



TECHNICAL

Plumbers and plumbing merchants have come to rely on Cobra for its extensive range of plumbing hardware. These include; compression fittings, capillary fittings, wastes and traps, flush valves and pressure control valves. Cobra also supplies a range of single layer (SLP) and multi-layer (MLP) pipe systems that offer cost-effective alternatives to traditional pipe installation and joining methods. These products are manufactured locally and meet exacting quality and performance standards that comply with both Cobra s internal quality specifications as well as internationally respected and independent quality assurance standards, including SABS and ISO 9001.

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Demand Taps
Metering Taps
Float Valves
Heat Pumps
Medical Elbow Action
Standard Brass
Tank Locking Cock
Thermostatic Mixers





Capillary Pipe Fittings

Capillary Pipe Fittings





D603M-15 - STRAIGHT COUPLER

Straight coupler. 15mm capillary copper to ½ BSP female iron connection end. SANS 1067-2.

Features and Benefits

Suitable for use with Class 0 hard drawn copper tube.

Extensive range of configurations.

Cobra capillary fittings provide versatility, efficiency and jointing speed.

Manufactured from corrosion resistant DZR brass.

Other D603M Configurations

Straight coupler. 22mm capillary copper to 3/4" BSP female iron connection end. SANS 1067-2.

D604M-15 - STRAIGHT COUPLER

Straight coupler. 15mm capillary copper to ½ BSP male iron connection end. SANS 1067-2.

Features and Benefits

Suitable for use with Class 0 hard drawn copper tube.

Extensive range of configurations.

Cobra capillary fittings provide versatility, efficiency and jointing speed.

Manufactured from corrosion resistant DZR brass.



Other D604M Configurations

D604M-22

Straight coupler. 22mm capillary copper to ¾ BSP male iron

connection end. SANS 1067-2. D604M-28

Straight coupler. 28mm capillary copper to 1" BSP male iron connection end. SANS 1067-2.

D604M-35

Straight coupler. 35mm capillary copper to 1 % BSP male iron

connection end. SANS 1067-2. D604M-42

Straight coupler. 42mm capillary copper to 1 $\ensuremath{\ensuremath{\%}}$ BSP male iron

connection end. SANS 1067-2.

D604M-54 Straight coupler. 54mm capillary copper to 2" BSP male iron

connection end. SANS 1067-2.

D604M-76

Straight coupler. 76mm capillary copper to 3" BSP male iron connection end. SANS 1067-2.

D604M-108

Straight coupler. 108mm capillary copper to 4" BSP male iron

connection end. SANS 1067-2.





Reducing straight coupler. 15mm capillary copper to ¾ BSP male iron connection end. SANS 1067-2.

Features and Benefits

Suitable for use with Class 0 hard drawn copper tube.

Extensive range of configurations.

Cobra capillary fittings provide versatility, efficiency and jointing speed.

Manufactured from corrosion resistant DZR brass.



Capillary Pipe Fittings



D707-3M-15 - ELBOW 90° COUPLER

Elbow 90° 15mm capillary copper to $\frac{1}{2}$ BSP female iron connection end. SANS 1067-2.

Features and Benefits

Suitable for use with Class 0 hard drawn copper tube.

Extensive range of configurations.

Cobra capillary fittings provide versatility, efficiency and jointing speed. Manufactured from corrosion resistant DZR brass.

Other D707-3M Configurations D707-3M-22

Straight coupler. 22mm capillary copper to ¾" BSP male iron connection end. SANS 1067-2.



D707-4M-15 - ELBOW 90° COUPLER

Elbow 90° 15mm capillary copper to $\frac{1}{2}$ BSP male iron connection end. SANS 1067-2.

Features and Benefits

Suitable for use with Class 0 hard drawn copper tube.

Extensive range of configurations.

Cobra capillary fittings provide versatility, efficiency and jointing speed.

Manufactured from corrosion resistant DZR brass.

Other D707-4M Configurations

D707-4M-22

Elbow 90° 22mm capillary copper to ¾" BSP male iron connection end. SANS 1067-2.



D707-3-5M-15 - WALLPLATE ELBOW 90°

Wallplate elbow 90°. 15mm capillary copper to ½" BSP female iron connection end. SANS 1067-2.

Features and Benefits

Suitable for use with Class 0 hard drawn copper tube.

Extensive range of configurations.

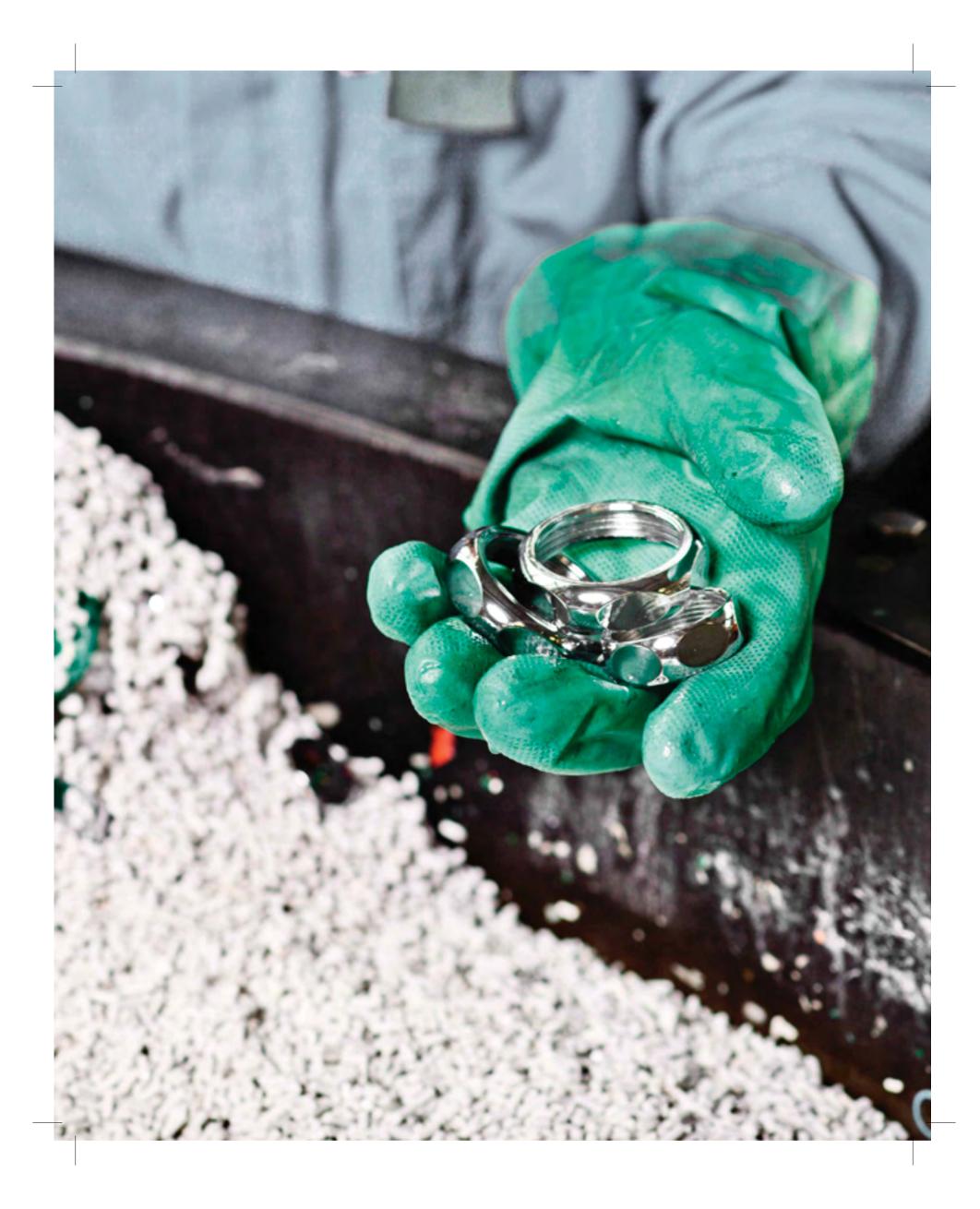
Cobra capillary fittings provide versatility, efficiency and jointing speed.

Manufactured from corrosion resistant DZR brass.

Other D707-3-5M Configurations

D707-3-5M-22

Wallplate elbow 90?. 22mm capillary copper to ¾" BSP female iron connection end. SANS 1067-2.





D-1RXS-22x15 - REDUCING COUPLER

Reducing straight coupler. 22mm x 15mm compression copper to copper connection ends. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings. Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression. Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations. Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard. Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 15mm D-65XS-15. Compression ring 22mm D-65XS-22. Cap nut 15mm 64XS-15. Cap nut 22mm 64XS-22.

Other D-1RXS Configurations

D-1RXS-28X22

Reducing straight coupler. 28mm x 22mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-28X22. Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.

D-1XL-15S/C - SLIP COUPLER

Slip coupler. 15mm compression copper to copper connection ends.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings. Enables quick repairs where pipes are rigidly mounted. No need to strip the system. Ideally suited for emergency repairs. Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression. ${\it Carefully controlled compression ring shore hardness for best sealing action.}$ Extensive range of configurations. Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard. Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled. Should you require replacement components, even after many years,

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-1XL Configurations D-1XL-22S/C

Slip coupler. 22mm compression copper to copper connection end. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 22mm D-65XS-22 Cap nut 22mm 64XS-22









D1XS-15 - STRAIGHT COUPLER

Straight coupler. 15mm compression copper to copper connection ends. SANS 1067-1

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system).

This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe,

Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component

of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe,

Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression. Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed.

Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15.

Other D-1XL Configurations

D-1XS-22

Straight coupler. 22mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15.

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22. D-1XS-28

Straight coupler. 28mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-28X22. Compression ring 28mm D-65XS-28.

Cap nut 22mm 64XS-22.

Straight coupler. 35mm compression copper to copper connection ends.

SANS 1067-1.

Spare Parts

Single step reducer D-68XS-35X28. Compression ring 35mm D-65XS-35.

Cap nut 35mm 64XS-35.

D-1XS-42

Straight coupler. 42 mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-42X35.

Compression ring 42mm D-65XS-42.

Cap nut 42mm 64XS-42.

Straight coupler. 54mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-54X42.

Compression ring 54mm D-65XS-54. Cap nut 54mm 64XS-54.





Reducing elbow 90°. 15mm compression copper to $\%\,$ BSP female iron connection ends. SANS 1067-1.



Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system).
This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe,

Cobra Safe pipe inserts and Cobra compression pipe fittings.
Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra

compression pipe fittings.
Suitable for use with Class 0 hard drawn copper tube.
Unique bevel angle to ensure greatest ring compression.
Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.







D-10XS-15 - ELBOW 90°

Elbow 90°. 15mm compression copper to ½" BSP female iron connection ends. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system).

This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe,

Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of

Cobra Safe SLP system (single layer pipe system).

This system comprises of Cobra Safe PE-Xa single layer pipe,

Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15.

Other D-10XS Configurations

D-10XS-22

Elbow 90°. 22mm compression copper to 3/4" BSP female iron

connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15.

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22. D-10XS-28

Elbow 90°. 28mm compression copper to 1" BSP female iron

connection ends. SANS 1067-1. Spare Parts

Single step reducer D-68XS-28X22.

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

D-10XS-35

Elbow 90°. 35mm compression copper to 1 1/4" BSP female iron

connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-35X28.

Compression ring 35mm D-65XS-35.

Cap nut 35mm 64XS-35.

D-10XS-42

Elbow 90°. 42mm compression copper to 1 ½" BSP female iron connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-42X35. Compression ring 42mm D-65XS-42.

Cap nut 42mm 64XS-42.

Elbow 90°. 54mm compression copper to 2" BSP female iron

connection ends. SANS 1067-1.

Single step reducer D-68XS-54X42.

Compression ring 54mm D-65XS-54.

Cap nut 54mm 64XS-54.





D-12XS-15 - EQUAL TEE

Equal Tee. 15mm compression copper to copper connection ends. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of

Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of

Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15.

Other D-12XS Configurations

D-12XS-22

Equal Tee. 22mm compression copper to copper connection ends.

SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15.

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22. D-12XS-28

Equal Tee. 28mm compression copper to copper connection ends.

SANS 1067-1.

Spare Parts

Single step reducer D-68XS-28X22.

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

Equal Tee. 35mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-35X28. Compression ring 35mm D-65XS-35.

Cap nut 35mm 64XS-35.

D-12XS-42

Equal Tee. 42mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-42X35.

Compression ring 42mm D-65XS-42.

Cap nut 42mm 64XS-42.

Equal Tee. 54mm compression copper to copper connection ends.

SANS 1067-1.

Spare Parts

Single step reducer D-68XS-54X42.

Compression ring 54mm D-65XS-54.

Cap nut 54mm 64XS-54.



D-15XS-15 - TEE



Copper to copper to male iron Tee. 15mm compression copper to copper connection ends on run, ½" BSP male iron branch. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-15XS Configurations

D-15XS-22

Copper to copper to male iron Tee. 22mm compression copper to copper connection ends on run, 3/4" BSP male iron branch. SANS 1067-1.

Single step reducer D-68XS-22X15. Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.

D-17RXS22X1/2 - REDUCING TEE



Copper to copper to female iron reducing Tee. 22mm compression copper to copper connection ends on run, 1/2 "BSP female iron branch.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings. Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression. Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations. Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and

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Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.





D-17XS-15 - TEE

Copper to copper to female iron Tee. 15mm compression copper to copper connection ends on run, ½" BSP female iron branch. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings. Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression. Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations. Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard. Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-17XS Configurations

D-17XS-22

Copper to copper to female iron Tee. 22mm compression copper to copper connection ends on run,

34" BSP female iron branch. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.

D-2RXS-3/4X15 - REDUCING COUPLER



Reducing straight coupler 15mm compression copper to % " BSP male iron connection ends. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings. Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression. Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations. Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard. Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. **Spare Parts**

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-2RXS Configurations D-2RXS-1X22

Reducing straight coupler 22mm compression copper to 2" BSP male iron connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.



D-2XS-15 - STRAIGHT MALE COUPLER





Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings. Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression. Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations. Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered

connections can pose a hazard. Cobra compression fittings provide versatility, efficiency and jointing speed.

Pipe work can be dismantled and re-assembled. Should you require replacement components, even after many years, you are

assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-2RXS Configurations

D-2XS-22

Straight coupler 22mm compression copper to $\mbox{\em 34}"$ BSP male iron connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15. $Compression\ ring\ 22mm\ D\text{-}65XS\text{-}22.$ Cap nut 22mm 64XS-22.

Straight coupler 28mm compression copper to 1" BSP male iron connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-28X22. Compression ring 28mm D-65XS-28. Cap nut 28mm 64XS-28.

D-2XS-35

Straight coupler 35mm compression copper to 1 %" BSP male iron

connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-35X28. Compression ring 35mm D-65XS-35. Cap nut 35mm 64XS-35.

D-2XS-42

Straight coupler 42mm compression copper to 1 $\frac{1}{2}$ " BSP male iron connection ends. SANS 1067-1.

Single step reducer D-68XS-42X35. Compression ring 42mm D-65XS-42. Cap nut 42mm 64XS-42.

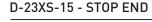
D-2XS-54

Straight coupler 54mm compression copper to 2" BSP male iron connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-54X42. Compression ring 54mm D-65XS-54. Cap nut 54mm 64XS-54.







Stop end 15mm compression copper to copper. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered

connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed.

Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15.

Other D-2RXS Configurations

D-23XS-22

Stop end 22mm compression copper to copper. SANS 1067-1.

Spare Parts

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22.

D-23XS-28

Stop end 28mm compression copper to copper. SANS 1067-1.

Spare Parts

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.





D-268XS-28X15 MULTI STEP REDUCER

Multi step reducer 28mm pipe diameter to 15mm compression copper. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-2RXS Configurations

D-268XS-35X22

Multi step reducer 35mm pipe diameter to 22mm compression copper. SANS 1067-1.

Spare Parts

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22.

D-268XS-42X22

Multi step reducer 42mm pipe diameter to 22mm compression copper. SANS 1067-1.

Spare Parts

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22.

D-268XS-42X28

Description: Multi step reducer 42mm pipe diameter to 28mm

compression copper. SANS 1067-1. Spare Parts

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

D-268XS-54X22

Multi step reducer 54mm pipe diameter to 22mm compression copper. SANS 1067-1.

Spare Parts

Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.

D-268XS-54X28 Multi step reducer 54mm pipe diameter to 28mm compression copper.

SANS 1067-1.

Spare Parts Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

D-268XS-54X35

Multi step reducer 54mm pipe diameter to 35mm compression copper.

SANS 1067-1.

Compression ring 35mm D-65XS-35.

Cap nut 35mm 64XS-35.





D-279XS-15X22 - REDUCING TEE

Copper to copper reducing Tee. 15mm compression copper to copper connection ends on run, 22mm compression copper connection end on branch. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Compression ring 22mm D-65XS-22.

Cap nut 15mm 64XS-15.

Cap nut 22mm 64XS-22.

Other D-279XS Configurations

D-279XS-22X28.

Copper to copper reducing Tee. 22mm compression copper to copper connection ends on run, 28mm compression copper connection end on branch. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15.

Single step reducer D-68XS-28X22. Compression ring 15mm D-65XS-15.

Compression ring 22mm D-65XS-22.

Compression ring 28mm D-65XS-28.

Cap nut 15mm 64XS-15.

Cap nut 22mm 64XS-22.

Cap nut 28mm 64XS-28.





D-280XS-22X15 - REDUCING TEE

Copper to copper reducing Tee. 15mm compression copper to 22mm compression copper connection ends on run, 15mm compression copper connection end on branch. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Compression ring 22mm D-65XS-22. Cap nut 15mm 64XS-15. Cap nut 22mm 64XS-22.





Wallplate tee. 15mm compression copper to copper connection ends on run,

1/2" BSP female iron connection end on branch. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra

compression pipe fittings. Stabilises pipework with wall anchoring fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

the continued operation of your Cobra fittings Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15.





D-3RXS-3/4X15 - REDUCING COUPLER

Reducing straight coupler. 15mm compression copper to % " BSP female Iron connection end. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.





D-3XS-15 - STRAIGHT COUPLER

Straight coupler. 15mm compression copper to ½" BSP female iron connection end. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe $\operatorname{\mathsf{MLP}}$ system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action.

Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15. Other D-3XS Configurations

D-3XS-22

Straight coupler. 22mm compression copper to $\mbox{\em 34}"$ BSP female iron

connection end. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15.

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22.

Straight coupler. 28mm compression copper to 1" BSP female iron

connection end. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-28X22.

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

D-3XS-35

Straight coupler. 35mm compression copper to 1 $\frac{1}{4}$ " BSP female iron

connection end. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-35X28.

Compression ring 35mm D-65XS-35. Cap nut 35mm 64XS-35.

D-3XS-42

Straight coupler. 42mm compression copper to 1 $1\!\!\!/ \!\!\! 2$ " BSP female iron

connection end. SANS 1067-1.

Single step reducer D-68XS-42X35.

Compression ring 42mm D-65XS-42. Cap nut 42mm 64XS-42.

D-3XS-54

Straight coupler. 54mm compression copper to 2" BSP female iron

connection end. SANS 1067-1. Spare Parts

Single step reducer D-68XS-54X42.

Compression ring 54mm D-65XS-54.

Cap nut 54mm 64XS-54.





D-33XS-15 - WALLPLATE ELBOW 90°

Wallplate elbow 90°. 15mm compression copper to ½ BSP female iron connection end. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-33XS Configurations

D-33XS-22

Wallplate elbow 90°. 22mm compression copper to ¾ BSP female iron

connection end. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22.

D-37XS-15 - SWIVEL ELBOW 90°



Swivel elbow 90°. 15mm compression copper to ½" BSP female iron connection end. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed.

Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.







Reducing elbow 90°. 22mm compression copper to 15mm compression copper iron connection ends. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe $\operatorname{\mathsf{MLP}}$ system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Single step reducer D-68XS-22X15. Compression ring 15mm D-65XS-15. Compression ring 22mm D-65XS-22. Cap nut 15mm 64XS-15. Cap nut 22mm 64XS-22.





D-4XS-15 - ELBOW 90°

Elbow 90°. 15mm compression copper to copper connection ends. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Carefully controlled compression ring shore hardness for best sealing action. Extensive range of configurations.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered $% \left(1\right) =\left(1\right) \left(1\right) \left$ connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression ring 15mm D-65XS-15.

Cap nut 15mm 64XS-15.

Other D-4XS Configurations

D-4XS-22

Elbow 90°. 22mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-22X15.

Compression ring 22mm D-65XS-22. Cap nut 22mm 64XS-22.

D-4XS-28

Elbow 90°. 28mm compression copper to copper connection ends.

SANS 1067-1.

Spare Parts

Single step reducer D-68XS-28X22.

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

Elbow 90°. 35mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-35X28.

Compression ring 35mm D-65XS-35. Cap nut 35mm 64XS-35.

D-4XS-42

Description: Elbow 90°. 42mm compression copper to copper

connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-42X35.

Compression ring 42mm D-65XS-42.

Cap nut 42mm 64XS-42.

Elbow 90°. 54mm compression copper to copper connection ends. SANS 1067-1.

Spare Parts

Single step reducer D-68XS-54X42.

Compression ring 54mm D-65XS-54.

Cap nut 54mm 64XS-54.



D-62XS-15 - Holderbat

Brass holderbat for 15mm pipe.

Features and Benefits



Cobra compression pipe fitting are also a component of Cobra Safe $\operatorname{\mathsf{MLP}}$ system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

SANS 10400 National Building Regulations Act requires the use of pipe holders.

SANS 10252 part 2 table 20 and 21 Water Supply and Drainage requires the use of pipe holders.

Manufactured from corrosion resistant DZR brass.

Other 62XS Configurations

Brass holderbat for 22mm pipe.

D-64XS-15 - CAPNUT



Capnut for 15mm compression fittings. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe $\operatorname{\mathsf{MLP}}$ system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Other 64XS Configurations

64XS-22

Cap nut for 22mm compression fittings. SANS 1067-1.

64XS-28

Cap nut for 28mm compression fittings. SANS 1067-1.

Cap nut for 35mm compression fittings. SANS 1067-1.

64XS-42

Cap nut for 42mm compression fittings. SANS 1067-1.

Cap nut for 54mm compression fittings. SANS 1067-1.





D-65XS-15 - COMPRESSION RING

Compression ring for 15mm compression fittings. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube.

Unique bevel angle to ensure greatest ring compression.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed.

Pipe work can be dismantled and re-assembled. Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Other 64XS Configurations

D-65XS-22

 $Compression\ ring\ for\ 22mm\ compression\ fittings.\ SANS\ 1067-1.$

D-65XS-28

Compression ring for 28mm compression fittings. SANS 1067-1.

Compression ring for 35mm compression fittings. SANS 1067-1.

D-65XS-42

Compression ring for 42mm compression fittings. SANS 1067-1.

Compression ring for 54mm compression fittings. SANS 1067-1.



D-68XS-22X15 - REDUCER



Single step reducer for adapting a compression fitting configuration. For reducing a 22mm compression fitting end to a 15mm compression fitting end. SANS 1067-1.

Features and Benefits

Cobra compression pipe fitting are also a component of Cobra Safe MLP system (multi layer pipe system). This system comprises of Cobra Safe PE-Xb Al PE-Xb multi layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings

Cobra compression pipe fitting are also a component of Cobra Safe SLP system (single layer pipe system). This system comprises of Cobra Safe PE-Xa single layer pipe, Cobra Safe PPSU pipe inserts and Cobra compression pipe fittings.

Suitable for use with Class 0 hard drawn copper tube. Unique bevel angle to ensure greatest ring compression.

Metal to metal mechanical coupling makes the joint both permanent and suitable for applications where the heat and open flames of soldered $% \left(1\right) =\left(1\right) \left(1\right) \left$ connections can pose a hazard.

Cobra compression fittings provide versatility, efficiency and jointing speed. Pipe work can be dismantled and re-assembled.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Compression ring 15mm D-65XS-15. Cap nut 15mm 64XS-15.

Other D-68XS Configurations

D-68XS-28X22

Single step reducer for adapting a compression fitting configuration. For reducing a 28mm compression fitting end to a 22mm compression fitting end. SANS 1067-1.

Spare Parts

Compression ring 22mm D-65XS-22.

Cap nut 22mm 64XS-22.

D-68XS-35X28

Single step reducer for adapting a compression fitting configuration. For reducing a 35mm compression fitting end to a 28mm compression fitting end. SANS 1067-1.

Spare Parts

Compression ring 28mm D-65XS-28.

Cap nut 28mm 64XS-28.

D-68XS-42X35

Single step reducer for adapting a compression fitting configuration. For reducing a 42mm compression fitting end to a 35mm compression fitting end. SANS 1067-1.

Spare Parts

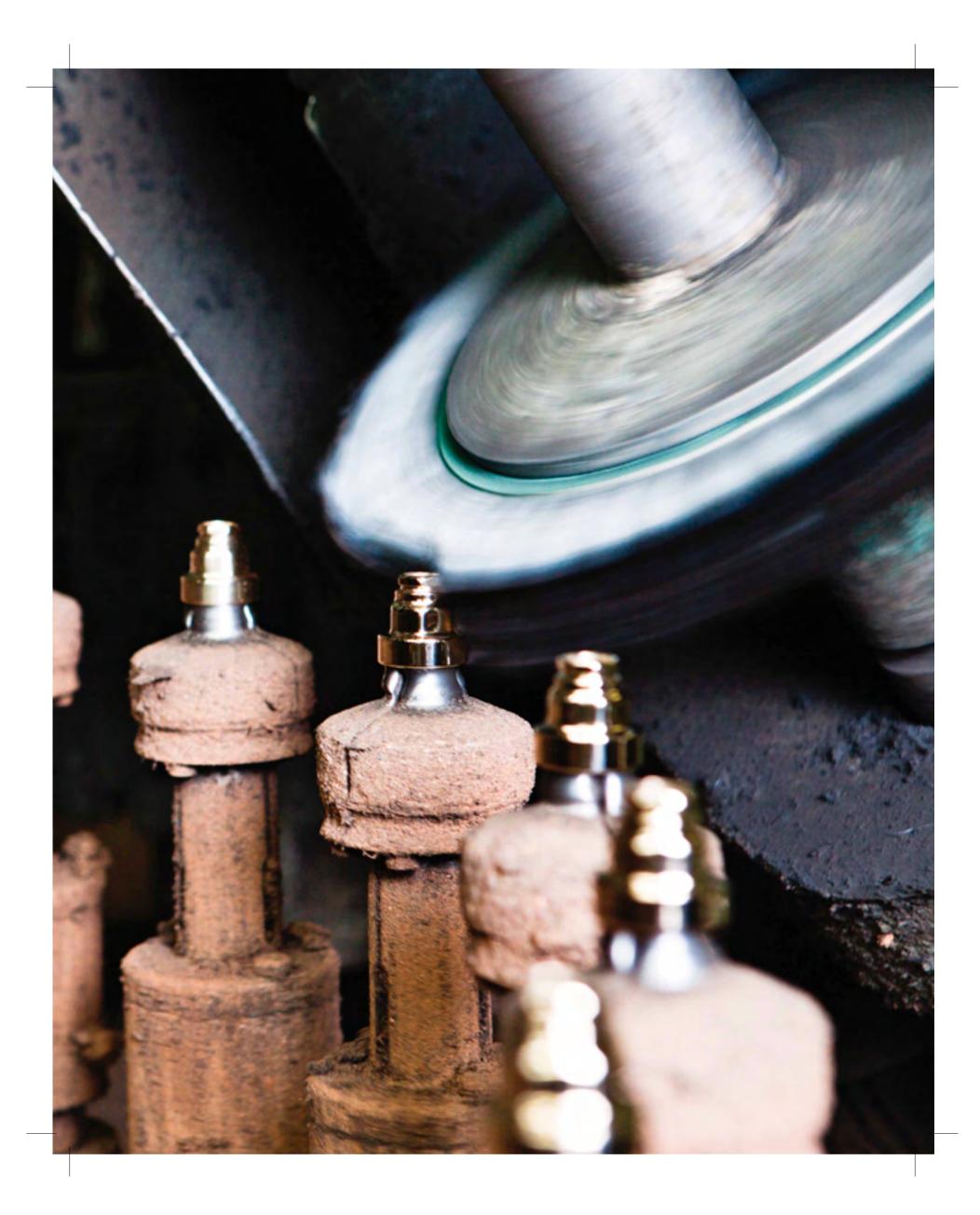
Compression ring 35mm D-65XS-35.

Cap nut 35mm 64XS-35.

Single step reducer for adapting a compression fitting configuration. For reducing a 54mm compression fitting end to a 42mm compression fitting end. SANS 1067-1.

Compression ring 42mm D-65XS-42.

Cap nut 42mm 64XS-42.







1001/125-15 - GATE VALVE

'Fullway' heavy duty gate valve. $\frac{1}{2}$ "BSP female iron connection ends. SANS 776.

Features and Benefits

Unrestricted bore through the valve for optimal flow.

Non blow out spindle for safety.

Non asbestos gland packing .

Guided wedge.

Factory tested to 2,400kPa.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Handwheel for gate valve C-GV-HW-1/2

Notes Pressure rating PN 16

Non rising spindle

Parallel threads

For use as an isolating valve

Other 1001/125 configurations 1001/125-20

'Fullway' heavy duty gate valve. %" BSP female iron connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-3/4

1001/125-25

'Fullway' heavy duty gate valve. 1" BSP female iron connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-1

'Fullway' heavy duty gate valve. 1 ¼" BSP female iron connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-1-1/4

'Fullway' heavy duty gate valve. 1 ½" BSP female iron connection ends. SANS 776.

Spare Parts

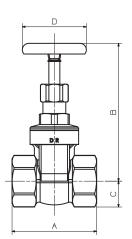
Handwheel for gate valve C-GV-HW-1-1/4

1001/125-50

'Fullway' heavy duty gate valve. 2"BSP female iron connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-2





1002/125-15 - GATE VALVE

 $\hbox{`Fullway' light duty gate valve. For a gricultural and industrial use.}\\$ ½" BSP female iron connection ends.

Features and Benefits

Unrestricted bore through the valve for optimal flow.

Non blow out spindle for safety.

Non asbestos gland packing.

Guided wedge.

Factory tested to 2,400kPa.

Spare Parts

Handwheel for gate valve C-GV-HW-1/2

Notes

Pressure rating PN 16

Non rising spindle

Parallel threads

For use as an isolating valve in agricultural and industrial installations.

Other 1002/125 configurations

1002/125-20

'Fullway' light duty gate valve. ¾" BSP female iron connection ends.

Spare Parts

Handwheel for gate valve C-GV-HW-1/2

1002/125-25

'Fullway' light duty gate valve. 1" BSP female iron connection ends.

Spare Parts
Handwheel for gate valve C-GV-HW-3/4

1002/125-32

'Fullway' light duty gate valve. 1 $\frac{1}{4}$ " BSP female iron connection ends.

Spare Parts

Handwheel for gate valve C-GV-HW-1-1/4

1002/125-40

'Fullway' light duty gate valve. 1 $\frac{1}{2}$ " BSP female iron connection ends.

Spare Parts

Handwheel for gate valve C-GV-HW-1-1/4

1002/125-50

'Fullway' light duty gate valve. 2" BSP female iron connection ends.

Spare Parts

Handwheel for gate valve C-GV-HW-2

1002/125-65

'Fullway' light duty gate valve. 2 $\frac{1}{2}$ " BSP female iron connection ends.

Spare Parts

Handwheel for gate valve C-GV-HW-2-1/2

1002/125-80

'Fullway' light duty gate valve. 3" BSP female iron connection ends.

Spare Parts

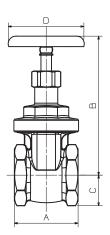
Handwheel for gate valve C-GV-HW-3

1002/125-100

'Fullway' light duty gate valve. 4" BSP female iron connection ends.

Spare Parts

Handwheel for gate valve C-GV-HW-4







1003/125-15 - GATE VALVE

'Fullway' heavy duty gate valve. 15mm compression copper to copper connection ends. SANS 776.

Features and Benefits

Unrestricted bore through the valve for optimal flow.

Non blow out spindle for safety.

Non asbestos gland packing.

Guided wedge.

Factory tested to 2,400kPa.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Handwheel for gate valve C-GV-HW-1/2 Compression ring 15mm D-65XS-15 Cap nut 15mm 64XS-15

Straight coupler D-2XS-15

Notes

Pressure rating PN 16

Non rising spindle

Parallel threads

For use as an isolating valve

Other 1003/125 configurations

'Fullway' heavy duty gate valve. 22mm compression copper to copper connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-3/4

Single step reducer D-68XS-22X15 Compression ring 22mm D-65XS-22

Cap nut 22mm 64XS-22

Straight coupler D-2XS-22

1003/125-28

'Fullway' heavy duty gate valve. 28mm compression copper to copper

connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-1

Single step reducer D-68XS-28X22 Compression ring 28mm D-65XS-28

Cap nut 28mm 64XS-28

Straight coupler D-2XS-28

1003/125-35

'Fullway' heavy duty gate valve. 35mm compression copper to copper connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-1-1/4

Single step reducer D-68XS-35X28 Compression ring 35mm D-65XS-35

Cap nut 35mm 64XS-35

Straight coupler D-2XS-35

1003/125-42

'Fullway' heavy duty gate valve. 42mm compression copper to copper

connection ends. SANS 776.

Spare Parts

Handwheel for gate valve C-GV-HW-1-1/4

Single step reducer D-68XS-42X35 Compression ring 42mm D-65XS-42

Cap nut 42mm 64XS-42

Straight coupler D-2XS-42

1003/125-54

'Fullway' heavy duty gate valve. 54mm compression copper to copper connection ends. SANS 776.

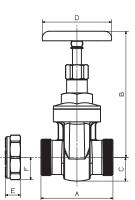
Spare Parts

Handwheel for gate valve C-GV-HW-2

Single step reducer D-68XS-54X42 Compression ring 54mm D-65XS-54

Cap nut 54mm 64XS-54

Straight coupler D-2XS-54



In-Line Strainer

In-Line Strainer





1050-15 - IN-LINE STRAINER

In-line strainer with stainless steel double mesh strainer basket. %" BSP female connection ends. SANS 1808-58.

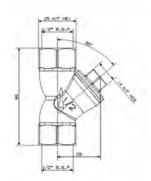
Features and Benefits

With double 316 grade stainless steel strainers.

Course grid strainer/support screen supports fine mesh strainer to prevent collapse.

Filter mesh may be cleaned without removing the strainer from the pipeline.

Suitable for hydraulic working pressures up to 2,000kPa (non-shock). Manufactured from corrosion resistant DZR brass. Tested to 2,000kPa.



1050-20 - IN-LINE STRAINER

In-line strainer with stainless steel double mesh strainer basket. % " BSP female connection ends. SANS 1808-58.

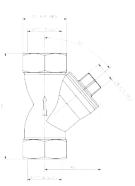
Features and Benefits

With double 316 grade stainless steel strainers.

Course grid strainer/support screen supports fine mesh strainer to prevent collapse.

Filter mesh may be cleaned without removing the strainer from the pipeline.

Suitable for hydraulic working pressures up to 2,000kPa (non-shock). Manufactured from corrosion resistant DZR brass. Tested to 2,000kPa.



1050-25 - IN-LINE STRAINER

In-line strainer with stainless steel double mesh strainer basket.

1" BSP female connection ends. SANS 1808-58. **Features and Benefits**

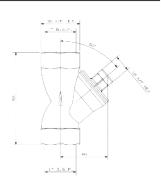
With double 316 grade stainless steel strainers.

Course grid strainer/support screen supports fine mesh strainer to prevent collapse.

Filter mesh may be cleaned without removing the strainer from

the pipeline.

Suitable for hydraulic working pressures up to 2,000kPa (non-shock). Manufactured from corrosion resistant DZR brass. Tested to 2,000kPa.



Isolating Ball Valves

1030-15 - BALL VALVE

Mini ball valve. $\frac{1}{2}$ " BSP male x $\frac{1}{2}$ " BSP female connection end.

1080-20 - BALL VALVE



'Fullway' isolating ball valve with plastic coated lever. $\mbox{\%}$ BSP female

connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional

unrestricted water flow.

Plastic coated steel lever.

Tested to 2,000kPa.

Manufactured from corrosion resistant DZR brass.

Suitable for domestic hot and cold water application.





1090-15 - BALL VALVE

'Fullway' isolating ball valve with plastic coated stainless steel lever. 1/2" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional unrestricted water flow.

Plastic coated stainless steel lever.

Stainless steel for exceptional corrosion resistance.

Tested to 2,000kPa.

Manufactured from corrosion resistant DZR brass. Chrome Plated.

Suitable for domestic hot and cold water application.

SABS

1090-20 - BALL VALVE

'Fullway' isolating ball valve with plastic coated stainless steel lever. 34" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional unrestricted water flow.

Plastic coated stainless steel lever.

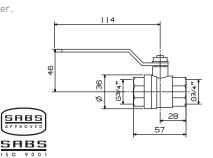
Stainless steel for exceptional corrosion resistance.

Tested to 2,000kPa.

Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Suitable for domestic hot and cold water application





1090-25 - BALL VALVE

'Fullway' isolating ball valve with plastic coated stainless steel lever.

1" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional

unrestricted water flow.

Plastic coated stainless steel lever.

Stainless steel for exceptional corrosion resistance.

Tested to 2,000kPa.

 ${\it Manufactured from corrosion resistant DZR brass.}$

Chrome Plated.

Suitable for domestic hot and cold water application.

1090-32 - BALL VALVE

'Fullway' isolating ball valve with plastic coated stainless steel lever. 1 1/4" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional

unrestricted water flow.

Plastic coated stainless steel lever.

Stainless steel for exceptional corrosion resistance.

Tested to 2,000kPa.

Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Suitable for domestic hot and cold water application.

1090-40 - BALL VALVE

'Fullway' isolating ball valve with plastic coated stainless steel

lever. 1 1/2" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional

unrestricted water flow.

Plastic coated stainless steel lever.

Stainless steel for exceptional corrosion resistance.

Tested to 2,000kPa.

Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Suitable for domestic hot and cold water application.

1090-50 - BALL VALVE

'Fullway' isolating ball valve with plastic coated stainless steel lever. 2" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional unrestricted water flow.

Plastic coated stainless steel lever.

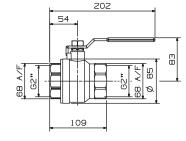
Stainless steel for exceptional corrosion resistance.

Tested to 2,000kPa.

Manufactured from corrosion resistant DZR brass

Chrome Plated.

Suitable for domestic hot and cold water application.



1090-80 - BALL-0-STOP (with plastic coated aluminium die cast lever)

'Fullway' isolating ball valve with plastic coated steel lever.

3" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional $% \left(1\right) =\left(1\right) \left(1\right) \left$

unrestricted water flow.

Plastic coated steel lever.

Tested to 2,000kPa.

 ${\tt Manufactured\ from\ corrosion\ resistant\ DZR\ brass}.$

Chrome Plated.

Suitable for domestic hot and cold water application.



1090-100 - BALL VALVE

'Fullway' isolating ball valve with plastic coated steel lever. 4" BSP female connection ends. SANS 1056-3.

Features and Benefits

Large aperture (full bore) through the valve ball for exceptional

unrestricted water flow.

Plastic coated steel lever. Tested to 2,000kPa.

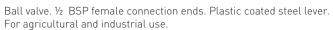
Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Suitable for domestic hot and cold water application.

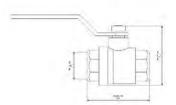


1096-15 - BALL VALVE



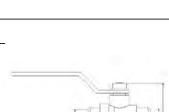
Features and Benefits

Plastic coated steel lever. Tested to 2,000kPa. Chrome Plated.



1096-20 - BALL VALVE







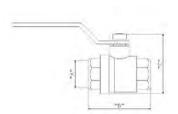


1096-25 - BALL VALVE

Ball valve. 1" BSP female connection ends. Plastic coated steel lever. For agricultural and industrial use.

Features and Benefits

Plastic coated steel lever. Tested to 2,000kPa. Chrome Plated.



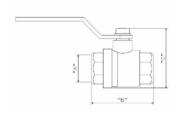


1096-32 - BALL VALVE

Ball valve. 1 %" BSP female connection ends. Plastic coated steel lever. For agricultural and industrial use.

Features and Benefits

Plastic coated steel lever. Tested to 2,000kPa. Chrome Plated.



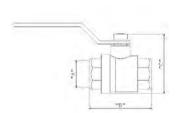


1096-40 - BALL VALVE

Ball valve. 1 ½" BSP female connection ends. Plastic coated steel lever. For agricultural and industrial use.

Features and Benefits Plastic coated steel lever.

Tested to 2,000kPa.
Chrome Plated.

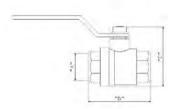


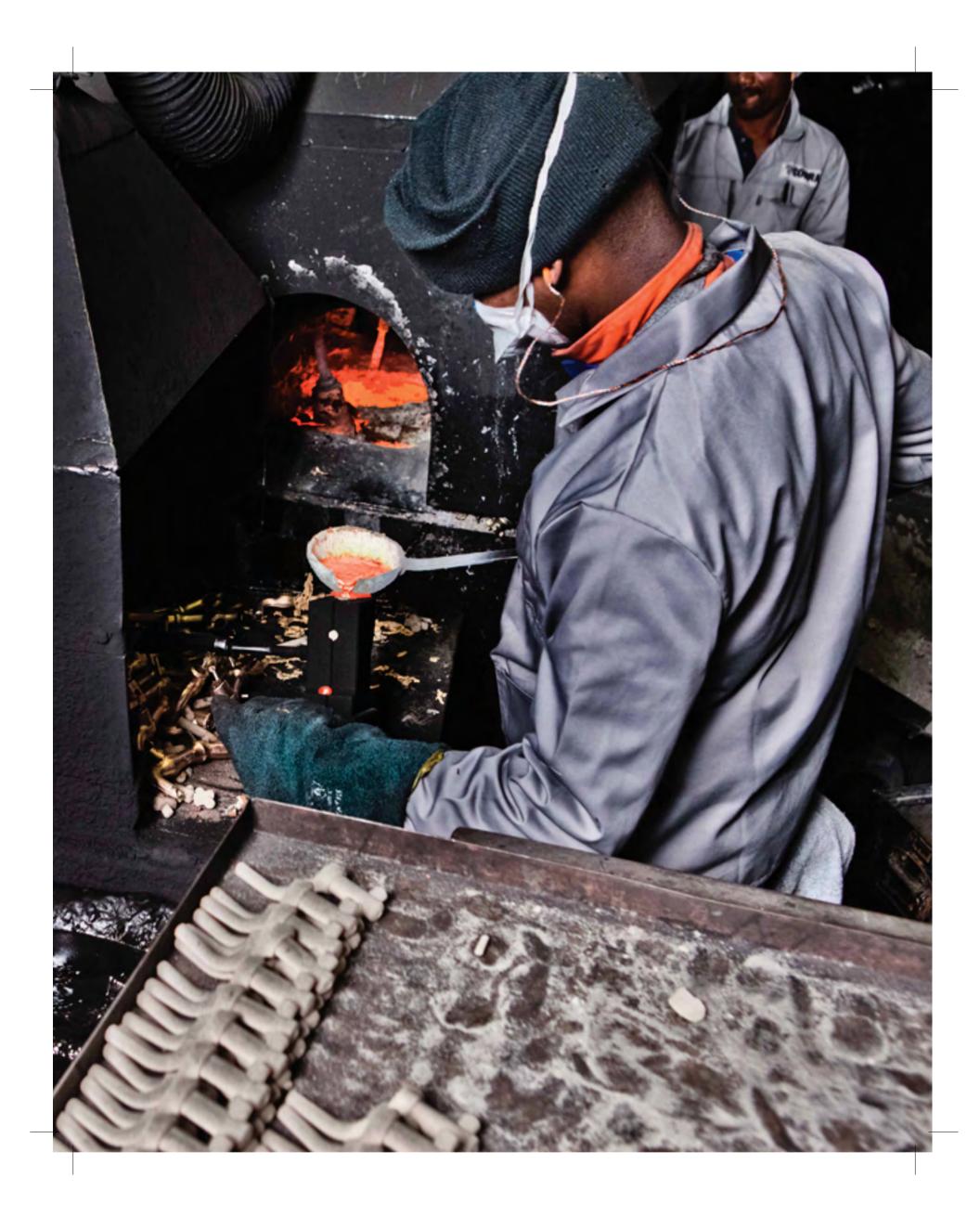


1096-50 - BALL VALVE

Ball valve. 2" BSP female connection ends.
Plastic coated steel lever. For agricultural and industrial use.
Features and Benefits

Plastic coated steel lever. Tested to 2,000kPa. Chrome Plated.









MLP-15X100 - MULTI LAYER PIPE

15mm PE-Xb Al PE-Xb multi layer pipe x 100mtr roll. SANS 21003. Notes

Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. MLP pipe is not designed to be used outside buildings.

MLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

The coefficient of thermal conduction of your MLP is 0.43 W/m/k.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe. Chlorine and scale resistant. Savings generated as the system requires fewer fittings due to longer continuous pipe length and ability of MLP to hold tight bends. Flexible and lightweight, therefore facilitating ease of installation. Butt welded aluminium layer in pipe for strength and smooth joint line. The pipe aluminium layer retains rigidity at high temperatures thus maintaining the integrity of the system. The pipe aluminium layer is protected from corrosion by unique '0' ring seal inserts.

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 15mm D-65XS-15. For compression fittings: Cap nut 15mm 64XS-15. Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P. Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK. Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.





MLP-15X50 - MULTI LAYER PIPE

15mm PE-Xb Al PE-Xb multi layer pipe x 50mtr roll. SANS 21003. **Notes**

NotesCobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings.
Each component of the system has been specifically designed to work in

conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

MLP pipe is not designed to be used outside buildings.

MLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

The coefficient of thermal conduction of your MLP is 0.43 W/m/k.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe. Chlorine and scale resistant. Savings generated as the system requires fewer fittings due to longer continuous pipe length and ability of MLP to hold tight bends. Flexible and lightweight, therefore facilitating ease of installation. Butt welded aluminium layer in pipe for strength and smooth joint line. The pipe aluminium layer retains rigidity at high temperatures thus maintaining the integrity of the system. The pipe aluminium layer is protected from corrosion by unique 'O' ring seal inserts.

Other Components

For full list of Cobra compression fittings see catalogue.
For compression fittings: Single step reducer D-68XS-22X15.
For compression fittings: Compression ring 15mm D-65XS-15.
For compression fittings: Cap nut 15mm 64XS-15.
Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P.
Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK.
Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.





MLP-22X100 - MULTI LAYER PIPE

22mm PE-Xb Al PE-Xb multi layer pipe x 100mtr roll. SANS 21003.

Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. MLP pipe is not designed to be used outside buildings. MLP pipe is not designed to be used on solar installations upstream of a

tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light. The coefficient of thermal conduction of your MLP is 0.43 W/m/k.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe. Chlorine and scale resistant. Savings generated as the system requires fewer fittings due to longer continuous pipe length and ability of MLP to hold tight bends. Flexible and lightweight, therefore facilitating ease of installation. Butt welded aluminium layer in pipe for strength and smooth joint line. The pipe aluminium layer retains rigidity at high temperatures thus maintaining the integrity of the system. The pipe aluminium layer is protected from corrosion by unique '0' ring seal inserts.

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 22mm D-65XS-22. For compression fittings: Cap nut 22mm 64XS-22. Cobra Safe 22mm inserts in pre-pack format (25 pieces) MLP-INS-22P. Cobra Safe 22mm inserts in bulk pack format (200 pieces) MLP-INS-22BLK. Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.





MLP-22X50 - MULTI LAYER PIPE

22mm PE-Xb Al PE-Xb multi layer pipe x 50mtr roll. SANS 21003.

Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

MLP pipe is not designed to be used outside buildings.

MLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

The coefficient of thermal conduction of your MLP is 0.43 W/m/k.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats.

Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe. Chlorine and scale resistant. Savings generated as the system requires fewer fittings due to longer continuous pipe length and ability of MLP to hold tight bends. Flexible and lightweight, therefore facilitating ease of installation. Butt welded aluminium layer in pipe for strength and smooth joint line. The pipe aluminium layer retains rigidity at high temperatures thus maintaining the integrity of the system. The pipe aluminium layer is protected from corrosion by unique '0' ring seal inserts.

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 22mm D-65XS-22. For compression fittings: Cap nut 22mm 64XS-22.

Cobra Safe 22mm inserts in pre-pack format (25 pieces) MLP-INS-22P. Cobra Safe 22mm inserts in bulk pack format (200 pieces) MLP-INS-22BLK. Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.





MLP-28X50 - MULTI LAYER PIPE

28mm PE-Xb Al PE-Xb multi layer pipe x 50mtr roll. SANS 21003.

Notes

Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. MLP pipe is not designed to be used outside buildings.

MLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light. The coefficient of thermal conduction of your MLP is 0.43~W/m/k.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss Has the strength of copper tube with the corrosion resistance of polymer pipe Chlorine and scale resistant.

Savings generated as the system requires fewer fittings due to longer continuous pipe length and ability of MLP to hold tight bends. Flexible and lightweight, therefore facilitating ease of installation. Butt welded aluminium layer in pipe for strength and smooth joint line. The pipe aluminium layer retains rigidity at high temperatures thus maintaining the integrity of the system.

The pipe aluminium layer is protected from corrosion by unique '0' ring seal inserts.

Other Components

For full list of Cobra compression fittings see catalogue.
For compression fittings: Single step reducer D-68XS-28X22
For compression fittings: Compression ring 28mm D-65XS-28.
For compression fittings: Cap nut 28mm 64XS-28.
Cobra Safe 28mm inserts in pre-pack format (25 pieces) MLP-INS-28P.
Cobra Safe 28mm inserts in bulk pack format (200 pieces) MLP-INS-28BLK.
Pipe cutting tool MLP-CUT.
Pipe preparation tool MLP-PREPTOOL.



MLP-INS-15P - COBRA SAFE INSERTS

25 Inserts and seals for 15mm Cobra-Safe single and multi layer pipe system in pre-pack format.

Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra

compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

The aluminium layer in multi layer pipe is protected from corrosion by unique 'O' ring seal on this insert.

MLP-INS-15BLK - COBRA SAFE INSERTS

200 Inserts and seals for 15mm Cobra-Safe single and multi layer pipe system in bulk pack format

Notes



Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

The aluminium layer in multi layer pipe is protected from corrosion by unique '0' ring seal on this insert.

MLP-INS-22P - COBRA SAFE INSERTS



25 Inserts and seals for 22mm Cobra-Safe single and multi layer pipe system in pre-pack format.

Notes

Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

The aluminium layer in multi layer pipe is protected from corrosion by unique 'O' ring seal on this insert.

MLP-INS-22BLK - COBRA SAFE INSERTS





Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra

compression fittings and Cobra Safe pipe inserts are used. Features and Benefits

Made from high specification PPSU polymer

The aluminium layer in multi layer pipe is protected from corrosion by unique '0' ring seal on this insert.



MLP-INS-28P - COBRA SAFE INSERTS

 $25\,\mathrm{Inserts}$ and seals for $28\mathrm{mm}$ Cobra-Safe single and multi layer pipe system in pre-pack format.

Notes



Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer

The aluminium layer in multi layer pipe is protected from corrosion by unique '0' ring seal on this insert.

MLP-INS-28BLK - COBRA SAFE INSERTS

 $200\ \mathrm{Inserts}$ and seals for $28\mathrm{mm}$ Cobra-Safe single and multi layer pipe system in bulk pack format.

Notes



Cobra Safe multi layer pipe system comprises of Cobra Safe multilayer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

The aluminium layer in multi layer pipe is protected from corrosion by unique '0' ring seal on this insert.

MLP-CUT - CUTTING TOOL

Cutting tool for Cobra Safe pipes.



MLP-PREPTOOL - PREPARATION TOOL

Pipe bore preparation tool for Cobra Safe multi layer pipes 15mm, 22mm and 28mm.





SLP-15X100 - SINGLE LAYER PIPE

15mm PE-Xa single layer pipe x 100mtr roll. SANS 15875.

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work

in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee. when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. SLP pipe is not designed to be used outside buildings. SLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats.

Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe. Chlorine and scale resistant. Flexible and lightweight, therefore facilitating ease of installation

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 15mm D-65XS-15. For compression fittings: Cap nut 15mm 64XS-15. Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P. Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK. Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.

SLP-15X50 - SINGLE LAYER PIPE

15mm PE-Xa single layer pipe x 50mtr roll. SANS 15875.

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

SLP pipe is not designed to be used outside buildings.

SLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance

of polymer pipe. Chlorine and scale resistant. Flexible and lightweight, therefore facilitating ease of installation.

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 15mm D-65XS-15. For compression fittings: Cap nut 15mm 64XS-15. Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P. Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK. Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.







SLP-22X100 - SINGLE LAYER PIPE

22mm PE-Xa single layer pipe x 100mtr roll. SANS 15875.

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. SLP pipe is not designed to be used outside buildings. SLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe. Chlorine and scale resistant. Flexible and lightweight, therefore facilitating

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 22mm D-65XS-22. For compression fittings: Cap nut 22mm 64XS-22. Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P. Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK. Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.

SLP-22X50 - SINGLE LAYER PIPE

22mm PE-Xa single layer pipe x 50mtr roll. SANS 15875.

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. SLP pipe is not designed to be used outside buildings. SLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value. No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe OD) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe Chlorine and scale resistant. Flexible and lightweight, therefore facilitating ease of installation.

Other Components

For full list of Cobra compression fittings see catalogue. For compression fittings: Single step reducer D-68XS-22X15. For compression fittings: Compression ring 22mm D-65XS-22. For compression fittings: Cap nut 22mm 64XS-22. Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P. Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK.

Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.





SLP-28X50 - SINGLE LAYER PIPE

28mm PE-Xa single layer pipe x 50mtr roll. SANS 15875.

Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used. SLP pipe is not designed to be used outside buildings. SLP pipe is not designed to be used on solar installations upstream of a tempering valve. Always lag polymer pipes when used on the outside of buildings to protect them from UV light.

Features and Benefits

Cost efficient and competitive when compared with traditional plumbing methods. Less susceptible to theft, no scrap metal value.

No special crimping tools required, therefore no issues with incorrectly used tools. Used with standard, readily available Cobra compression fittings. Fits securely into standard sized holder bats. Available in 15mm, 22mm and 28mm pipe size (copper pipe 0D) in 50 or 100mtr lengths for ease of transportation (28mm only in 50mtrs). Insulation properties reduce heat loss. Has the strength of copper tube with the corrosion resistance of polymer pipe Chlorine and scale resistant. Flexible and lightweight, therefore facilitating ease of installation.

Other Components

For full list of Cobra compression fittings see catalogue.
For compression fittings: Single step reducer D-68XS-28X22.
For compression fittings: Compression ring 28mm D-65XS-28.
For compression fittings: Cap nut 28mm 64XS-28.
Cobra Safe 15mm inserts in pre-pack format (25 pieces) MLP-INS-15P.
Cobra Safe 15mm inserts in bulk pack format (200 pieces) MLP-INS-15BLK.
Pipe cutting tool MLP-CUT. Pipe preparation tool MLP-PREPTOOL.

SLP-INS-15P - COBRA SAFE INSERTS

25 Inserts and seals for 15mm Cobra-Safe single and multi layer pipe system in pre-pack format.

Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

SLP-INS-15BLK - COBRA SAFE INSERTS

200 Inserts and seals for 15mm Cobra-Safe single and multi layer pipe system in bulk pack format.

Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.







SLP-INS-22P - COBRA SAFE INSERTS



25 Inserts and seals for 22mm Cobra-Safe single and multi layer pipe system in pre-pack format.

Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

SLP-INS-22BLK - COBRA SAFE INSERTS



200 Inserts and seals for 22mm Cobra-Safe single and multi layer pipe

system in bulk pack format. Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

SLP-INS-28P- COBRA SAFE INSERTS



25 Inserts and seals for 28mm Cobra-Safe single and multi layer pipe system in pre-pack format.

Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.

SLP-INS-28BLK- COBRA SAFE INSERTS



200 Inserts and seals for 28mm Cobra-Safe single and multi layer pipe system in bulk pack format.

Notes

Cobra Safe single layer pipe system comprises of Cobra Safe single layer pipe, Cobra Safe pipe inserts and Cobra compression pipe fittings. Each component of the system has been specifically designed to work in conjunction with each other in order to give a secure and permanent joint. This system is only covered by the Cobra warrantee when genuine Cobra compression fittings and Cobra Safe pipe inserts are used.

Features and Benefits

Made from high specification PPSU polymer.







Cutting tool for Cobra Safe pipes.

MLP-PREPTOOL - PREPARATION TOOL



Pipe bore preparation tool for Cobra Safe single layer pipes 15mm, 22mm and 28mm.

Spring Type Check Valves

Spring Type Check Valves







Spring type check valve. $\frac{1}{2}$ " BSP female connection ends. SANS 1808-10.

Features and Benefits

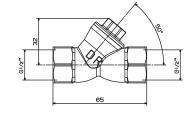
Manufactured from corrosion resistant DZR brass.

Tested to 2,000 kPa.

Note

Suitable for domestic hot and cold water application. Suitable for hydraulic working pressures up to 2,000 kPa (non-shock). Opening pressure: 10 kPa.

Tested to 2,000 kPa.



1025-20 - CHECK VALVE



Description: Spring type check valve. %" BSP female connection ends. SANS 1808-10.

Features and Benefits

Manufactured from corrosion resistant DZR brass.

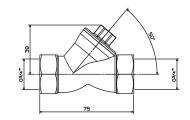
Tested to 2,000 kPa.

Note

Suitable for domestic hot and cold water application.

Suitable for hydraulic working pressures up to 2,000 kPa (non-shock). Opening pressure: 10 kPa.

Tested to 2,000 kPa.



1025-25 - CHECK VALVE



Spring type check valve. 1" BSP female connection ends.

Features and Benefits

 $\label{thm:manufactured} \mbox{Manufactured from corrosion resistant DZR brass}.$

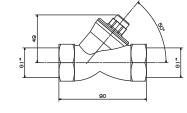
Tested to 2,000 kPa.

Note

Suitable for domestic hot and cold water application.

Suitable for hydraulic working pressures up to 2,000 kPa (non-shock).

Opening pressure: 10 kPa. Tested to 2,000 kPa.



1025-40 - CHECK VALVE



Spring type check valve. 1 ½" BSP female connection ends. SANS 1808-10.

Features and Benefits
Manufactured from cor

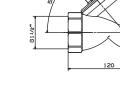
Manufactured from corrosion resistant DZR brass. Tested to $2,000\ kPa$.

Note

Suitable for domestic hot and cold water application.

Suitable for hydraulic working pressures up to 2,000 kPa (non-shock).

Opening pressure: 10 kPa. Tested to 2,000 kPa.





Spring Type Check Valves

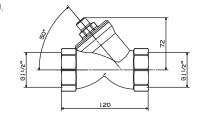


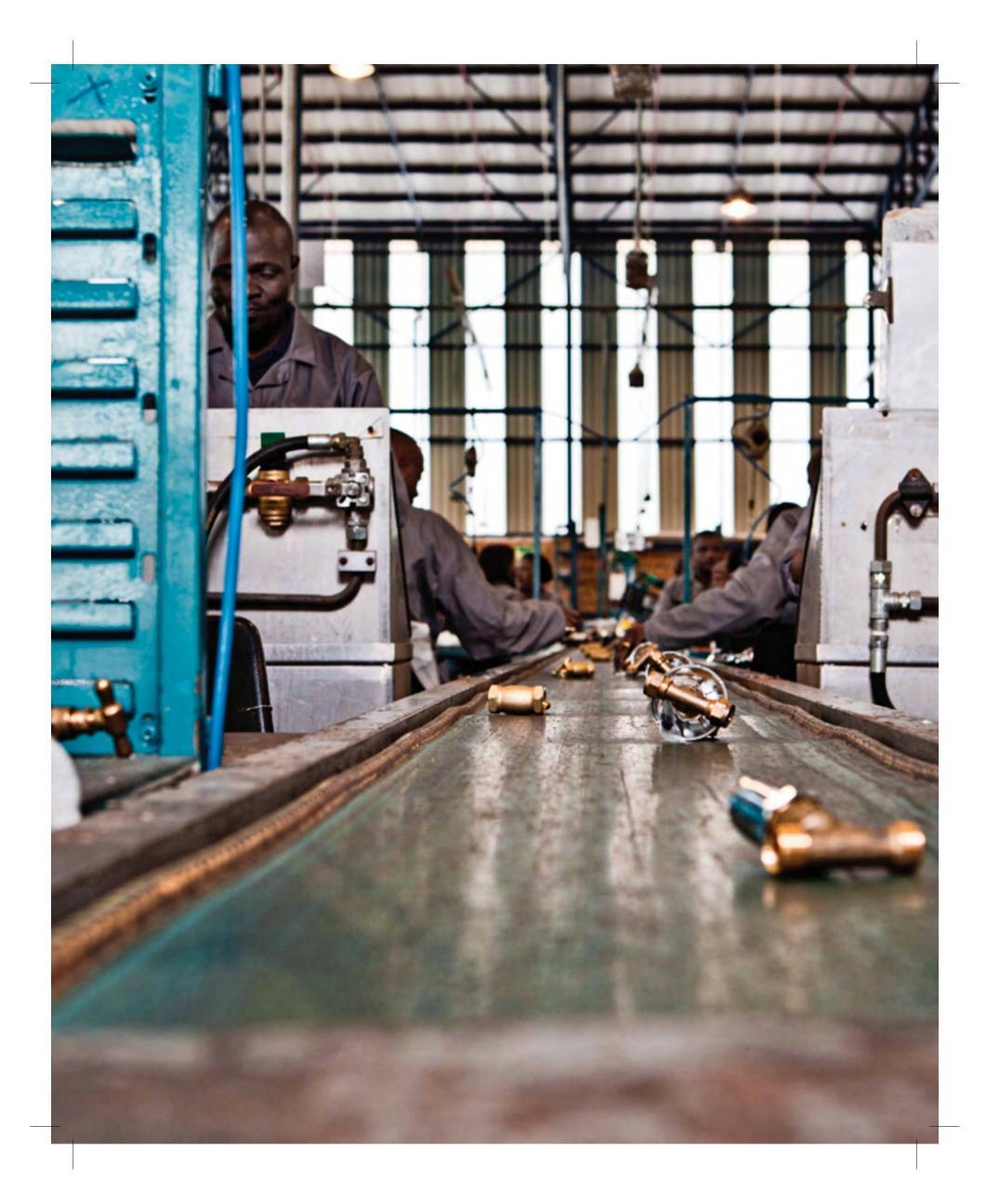
1025-40 - CHECK VALVE

Spring type check valve. 2" BSP female connection ends. SANS 1808-10. **Features and Benefits**Manufactured from corrosion resistant DZR brass.

Tested to 2,000 kPa.

Suitable for domestic hot and cold water application. Suitable for hydraulic working pressures up to 2,000 kPa (non-shock). Opening pressure: 10 kPa.
Tested to 2,000 kPa.





Swing Type Check Valves

Swing Type Check Valves

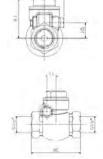




1022-15 - CHECK VALVE

Swing type check valve. ½ BSP female connection ends. For agricultural and industrial use on ascending lines. Features and Benefits

Manufactured from corrosion resistant DZR brass.

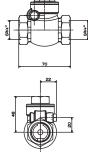




1022-20 - CHECK VALVE

Swing type check valve. ¾ BSP female connection ends. For agricultural and industrial use on ascending lines. Features and Benefits

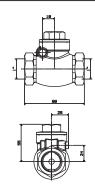
Manufactured from corrosion resistant DZR brass.





1022-25 - CHECK VALVE

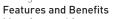
Swing type check valve. 1" BSP female connection ends. For agricultural and industrial use on ascending lines. Features and Benefits
Manufactured from corrosion resistant DZR brass.



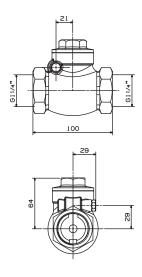


1022-32 - CHECK VALVE

Swing type check valve. 1 ¼" BSP female connection ends. For agricultural and industrial use on ascending lines.



Manufactured from corrosion resistant DZR brass.





Swing Type Check Valves



1022-40 - CHECK VALVE

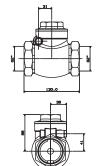
Swing type check valve. 1 $\frac{1}{2}$ BSP female connection ends. For agricultural and industrial use on ascending lines. **Features and Benefits** Manufactured from corrosion resistant DZR brass.

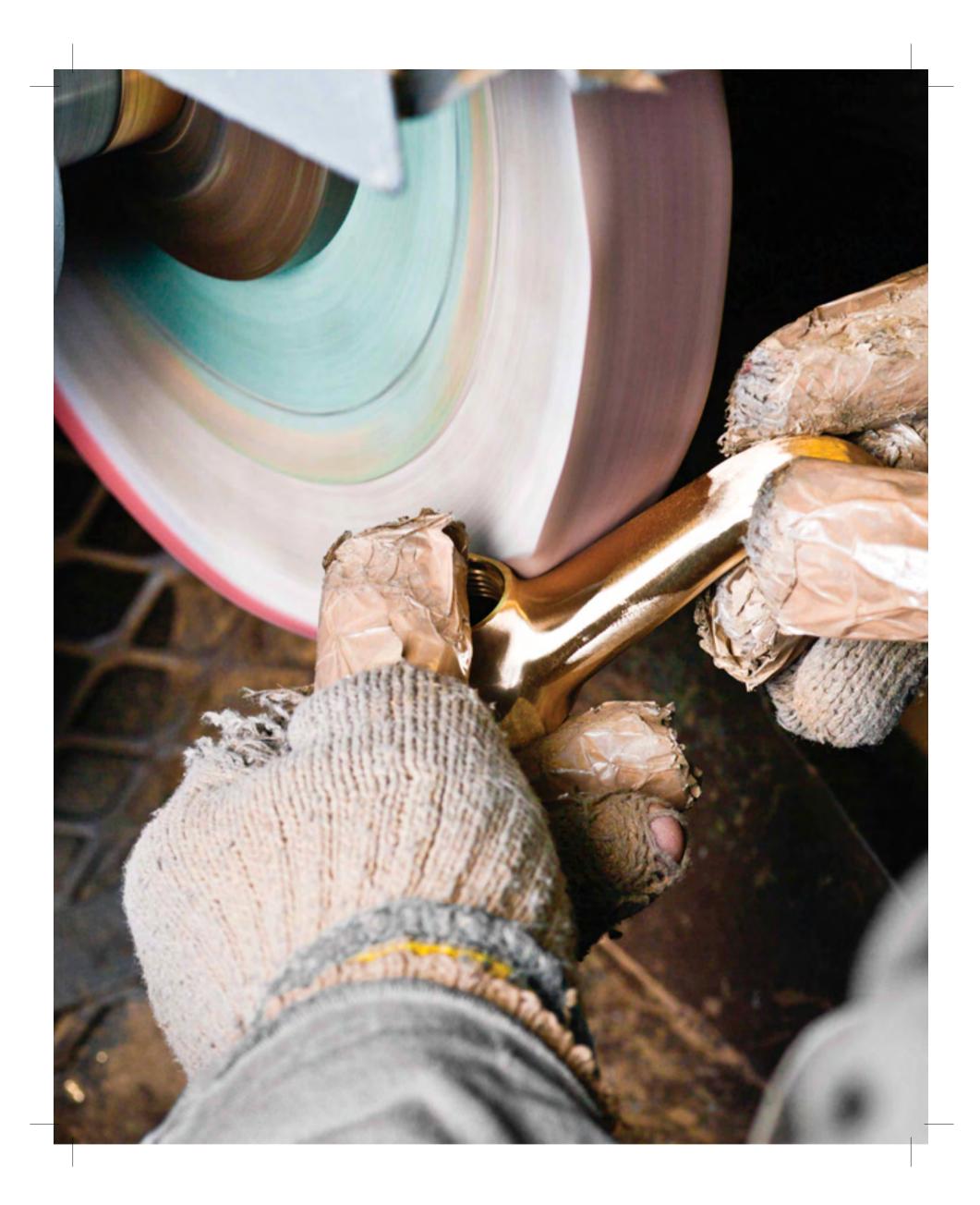




1022-50 - CHECK VALVE

Swing type check valve. 2" BSP female connection ends. For agricultural and industrial use on ascending lines. **Features and Benefits**Manufactured from corrosion resistant DZR brass.





Draincocks

Draincocks



559-20 - DRAINCOCK

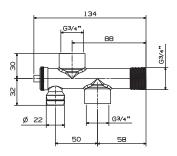
Draincock for solar hot water storage tanks. SANS 1808-53. **Features and Benefits**



Additional connection for solar collection units.

Manufactured from corrosion resistant DZR brass.

Taper connection thread to hot water cylinder for better sealing charateristics.



555-20 - DRAINCOCK



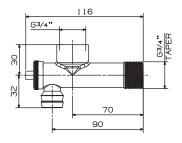
Draincock for hot water cylinders %" BSP male connection to hot water cylinder, %" BSP female connection end, 1 x 20mm drainage hose tail. SANS 1808-53

Features and Benefits

Manufactured from corrosion resistant DZR brass.

Taper connection thread to hot water cylinder for better sealing characteristics.

Suitable for: "G-Tech" and "Supa Heat" hot water cylinders.



555-22 - DRAINCOCK

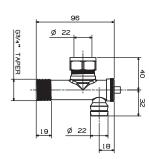


Draincock for hot water cylinders 3%" BSP male connection to hot water cylinder, 22mm compression copper to copper connection end, 1 x 20mm drainage hose tail. SANS 1808-53.

Features and Benefits

Manufactured from corrosion resistant DZR brass. Taper connection thread to hot water cylinder for better sealing charateristics.

sealing charateristics.
Suitable for: "G-Tech" and "Supa Heat" hot water cylinders.



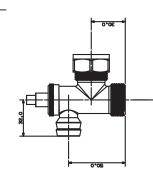
550-22 - DRAINCOCK

Draincock for hot water cylinders 22mm compression copper to copper connection to hot water cylinder, 22mm compression copper to copper connection end, 1 x 20mm drainage hose tail. SANS 1808-53.

Features and Benefits

Manufactured from corrosion resistant DZR brass. Taper connection thread to hot water cylinder for better sealing charateristics.

Suitable for: "Tecron" and "City Heat" hot water cylinders.





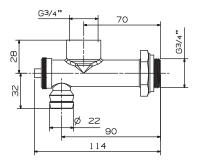
Draincocks

557-20 - DRAINCOCK

Draincock for hot water cylinders %" BSP male connection to hot water cylinder with locking nut and silicone sealing washer, 22mm compression copper to copper connection end, 1 x 20mm drainage hose tail. SANS 1808-53.

Features and Benefits

Manufactured from corrosion resistant DZR brass. Suitable for: "Fibalogic" hot water cylinder.

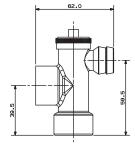


558-20 - DRAINCOCK

Draincock for hot water cylinders %" BSP female connection to hot water cylinder, %" BSP female connection end, 1×20 mm drainage hose tail. SANS 1808-53.

Features and Benefits

Manufactured from corrosion resistant DZR brass. Suitable for :"Kwikot" hot water cylinders.

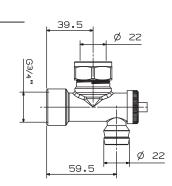


558-22 - DRAINCOCK

Draincock for hot water cylinders % BSP female connection to hot water cylinder, 22mm compression copper to copper connection end, 1 x 20mm drainage hose tail. SANS 1808-53.

Features and Benefits

Manufactured from corrosion resistant DZR brass. Suitable for :"Kwikot" hot water cylinders.









PA1.1 - KWIKFLO

400kPa Kwikflo pressure control valve with integral expansion relief valve and strainer. %" BSP female connection ends. %" BSP female connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

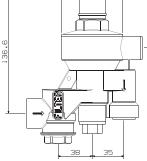
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Repair Kit for 400kPa Kwikflo/Closy C-PA1.10 Diaphragm Kwikflo/Closy C-PAV1.5 Filter assembly Kwikflo/Closy C-PA1.10F

Maximum inlet pressure: 2,500kPa System pressure: 400kPa





PA1.1L - CLOSY

100kPa Closy pressure control valve with integral expansion relief valve and strainer. With PB6.302 vacuum breaker. ¾" BSP female connection ends. $\ensuremath{\text{1/2}}\xspace$ BSP female connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Supplied with one PB6.302 ¾"BSP male connection end.

Easy fit cartridge.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

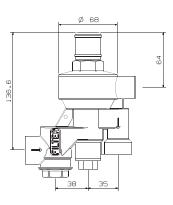
Manufactured from corrosion resistant DZR brass.

Repair Kit for 100kPa and 200kPa Kwikflo/Closy C-PA1.10L

Diaphragm Kwikflo/Closy C-PAV1.5 Filter assembly Kwikflo/Closy C-PA1.10F

Note

Maximum inlet pressure: 2,500kPa System pressure: 100kPa





PA1.1L+ - CLOSY

200kPa Closy pressure control valve with integral expansion relief valve and strainer. With PB6.302 vacuum breaker. ¾" BSP female connection ends. $\ensuremath{\text{1/2}}\xspace$ BSP female connection end for expansion. SANS 198

Features and Benefits

Externally removable stainless steel strainer.

Supplied with one PB6.302 3/4" BSP male connection end.

Easy fit cartridge.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

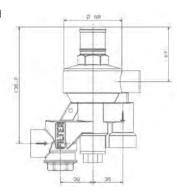
Repair Kit for 100kPa and 200kPa Kwikflo/Closy C-PA1.10L Diaphragm Kwikflo/Closy C-PAV1.5

Filter assembly Kwikflo/Closy C-PA1.10F

Note

Maximum inlet pressure: 2,500kPa

System pressure: 200kPa







PA3.132 - MASTERFLO I

400kPa Masterflo 1 pressure control valve with integral expansion relief valve and strainer. $\mbox{\%}"$ BSP male connection coupling ends. $\mbox{\%}"$ BSP female connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Easy fit cartridge.

Fitted with new combination inlet and outlet dust cover/sealing washers. Acetyl valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 400kPa Masterflo 1 C-PA3.832

Note

Maximum inlet pressure: 2,500kPa





PA3.132PK - GEYSER VALVE PACK

400kPa Masterflo 1 pressure control valve with integral expansion relief valve and strainer. $\frac{3}{4}$ " BSP male connection coupling ends. $\frac{1}{2}$ " BSP female connection end for expansion. With 2 x PB6.302 vacuum breakers and 1×3 4" BSP female connection end valve cock. SANS 198.

Features and Benefits

Complete hot water cylinder installation pack. Externally removable stainless steel strainer.

Easy fit cartridge.

Fitted with new combination inlet and outlet dust cover/sealing washers. Acetyl valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

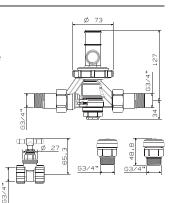
Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 200kPa to 400kPa Masterflo 1 C-PA3.832

Note

Maximum inlet pressure: 2,500kPa System pressure: 400kPa







PA3.132REP - MASTERFLO I

400kPa Masterflo 1 pressure control valve with integral expansion relief valve and strainer. ¾" BSP male connection ends. ½" BSP female connection end for expansion. SANS 198.

Features and Benefits

Replacement valves for PA3.132.

Externally removable stainless steel strainer.

Easy fit cartridge.

Acetvl valve seat.

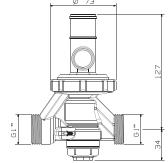
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

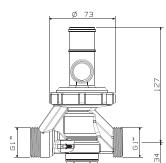
 ${\it Manufactured from\ corrosion\ resistant\ DZR\ brass}.$

Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 200kPa to 400kPa Masterflo 1 C-PA3.832

Maximum inlet pressure: 2,500kPa System pressure: 400kPa









PA3.332 - MASTERFLO I

400kPa Masterflo 1 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 1/2" BSP female connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Easy fit cartridge.

Acetyl valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

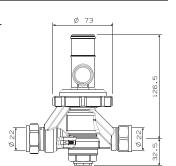
Spare Parts

Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 200kPa to 400kPa Masterflo 1 C-PA3.832

Maximum inlet pressure: 2,500kPa

System pressure: 400kPa





PA3.332PK - GEYSER VALVE PACK

400kPa Masterflo 1 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. $\frac{1}{2}$ " BSP female connection end for expansion. With 2 x PB6.303 vacuum breakers and 1 x 22mm compression copper to copper connection end $\,$ valve cock. SANS 198.

Features and Benefits

Complete hot water cylinder installation pack.

Externally removable stainless steel strainer.

Easy fit cartridge.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

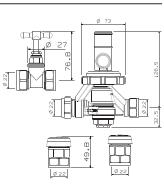
Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 200kPa to 400kPa Masterflo 1 C-PA3.832

Note

Maximum inlet pressure: 2,500kPa

System pressure: 400kPa



PA3.342 - MASTERFLO I

600kPa Masterflo 1 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 1/2" BSP female connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Easy fit cartridge.

Acetyl valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

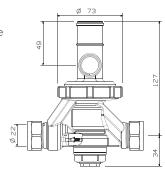
Spare Parts

Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 600kPa Masterflo 1 C-PA3.862

Note

Maximum inlet pressure: 2,500kPa System pressure: 600kPa







PA4.311 - MASTERFLO II

100kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 15mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. SANS 198.

Features and Benefits

 \emptyset 15mm "push-fit" expansion outlet, direction adjustable for easy relief drain plumbing.

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Replacement cartridge 100kPa Masterflo 11 C-PA4.812

Maximum inlet pressure: 2,500kPa System pressure: 100kPa



PA4.321 - MASTERFLO II

200kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 15mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. SANS 198.

Features and Benefits

 \emptyset 15mm "push-fit" expansion outlet, direction adjustable for easy relief drain plumbing.

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Replacement cartridge 200kPa Masterflo 11 C-PA4.822

Maximum inlet pressure: 2,500kPa System pressure: 200kPa



PA4.331 - MASTERFLO II

400kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 15mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. SANS 198.

Features and Benefits

 \emptyset 15mm "push-fit" expansion outlet, direction adjustable for easy relief drain plumbing.

Externally removable stainless steel strainer.

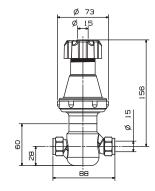
Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

 $\label{thm:manufactured} \mbox{Manufactured from corrosion resistant DZR brass}.$

Replacement cartridge 400kPa Masterflo 11 C-PA4.832

Note

Maximum inlet pressure: 2,500kPa System pressure: 400kPa







PA4.331PK - GEYSER VALVE PACK

400kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 15mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. With 2 x PB6.301 vacuum breakers and 1 x 15mm compression copper to copper connection end valve cock. SANS 198.

Features and Benefits

Complete hot water cylinder installation pack.

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

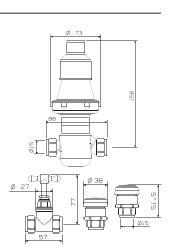
Spare Parts

Replacement cartridge 400kPa Masterflo 11 C-PA4.832

Note

Maximum inlet pressure: 2,500kPa

System pressure: 400kPa





PA4.332 - MASTERFLO II

400kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. SANS 198.

Features and Benefits

 \emptyset 15mm "push-fit" expansion outlet, direction adjustable for easy relief drain plumbing.

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

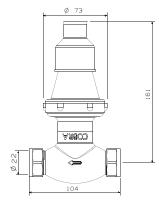
Manufactured from corrosion resistant DZR brass.

Spare Parts

Replacement cartridge 400kPa Masterflo 11 C-PA4.832

Note

Maximum inlet pressure: 2,500kPa System pressure: 400kPa





PA4.332PK - GEYSER VALVE PACK

400kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. With 2 x PB6.303 vacuum breakers and 1 x 22mm compression copper to copper connection end valve cock. SANS 198.

Features and Benefits

 $Complete\ hot\ water\ cylinder\ installation\ pack.$

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

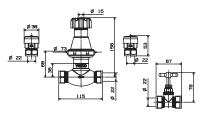
Manufactured from corrosion resistant DZR brass.

Spare Parts

Replacement cartridge 400kPa Masterflo 11 C-PA4.832

Note

Maximum inlet pressure: 2,500kPa System pressure: 400kPa







PA4.712 - MASTERFLO II

100kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. With 2 x PB6.303 vacuum breakers. SANS 198.

Features and Benefits

Hot water cylinder installation pack.

Externally removable stainless steel strainer.

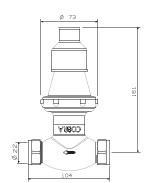
Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass

Spare Parts

Replacement cartridge 100kPa Masterflo 11 C-PA4.812

Maximum inlet pressure: 2,500kPa System pressure: 100kPa





PA4.712PK - GEYSER VALVE PACK

100kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. With 2 x PB6.303 vacuum breaker's and 1 x 22mm compression copper to copper connection end valve cock. SANS 198.

Features and Benefits

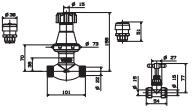
Complete hot water cylinder installation pack. Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass

Replacement cartridge 100kPa Masterflo 11 C-PA4.812

Maximum inlet pressure: 2,500kPa

System pressure: 100kPa





PA4.722 - MASTERFLO II

200kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. With 2 x PB6.303 vacuum breakers. SANS 198.

Features and Benefits

Hot water cylinder installation pack.

Externally removable stainless steel strainer.

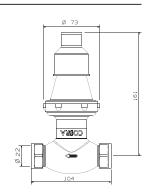
Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Replacement cartridge 200kPa Masterflo 11 C-PA4.822

Note

Maximum inlet pressure: 2,500kPa System pressure: 200kPa







PA4.732 - MASTERFLO II

300kPa Masterflo 11 pressure control valve with integral expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm "push fit" connection end for expansion. With 2 x PB6.303 vacuum breakers. SANS 198.

Features and Benefits

Hot water cylinder installation pack.

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

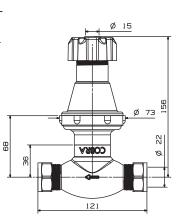
Manufactured from corrosion resistant DZR brass.

Spare Parts

Replacement cartridge 300kPa Masterflo 11 C-PA4.825

Maximum inlet pressure: 2,500kPa

System pressure: 300kPa





PA5.1 - MASTER BOX

400kPa Masterflo 1 housebox consisting of 1 x PA3.132 pressure control valve, 1 x 3/4" ball cock, 1 x 1050-20 in-line strainer, funnel, GRP box with lid and 2 x PB6.303 vacuum breakers. ¾" BSP male connection ends.

Features and Benefits

Facilitates balancing of hot and cold water pressure. Stainless steel strainer.

Facilitates easy servicing of PCV.

Externally removable stainless steel strainer in PCV.

Easy fit cartridge in PCV.

Acetyl valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

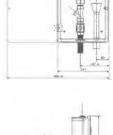
Spare Parts

Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 200kPa to 400kPa Masterflo 1 C-PA3.832

Note

Maximum inlet pressure: 2,500kPa System pressure: 400kPa





PA5.1M - MASTER METER BOX



400kPa Master meter box consisting of 1 x PA3.132 pressure control valve, 1 x ¾" ball cock, funnel, GRP box with lid, 2 x PB6.303 vacuum breakers and 1 x Kent water meter. 34" BSP male connection ends. SANS 198.

Features and Benefits

Facilitates balancing of hot and cold water pressure.

"This unit best satisfies the requirements of the national compulsory standards (R509-8 JUNE 2001) requiring that every dwelling is individually metered - especially important in cluster developments using one bulk

metered - especially important in cluster developments using one bulk meter for the complex; also, the requirement stipulates that an isolating ball valve must be fitted where pipework enters a building. Facilitates easy servicing of PCV. Externally removable stainless steel strainer in PCV. Easy fit cartridge in PCV. Acetyl valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the

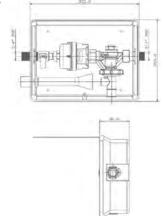
continued operation of your Cobra fittings Manufactured from corrosion resistant DZR brass.

Spare Parts

Masterflo 1 diaphragm C-PA1.51

Replacement cartridge 200kPa to 400kPa Masterflo 1 C-PA3.832 Note

Maximum inlet pressure: 2,500kPa. System pressure: 400kPa.







PA6.341 - MASTERFLO III

400kPa Masterflo 111 pressure control valve with expansion relief valve and strainer. 15mm compression copper to copper connection ends. 15mm compression copper to copper connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. PPSU (polyphenylsulfone) valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Replaceable cartridge C-PA6.832

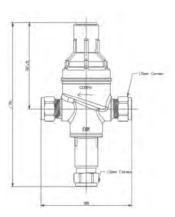
Capnut 64XS-15

Compression ring D-65XS-15

Note

Maximum inlet pressure: 2,500kPa

System pressure: 400kPa





PA6.342 - MASTERFLO III

400kPa Masterflo 111 pressure control valve with expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm compression copper to copper connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer. Easy fit cartridge can be removed by hand. No special tools required. PPSU (polyphenylsulfone) valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts Replaceable cartridge C-PA6.832

Connection end capnut 64XS-22

Connection end compression ring 65XS-22

Expansion connection capnut 64XS-15 Expansion connection compression ring D-65XS-15

Note

Maximum inlet pressure: 2,500kPa System pressure: 400kPa



PA6.361 - MASTERFLO III

600kPa Masterflo 111 pressure control valve with expansion relief valve and strainer. 15mm compression copper to copper connection ends. 15mm compression copper to copper connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required.

PPSU (polyphenylsulfone) valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

 ${\it Manufactured from corrosion resistant DZR brass.}$

Replaceable cartridge C-PA6.862 Capnut 64XS-15

Compression ring D-65XS-15

Note

Maximum inlet pressure: 2,500kPa

System pressure: 600kPa





PA6.362 - MASTERFLO III

600kPa Masterflo 111 pressure control valve with expansion relief valve and strainer. 22mm compression copper to copper connection ends. 15mm compression copper to copper connection end for expansion. SANS 198.

Features and Benefits

Externally removable stainless steel strainer.

Easy fit cartridge can be removed by hand. No special tools required. PPSU (polyphenylsulfone) valve seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

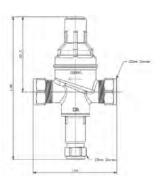
Spare Parts

Replaceable cartridge C-PA6.862 Connection end capnut 64XS-22

Connection end compression ring 65XS-22

Expansion connection capnut 64XS-15 Expansion connection compression ring D-65XS-15

Maximum inlet pressure: 2,500kPa System pressure: 600kPa



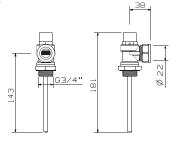




PB1.13 - TP & SAFETY VALVE

Temperature and pressure safety relief valve. 100kPa. %" BSP male connection end. 22mm compression copper to copper outlet. SANS 198. Features and Benefits

Manufactured from corrosion resistant DZR brass. Locking nut with silicone seal for watertight installation and for ease of directional alignment of pressure/temperature relief pipe.

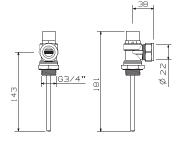


PB1.23 - TP & SAFETY VALVE

Temperature and pressure safety relief valve. 200kPa. 34° BSP male connection end. 22mm compression copper to copper outlet. SANS 198.

Features and Benefits

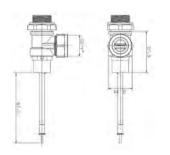
Manufactured from corrosion resistant DZR brass. Locking nut with silicone seal for watertight installation and for ease of directional alignment of pressure/temperature relief pipe.



PB1.33 - TP & SAFETY VALVE

Temperature and pressure safety relief valve. 300kPa. 3%" BSP male connection end. 22mm compression copper to copper outlet. SANS 198. Features and Benefits

Manufactured from corrosion resistant DZR brass. Locking nut with silicone seal for watertight installation and for ease of directional alignment of pressure/temperature relief pipe.



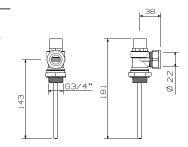


PB1.43 - TP & SAFETY VALVE

Temperature and pressure safety relief valve. 400kPa. ¾ BSP male connection end. 22mm compression copper to copper outlet. SANS 198.

Features and Benefits

Manufactured from corrosion resistant DZR brass Locking nut with silicone seal for watertight installation and for ease of directional alignment of pressure/temperature relief pipe.





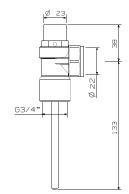
PB1.46 - TP & SAFETY VALVE



Temperature and pressure safety relief valve. 400kPa. % BSP female connection end. 22mm compression copper to copper outlet. SANS 198.

Features and Benefits

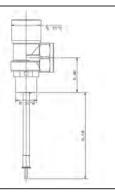
 $\label{thm:manufactured} \mbox{Manufactured from corrosion resistant DZR brass}.$ Locking nut with silicone seal for watertight installation and for ease of directional alignment of pressure/temperature relief pipe.



PB1.66 - TP & SAFETY VALVE

Temperature and pressure safety relief valve. 600kPa. 3/4" BSP female connection end. 22mm compression copper to copper outlet. SANS 198. Features and Benefits

Manufactured from corrosion resistant DZR brass. Locking nut with silicone seal for watertight installation and for ease of directional alignment of pressure/temperature relief pipe.



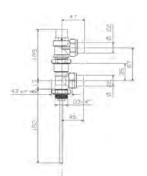
PB1.43BA - TP & SAFETY VALVE

Temperature and pressure safety relief valve, 'banjo' type. 400kPa. 3/4" BSP male connection end with male/female adaptor. 2 x 22mm compression copper to copper outlets. SANS 198.

Features and Benefits

This TP&S valve and hot water outlet combination frees the hot water cylinder outlet to be used for a solar collector connection. Complete with male/female connection end inlet adaptor to fit male or female outlet hot water cylinder.

Locking nut for ease of installation and locking the TP&S in place. Silicone washer (more resistant to hot water and chemicals). Multi-directional outlets for hassle free pipe installations.



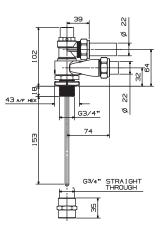
PB1.63BA - TP & SAFETY VALVE

Temperature and pressure safety relief valve, 'banjo' type. 600kPa. 3/4" BSP male connection end with male/female adaptor 2 x 22mm compression copper to copper outlets. SANS 198.

Features and Benefits

This TP&S valve and hot water outlet combination frees the hot water cylinder outlet to be used for a solar collector connection. Complete with male/female connection end inlet adaptor to fit male or female outlet hot water cylinder.

Locking nut for ease of installation and locking the TP&S in place. Silicone washer (more resistant to hot water and chemicals). Multi-directional outlets for hassle free pipe installations.





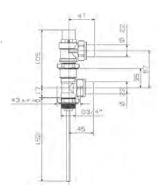
PB1.43BA-LP - TP & SAFETY VALVE

Temperature and pressure safety relief valve, 'banjo' type with extended (9") probe. 400 kPa. 3" BSP male connection end plus male/female adaptor. $2 \times 22 \text{mm}$ compression copper to copper outlets. SANS 198.

Features and Benefits

This TP&S valve and hot water outlet combination frees the hot water cylinder outlet to be used for a solar collector connection. Complete with male/female connection end inlet adaptor to fit male or female outlet hot water cylinder.

Locking nut for ease of installation and locking the TP&S in place. Silicone washer (more resistant to hot water and chemicals). Multi-directional outlets for hassle free pipe installations.



PB1.63BA-LP - TP & SAFETY VALVE

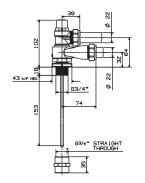
Temperature and pressure safety relief valve, 'banjo' type with extended (9") probe. 600 kPa. %" BSP male connection end plus male/female adaptor. $2 \times 22 mm$ compression copper to copper outlets. SANS 198.

Features and Benefits

This TP&S valve and hot water outlet combination frees the hot water cylinder outlet to be used for a solar collector connection.

Complete with male/female connection end inlet adaptor to fit male or female outlet hot water cylinder.

Locking nut for ease of installation and locking the TP&S in place. Silicone washer (more resistant to hot water and chemicals). Multi-directional outlets for hassle free pipe installations.



Vacuum Breakers

Vacuum Breakers





PB1.10CX - VACUUM BREAKER

'Vacubreak' double jumper vacuum breaker.

22mm compression copper to copper connection end. SANS 198. Features and Benefits

Double jumper provides double the protection in comparison to a single jumper vacuum breaker.

Manufactured from corrosion resistant DZR brass.







PB1.10 - VACUUM BREAKER

'Vacubreak' double jumper vacuum breaker. 3/4" BSP male connection end. SANS 198.

Features and Benefits

Double jumper provides double the protection in comparison to a single jumper vacuum breaker. Manufactured from corrosion resistant DZR brass.





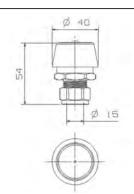


PB6.301 - VACUUM BREAKER

'Vacubreak 111' single jumper vacuum breaker.

15mm compression copper to copper connection end. SANS 198. Features and Benefits

Manufactured from corrosion resistant DZR brass.



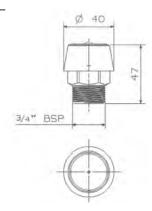


PB6.302 - VACUUM BREAKER

'Vacubreak 111' single jumper vacuum breaker. 3/4" BSP male connection end. SANS 198.

Features and Benefits

Manufactured from corrosion resistant DZR brass.





Vacuum Breakers



PB6.303 - VACUUM BREAKER "VACUBREAK III

'Vacubreak 111' single jumper vacuum breaker. 22mm compression copper to copper connection end. SANS 198. Features and Benefits
Manufactured from corrosion resistant DZR brass.







FJT1.1 - FLUSHPIPE

Bent toilet flushpipe. Ø25.4mm x 640mm x 140mm. For Flushmaster Junior.

Features and Benefits

Suitable for back entry toilet installations. Chrome plated.



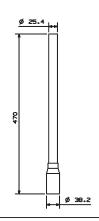
FJT1.2 - FLUSHPIPE

Straight toilet flushpipe. Ø38.2mm outlet x 470mm x Ø25.4mm inlet.

For Flushmaster Junior.

Features and Benefits
Suitable for top entry toilet installations.

Chrome plated.



FJT1.5 - FLUSHPIPE

Bent toilet flushpipe. Ø25.4mm inlet x 610mm x 356mm.

For Flushmaster Junior.

Features and Benefits

Suitable for back entry toilet installations.

Chrome plated.



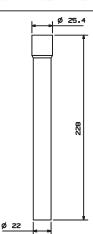
FJT5.1 - FLUSHPIPE

Straight urinal flushpipe. Ø25.4mm outlet, Ø22mm inlet x 228mm.

For Flushmaster Junior. Features and Benefits

Suitable for top entry toilet installations.

Chrome plated.





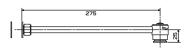


FJT5.4 - FLUSHPIPE

Straight urinal flushpipe. For Flushmaster Junior urinal valves.
Inlet adaptor for Flushmaster Junior. 12mm diameter tube x 275mm long.

Features and Benefits

Back mounted spreader attached to the flushpipe. Tube annealed enabling hand forming. Chrome plated.



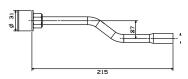


FJT5.5 - FLUSHPIPE

Offset urinal flushpipe. For Flushmaster Junior urinal valves. Inlet adaptor for Flushmaster Junior. 12mm diameter tube x 215mm long. 27mm Offset. Outlet flared to 15mm.

Features and Benefits

Tube annealed enabling hand forming. Chrome plated.

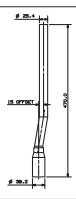


FJT5.7 - FLUSHPIPE

Offset toilet flushpipe. For Flushmaster Junior toilet valves. 25.4mm diameter tube x 470mm long. 15mm Offset. Outlet flared to 38.2mm.

Features and Benefits

Chrome plated.



FJT5.8 - FLUSHPIPE

Straight urinal flushpipe. For Flushmaster Junior urinal valves. Inlet adaptor for Flushmaster Junior. 12mm diameter tube x 217mm long. Outlet flared to 15mm.

Features and Benefits

Tube annealed enabling hand forming.

Chrome plated.







Bent toilet flushpipe. Ø38.2mm inlet, (connection to the Std Flushmaster) x 335mm (vertical) x 140mm (horizontal). For Standard Flushmaster.

Features and Benefits

Suitable for back entry toilet installations. Chrome plated.



FMT1.2 - FLUSHPIPE



Straight toilet flushpipe. Ø38.2mm x 203mm. For Standard Flushmaster. Features and Benefits

Chrome plated.



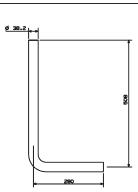
FMT1.3 - FLUSHPIPE



Bent toilet flushpipe. Ø38.2mm x 508mm (vertical) x 280mm (horizontal). For Standard Flushmaster.

Features and Benefits

Chrome plated.

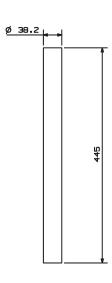


FMT3.4CP - FLUSHPIPE



Straight toilet flushpipe. Ø38.2mm x 445mm. For Standard Flushmaster. Features and Benefits

Chrome plated.







FJ2.000 - TOILET FLUSHVALVE

Exposed type toilet flushvalve with ball-o-stop and wall flange. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost. Non-hold open feature - cannot be MADE to waste water.

3/4 "Ball-o-Stop" control inlet - water can be shut off at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations. Flush time is pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Specific Installation Requirements

Recommended Optimum Design Pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- Inlet flow pressure: 200 500 kPa for top entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa
- 65Ltrs/min peak flow rate at 300kPa inlet pressure,

butterfly fully open (factory test results).

Spare Parts

Wall flange C-FL32X3

Piston assembly C-FJ8.10

Pushbutton assembly C-FJ8.20

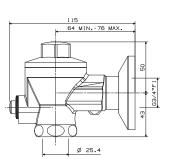
Flushvalve top cover C-FJC1.2 Top cover C-FJC1.2

Flushpipes FJT1.1 for back entry toilets.

FJT1.2 for top entry toilets.

FJT1.5 for back entry toilets that are far from the wall.

FJT5.1 for stall urinal where a sparge pipe is used.







FJ2.001 - TOILET FLUSHVALVE

Exposed type toilet flushvalve with ball-o-stop and wall flange. Brushed chrome finish. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

 $^{3}\!\!/_{\!\!4}$ "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Brushed chrome finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- Inlet flow pressure: 200 500 kPa for top entry WC pans. - At higher pressures, velocity parameters should be taken.
- into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Wall flange C-FL32X3

Piston assembly C-FJ8.10 Pushbutton assembly C-FJ8.20

Flushvalve top cover C-FJC1.2 Top cover C-FJC1.2

Flushpipes

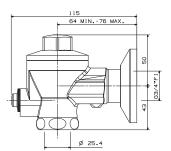
FJT1.1 for back entry toilets.

FJT1.2 for top entry toilets.

FJT1.5 for back entry toilets that are far from the wall.

FJT5.1 for stall urinal where a sparge pipe is used.

FJT5.7 off-set toilet flushpipe.







FJ2.100 - TOILET FLUSHVALVE

Exposed type toilet flushvalve, back entry installations, pan connector, wall flange, seat buffer and ball-o-stop and wall flange. SANS 1240. Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost. Non-hold open feature - cannot be MADE to waste water.

 $\mbox{\em {\sc ''}}$ "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

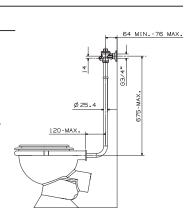
Spare Parts

Flushpipe FJT1.1

Rubber pan connector C-FJV1.7 Rubber seat buffer C-FJV1.2

Piston assembly C-FJ8.10

Pushbutton assembly C-FJ8.20







FJ2.210 - TOILET FLUSHVALVE

Exposed type toilet flushvalve, top entry installations, pan connector, wall flange, seat buffer and ball-o-stop and wall flange. SANS 1240.

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

 $^{3}\!\!/_{\!\!4}$ "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders ${\sf FJ}$ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Specific Installation Requirements

 $Recommended\ optimum\ design\ pressures.$

- Inlet flow pressure: 200 500 kPa for top entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

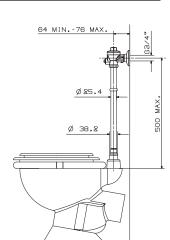
Spare Parts

Flushpipe FJT1.2

Compression pan connector C-FM8.20 Rubber seat buffer C-FJV1.2

Piston assembly C-FJ8.10

Pushbutton assembly C-FJ8.20







FJ2.601 - TOILET FLUSHVALVE

Exposed type toilet flushvalve, back entry installations, pan connector, wall flange, seat buffer and ball-o-stop and wall flange. Brushed chrome finish. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

 ${\bf Diaphragm\ operation\ for\ long\ functional\ life\ and\ low\ maintenance\ cost.}$

Non-hold open feature - cannot be MADE to waste water

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving. No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Brushed chrome finish.

Specific Installation Requirements

Recommended optimum design pressures.

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- At higher pressures, velocity parameters should be taken into
- consideration in the installation design. - Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

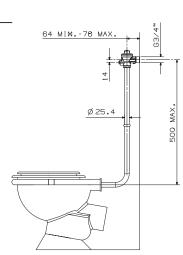
Spare Parts

Flushpipe FJT1.1

Rubber pan connector C-FJV1.7 Rubber seat buffer C-FJV1.2

Piston assembly C-FJ8.10

Pushbutton assembly C-FJ8.20







FJ4.001 - TOILET FLUSHVALVE

Concealed type toilet flushvalve with ball-o-stop and wall flange. Brushed chrome finish. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water

3/4 "Ball-o-Stop" control inlet - water can be shut off at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Brushed chrome finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa. 65Ltrs/min peak flow rate.

Spare Parts

Captive linkage C-FJ8.24 Piston assembly C-FJ8.10 Flushvalve top cover C-FJC1.2 Top cover C-FJC1.2





FJ4.203 - TOILET FLUSHVALVE

Concealed type toilet flushvalve, back entry installations, pan connector, palm press pushbutton assembly with pushrod and ball-o-stop. Exposed parts chrome plate finish. SANS 1240.

Includes

Traditional tried and tested flush valve

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Exposed parts chrome plated finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans. At higher pressures, velocity parameters should be taken
- into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Flushpipe FJT1.2

Flushpipe FMT3.4CP Elbow connector C-FM8.45

Rubber pan connector C-FM8.3

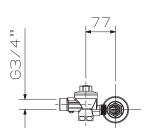
Palm press pushbutton assembly with pushrod C-KM9.14

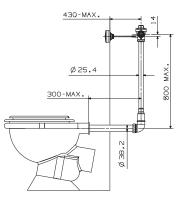
Piston assembly C-FJ8.10

Pushbutton assembly C-FJ8.20

Pushrod C-FMR1.015

Flushvalve top cover C-FJC1.2









FJ4.203PR - TOILET FLUSHVALVE

Concealed type, back entry toilet flushvalve with prison secure pushbutton flush activation. With pan connector. SANS 1240. **Includes**

Prison secure pushbutton flush activation with

'through the wall' guide tube.

Suitable for: Institutional installations.

Traditional tried and tested flush valve.

Constant flush volume saves water. Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

34 "Ball-o-Stop" control inlet - water can be shut off

at the VALVE for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time can be pre-set to ensure an optimum flush and water saving. No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Exposed parts chrome plate finish.

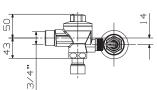
Specific Installation Requirements

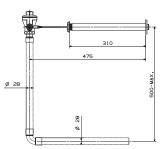
Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Rubber pan connector C-FJV1.7
Piston assembly C-FJ8.10
Pushbutton assembly C-FJ8.20
Concealed push button assembly C-KM9.15
Flushvalve top cover C-FJC1.2
Top cover C-FJC1.2









KF4.213 - TOILET FLUSHVALVE

Junior econo-flushvalve with front access box, back entry installation, pan connector, front access box with palm press pushbutton. Stainless steel faceplate. SANS 1240.

Includes

For high pressure installations.

Flush valve housed in metal box.

Access for maintenance via faceplate.

Stainless steel faceplate with chrome plated palm press push button.

Suitable for new ductless buildings like office blocks, hotels, cinemas, etc.

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker -prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost. Non-hold open feature - cannot be MADE to waste water.

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the VALVE for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials to ensure long service life.

Size allows for space saving, compact installations.

Flush volume and flow rate can be adjusted.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- At higher pressures, velocity parameters should be taken into
- consideration in the installation design. - Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Piston assembly C-FJ8.10

Palm press button for front access box flushvalve C-KM9.16

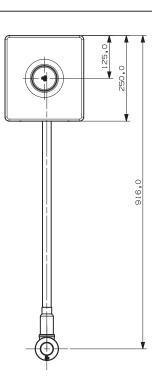
Pushbutton assembly C-FJ8.20

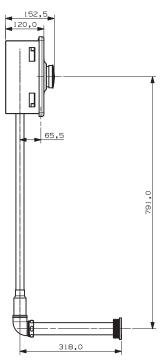
Flushpipe FJT1.2

Flushpipe FMT3.4

Elbow connector C-FM8.45

Rubber pan connector C-FM8.3









FJ6.000 - URINAL FLUSHVALVE

Exposed type urinal flushvalve with ball-o-stop and wall flange. Chrome plate finish. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Recommended optimum design pressures.

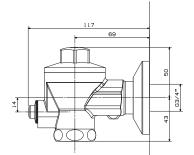
- Inlet flow pressure: 30 - 500 kPa.

- At higher pressures, velocity parameters should be taken into
- consideration in the installation design.
- Maximum system pressure: 600 kPa. - 65Ltrs/min peak flow rate.

Spare Parts

Wall flange C-FL32X3 Piston assembly C-FJ8.11

Pushbutton assembly C-FJ8.20 Flushvalve top cover C-FJC1.2







FJ6.001 - URINAL FLUSHVALVE

Exposed type urinal flushvalve with ball-o-stop and wall flange. Brushed chrome finish SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Recommended optimum design pressures.

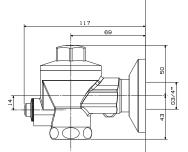
- Inlet flow pressure: 30 500 kPa.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Wall flange C-FL32X3

Piston assembly C-FJ8.11 Pushbutton assembly C-FJ8.20

Flushvalve top cover C-FJC1.2







FJ8.102 - URINAL FLUSHVALVE

Concealed type urinal flushvalve with ball-o-stop and palm press pushbutton assembly. Exposed parts chrome plate finish. SANS 1240.

Traditional tried and tested flush valve.

Constant flush volume saves water.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the valve for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time is pre-set to ensure an optimum flush and water saving. Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Recommended optimum design pressures

- Inlet flow pressure: 30 500 kPa.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.

Spare Parts

Captive linkage C-FJ8.24

Piston assembly C-FJ8.11

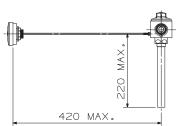
Palm press pushbutton assembly with pushrod C-KM9.14 Flushvalve top cover C-FJC1.2

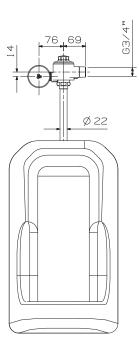
Piston assembly C-FJ8.11

Push rod B572

Flushvalve top cover C-FJC1.2

Flushpipe FJT5.1









KF8.112 - URINAL FLUSHVALVE

Flushmaster Junior urinal flushvalve with ball-0-stop in a stainless steel front access box with palm press push button. SANS 1240.

Includes

Because so little water is flushed, the urinal valve will work in systems with pressures as low as 30kPa.

Flush valve housed in metal box.

Access for maintenance via faceplate.

Stainless steel faceplate with chrome plated palm press push button. Suitable for: New ductless buildings like office blocks, hotels, cinemas, etc. Traditional tried and tested flush valve.

Constant flush volume saves water.

 ${\bf Diaphragm\ operation\ for\ long\ functional\ life\ and\ low\ maintenance\ cost.}$

Non-hold open feature - cannot be MADE to waste water.

3/4 "Ball-o-Stop" control inlet - water can be shut off

at the VALVE for servicing. Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJ valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time can be pre-set to ensure an optimum flush and water saving. Hygienic and easy to clean.

Each valve is factory tested to 2,000kPa.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Brushed chrome finish.

Specific Installation Requirements

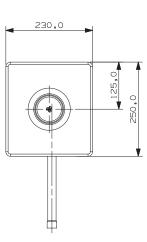
Recommended optimum design pressures

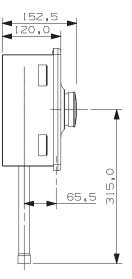
- Inlet flow pressure: 30 500 kPa. - At higher pressures, velocity parameters should be taken into
- consideration in the installation design.
- Maximum system pressure: 600 kPa.

Spare Parts

Piston assembly C-FJ8.10

Pushbutton assembly C-KM9.16 Flushpipe FJT5.1









FJS2.000 - TOILET FLUSHVALVE

Exposed type toilet flushvalve with ball-O-stop isolating valve and wall flange.

Includes

Morden minimalistic design well suited to upmarket public wash rooms. Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost.

Non-hold open feature - cannot be MADE to waste water.

3/4" "Ball-o-Stop" control inlet - water can be shut off at the VALVE for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJS valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.
Flush time can be pre-set to ensure an optimum flush and water saving. No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- Inlet flow pressure: 200 500 kPa for top entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Piston assembly C-FJ8.10

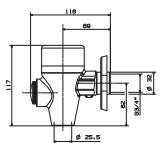
Pushbutton assembly C-FJS8.20

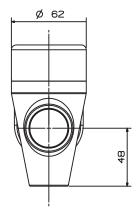
Flushpipes

For back entry toilets FJT1.1

For top entry toilets FJT1.2

For back entry toilets that are far from the wall FJT1.5 For stall urinal where a sparge pipe is used FJT5.1









FJS2.100 - TOILET FLUSHVALVE

Exposed type toilet flushvalve with wall flange, back entry installation, bent flushpipe, pan connector and seat buffer with ball-O-stop isolating valve and wall flange.

Includes

Morden minimalistic design well suited to upmarket public wash rooms.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage. ${\bf Diaphragm\ operation\ for\ long\ functional\ life\ and\ low\ maintenance\ cost.}$

Non-hold open feature - cannot be MADE to waste water.

3/4" "Ball-o-Stop" control inlet - water can be shut off at the VALVE for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJS valve vandal resistant. All components are made from specially selected materials to ensure long service life.

Size allows for space saving, compact installations.

Flush time can be pre-set to ensure an optimum flush

and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 150 500 kPa for back entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

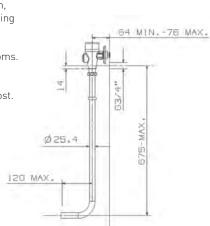
Flushpipe FJT1.1

Rubber pan connector C-FJV1.7

Piston assembly C-FJ8.10

Pushbutton assembly C-FJS8.20

Rubber seat buffer C-FJV1.2







FJS2.210 - TOILET FLUSHVALVE

Exposed type toilet flushvalve with wall flange, top entry installation, straight flushpipe, pan connector and seat buffer with ball-O-stop isolating valve and wall flange.

Includes

Morden minimalistic design well suited to upmarket public wash rooms.

Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

 ${\bf Diaphragm\ operation\ for\ long\ functional\ life\ and\ low\ maintenance\ cost.}$

Non-hold open feature - cannot be MADE to waste water.

3/4" "Ball-o-Stop" control inlet - water can be shut off

at the VALVE for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJS valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time can be pre-set to ensure an optimum flush and water saving. No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 200 500 kPa for top entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

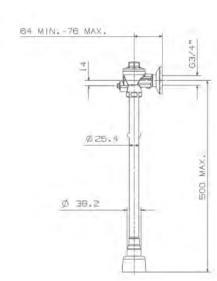
Flushpipe FJT1.2

Compression pan connector C-FM8.20

Rubber seat buffer C-FJV1.2

Piston assembly C-FJ8.10

Pushbutton assembly C-FJS8.20







FJS6.000 - URINAL FLUSHVALVE

Description: Exposed type toilet flushvalve with wall flange, top entry installation, straight flushpipe, pan connector and seat buffer with ball-O-stop isolating valve and wall flange.

Includes

Modern minimalistic design well suited to upmarket public wash rooms. Constant flush volume saves water.

Integral vacuum breaker - prevents back syphonage.

Diaphragm operation for long functional life and low maintenance cost. Non-hold open feature - cannot be MADE to waste water.

3/4" "Ball-o-Stop" control inlet - water can be shut off

at the VALVE for servicing.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FJS valve vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time can be pre-set to ensure an optimum flush and water saving. No cistern fill up noise.

Hygienic and easy to clean.

Easy installation and maintenance reduces costs.

Chrome plated finish.

Specific Installation Requirements

Recommended optimum design pressures

- Inlet flow pressure: 30 500 kPa.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate.

Spare Parts

Piston assembly C-FJ8.10

Pushbutton assembly C-FJS8.20

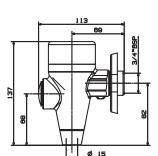
Flushpipes

Straight urinal tail pipe FJT5.1

Straight urinal tail pipe and spray rose FTJ5.4

Offset urinal tail pipe FJT5.5

Straight urinal tail pipe FJT5.8











FM1.000 - TOILET FLUSHVALVE

Exposed type toilet flushvalve with control stop and wall flange. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FM valves vandal resistant. All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly).

Horizontal telescopic adjustment (control stop to valve body) for easy installation.

Non-return valve prevents back-syphonage.

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Shut-off valve/check valve (control stop) for ease of servicing.

Shut-off valve/check valve (control stop) is adjustable for flow control. Lever operated for positive flushing action.

Can be retro-fitted with an extended flush activation lever for

ease of use by infirm/disabled people.

Flush volume and flow rate can be adjusted. Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Back entry bent flushpipe FMT1.1

Rubber pan connector to enable a leak-free/odour free connection

between the back entry flushpipe and the toilet C-FMV8.3 $\,$

Top entry straight flushpipe FMT1.2

Compression pan connector for top entry installation C-FM8.20

Water Supply Requirements

Recommended optimum design pressures

- Inlet flow pressure: 30 300kPa
- Maximum system pressure: 300kPa

105 Ltrs/min. Spare Parts

Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3 Top cover assembly C-FMC1.2

Head part C-FM8.32

Washer kit C-FM8.50

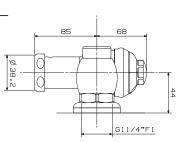
Flush pipe coupling nut C-FM8.14

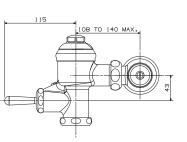
Handle seal C-FM8.70 Handle & nut assembly C-FMC1.5

Optional Sales Items

Extended activation lever for infirm/disabled installation conversions.

224 mm in length 10 mm diameter rod C-FM8.80









FM1.100 - TOILET FLUSHVALVE

Exposed type, back entry toilet flushvalve with control stop and wall flange.

With bent flushpipe and pan connector. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water. Each valve is factory tested to 2,000kPa.

Robust metal construction renders FM valves vandal resistant.

All components are made from specially selected materials to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly).

Horizontal telescopic adjustment (control stop to valve body) for easy installation.

Non-return valve prevents back-syphonage.

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Shut-off valve/check valve (control stop) for ease of servicing.

Shut-off valve/check valve (control stop) is adjustable for flow control.

Lever operated for positive flushing action.

Can be retro-fitted with an extended flush activation lever for ease of use by infirm/disabled people.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water. An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Flushpipes

Back entry bent flushpipe FMT1.1.

Rubber pan connector to enable a leak-free/odour free connection between the back entry flushpipe and the toilet C-FMV8.3.

Water Supply Requirements

Recommended optimum design pressures.

- Inlet flow pressure: 30 300kPa.
- Maximum system pressure: 300kPa. 105 Ltrs/min.

Spare Parts

Flush pipe FMT1.1

Rubber pan connector C-FMV8.3

Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3 Top cover assembly C-FMC1.2

Headpart C-FM8.32 Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

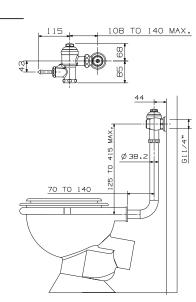
Handle seal C-FM8.70

Handle & nut assembly C-FMC1.5

Optional Sales Items

Extended activation lever for infirm/disabled installation conversions.

224mm in length 10mm diameter rod C-FM8.80.







FM1.210 - TOILET FLUSHVALVE

Exposed type, top entry toilet flushvalve.

with control stop and wall flange. With straight flushpipe and compression pan connector. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa. Robust metal construction renders FM valves vandal resistant.

All components are made from specially selected materials to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly).

Horizontal telescopic adjustment (control stop to valve body) for easy installation.

Non-return valve prevents back-syphonage.

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Shut-off valve/check valve (control stop) for ease of servicing.

Shut-off valve/check valve (control stop) is adjustable for flow control.

Lever operated for positive flushing action.

Can be retro-fitted with an extended flush activation lever

for ease of use by infirm/disabled people. Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul. All wearing parts can be replaced - long service life.

Flushpipes

Top entry straight flushpipe FMT1.2

Compression pan connector for top entry installation C-FM8.20.

Water supply requirements.

Recommended optimum design pressures.

- Inlet flow pressure: 30 - 300kPa.

- Maximum system pressure: 300kPa.

105 Ltrs/min Spare Parts

Flush pipe FMT1.2

Compression pan connector C-FM8.20 Piston assembly C-FM8.30

Double cap seal C-FMV1.1 Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3

Top cover assembly C-FMC1.2

Head part C-FM8.32

Washer kit C-FM8.50

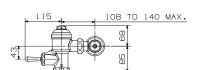
Flush pipe coupling nut C-FM8.14

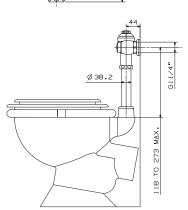
Handle seal C-FM8.70 Handle & nut assembly C-FMC1.5

Optional Sales Items

Extended activation lever for infirm/disabled installation conversions.

224mm in length 10mm diameter rod C-FM8.80.









Exposed type toilet flushvalve with wall flange. SANS 1240. Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FM valves vandal resistant.

All components are made from specially selected materials to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly).

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Push button flush activation.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul. All wearing parts can be replaced - long service life.

Back entry bent flushpipe FMT1.1

Rubber pan connector to enable a leak-free/odour free connection between the flushpipe and the toilet C-FMV8.3

Top entry straight flushpipe FMT1.2

Compression pan connector for top entry installation C-FM8.20 Water Supply Requirements

Recommended optimum design pressures

- Inlet flow pressure: 30 - 300kPa

- Maximum system pressure: 300kPa

105 Ltrs/min Spare Parts

Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

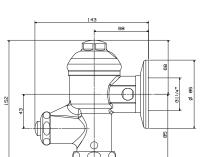
Control stop assembly C-FMC1.3

Top cover assembly C-FMC1.2

Headpart C-FM8.32 Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

Handle seal C-FM8.70







FM2.100 - TOILET FLUSHVALVE

Exposed type, back entry toilet flushvalve with wall flange. With bent flushpipe and pan connector. SANS 1240.

Includes

Traditional tried and tested flush valve. Constant flush volume saves water. Each valve is factory tested to 2,000kPa.

Robust metal construction renders FM valves vandal resistant. All components are made from specially selected materials

to ensure long service life. Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly). Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Push button flush activation. Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.
Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Flushpipes

Back entry bent flushpipe FMT1.1

Rubber pan connector to enable a leak-free/ odour free connection between the back entry flushpipe and the toilet C-FMV8.3

Water Supply Requirements

Recommended optimum design pressures

- Inlet flow pressure: 30 300kPa
- Maximum system pressure: 300kPa 105 Ltrs/min

Spare Parts

Flush pipe FMT1.1

Rubber pan connector C-FMV8.3

Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60 Control stop assembly C-FMC1.3

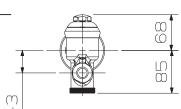
Top cover assembly C-FMC1.2

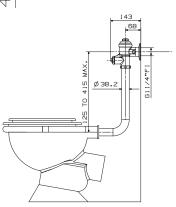
Head part C-FM8.32

Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

Handle seal C-FM8.70









FM2.210 - TOILET FLUSHVALVE

Exposed type, top entry toilet flushvalve with wall flange. With straight flushpipe and compression pan connector. SANS 1240.

Traditional tried and tested flush valve. Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FM valves vandal resistant. All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly).

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Push button flush activation.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life. Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Flushpipes

Top entry straight flushpipe FMT1.2

Compression pan connector for top entry installation C-FM8.20

Water Supply Requirements

Recommended optimum design pressures.

- Inlet flow pressure: 30 300kPa.
- Maximum system pressure: 300kPa. 105 Ltrs/min.

Spare Parts

Flush pipe FMT1.2

Compression pan connector C-FM8.20 Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3

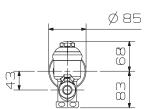
Top cover assembly C-FMC1.2

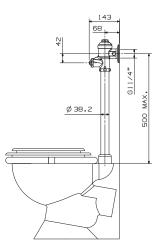
Head part C-FM8.32

Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

Handle seal C-FM8.70









FM3.402 - TOILET FLUSHVALVE

Concealed type, back entry toilet flushvalve, palm press

flush activation and control stop. With vertical and horizontal flushpipes, elbow and pan connector. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders FM valves vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Horizontal telescopic adjustment (control stop to valve body) for easy installation.

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Shut-off valve/check valve (control stop) for ease of servicing.

Shut-off valve/check valve (control stop) is adjustable for flow control.

Flush volume and flow rate can be adjusted. Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Flushpipes

Flushpipe FMT3.4CP

Elbow connector C-FM8.45

Water Supply Requirements

Recommended optimum design pressures. - Inlet flow pressure: 30 - 300kPa.

- Maximum system pressure: 300kPa.

105 Ltrs/min.

Spare Parts

Flushpipe FMT3.4CP

Elbow connector C-FM8.45

Rubber pan connector C-FMV8.3

Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3

Top cover assembly C-FMC1.2

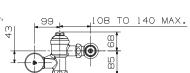
Head part C-FM8.32 Washer kit C-FM8.50

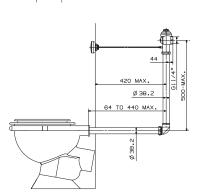
Flush pipe coupling nut C-FM8.14

Captive flush activator and linkage for push rod assembly C-FMC1.6

Push rod and nut C-FMR1.015

Palm press button for concealed flushvalve C-KM9.14









KF1.104 - TOILET FLUSHVALVE

Exposed type, back entry toilet flushvalve. Chrome plated finish on rough body. With bent flushpipe and pan connector.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

 ${\bf Robust\ metal\ construction\ renders\ KF\ valves\ vandal\ resistant.}$ All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Replaceable piston chamber (top cover assembly).

No cistern fill up noise.

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Push button flush activation.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water. An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Flushpipes

Back entry bent flushpipe FMT1.1

Rubber pan connector to enable a leak-free/odour free connection

between the back entry flushpipe and the toilet C-FMV8.3

Water Supply Requirements

Recommended optimum design pressures.

- Inlet flow pressure: 30 300kPa.
- Maximum system pressure: 300kPa. 105 Ltrs/min.

Spare Parts

Flush pipe FMT1.1

Rubber pan connector C-FMV8.3 Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

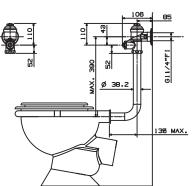
Control stop assembly C-FMC1.3

Top cover assembly C-FMC1.2

Headpart C-FM8.32

Washer kit C-FM8.50 Flush pipe coupling nut C-FM8.14

Handle seal C-FM8.70







KF3.402 - TOILET FLUSHVALVE

Concealed type, back entry toilet flushvalve with palm press flush activation, vertical and horizontal flushpipes, elbow and pan connector. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders KF valves vandal resistant. All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Replaceable piston chamber (top cover assembly).

Integral vacuum breaker prevents back-syphonage.

Large inlet for optimum water flow.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water. An inexpensive seal kit allows for complete overhaul.

All wearing parts can be replaced - long service life.

Flushpipes
Flushpipe FMT3.4CP.

Elbow connector C-FM8.45

Water Supply Requirements

Recommended optimum design pressures.

- Inlet flow pressure: 30 300kPa.
- Maximum system pressure: 300kPa. 105 Ltrs/min.

Spare Parts

Flushpipe FMT3.4CP

Elbow connector C-FM8.45

Rubber pan connector C-FMV8.3 Piston assembly C-FM8.30

Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3

Top cover assembly C-FMC1.2 Head part C-FM8.32

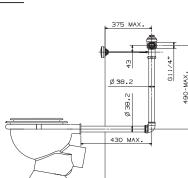
Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

Captive flush activator and linkage for push rod assembly C-FMC1.6 $\,$

Push rod and nut C-FMR1.015

Palm press button for concealed flushvalve C-KM9.14







KF3.402PR - TOILET FLUSHVALVE

Concealed type, back entry toilet flushvalve with prison secure pushbutton flush activation. With pan connector. SANS 1240

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders KF valves vandal resistant. All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

Prison secure pushbutton flush activation with

through the wall' guide tube.

Suitable for: Institutional installations.

Replaceable piston chamber (top cover assembly).

Integral vacuum breaker prevents back-syphonage. Large inlet for optimum water flow.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

Non-hold open feature - cannot be MADE to waste water.

An inexpensive seal kit allows for complete overhaul. All wearing parts can be replaced - long service life.

Water Supply Requirements

Recommended optimum design pressures.

- Inlet flow pressure: 30 300kPa.
- Maximum system pressure: 300kPa. 105 Ltrs/min.

Spare Parts

Rubber pan connector C-FMV8.3

Piston assembly C-FM8.30 Double cap seal C-FMV1.1

Plunger assembly C-FM8.60

Top cover assembly C-FMC1.2

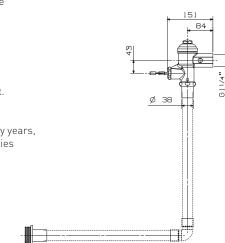
Headpart C-FM8.32

Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

Captive flush activator and linkage for push rod assembly C-FMC1.6 Prison secure push rod, push button and 'through the wall' guide

tube assembly C-KM9.19





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KF3.412 - TOILET FLUSHVALVE

Standard econo-flushvalve with front access box, back entry installation, pan connector, front access box with palm press pushbutton.

Stainless steel face plate. SANS 1240.

Includes

Traditional tried and tested flush valve.

Constant flush volume saves water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders KF valves vandal resistant.

All components are made from specially selected materials

to ensure long service life.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

No cistern fill up noise.

For high pressure installations.

Flush valve housed in metal box.

Access for maintenance via faceplate.

Stainless steel faceplate with chrome plated palm press push button. Suitable for new ductless buildings like office blocks,

hotels, cinemas, etc.

Traditional tried and tested flush valve.

Constant flush volume saves water.

Integral vacuum breaker -prevents back syphonage. Non-hold open feature - cannot be MADE to waste water.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders KF valve vandal resistant. All components are made from specially selected materials

to ensure long service life.

Size allows for space saving, compact installations.

Flush time can be pre-set to ensure an optimum flush and water saving.

No cistern fill up noise.

Hygienic and easy to clean.

Should you require replacement components, even after many years,

you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Replaceable piston chamber (top cover assembly).

Large inlet for optimum water flow.

Flush volume and flow rate can be adjusted.

Hard wearing piston body for long service life.

An inexpensive seal kit allows for complete overhaul. All wearing parts can be replaced - long service life.

Flushpipes

Flushpipe FMT3.4CP

Elbow connector C-FM8.45

Water Supply Requirements

Recommended optimum design pressures

- Inlet flow pressure: 30 - 300kPa

- Maximum system pressure: 300kPa 105 Ltrs/min

Spare Parts

Flushpipe FMT3.4CP, Elbow connector C-FM8.45

Rubber pan connector C-FMV8.3, Piston assembly C-FM8.30 Double cap seal C-FMV1.1, Plunger assembly C-FM8.60

Control stop assembly C-FMC1.3, Top cover assembly C-FMC1.2 Headpart C-FM8.32, Washer kit C-FM8.50

Flush pipe coupling nut C-FM8.14

Captive flush activator and linkage for pushrod assembly C-FMC1.6

Push rod and nut C-FMR1.015

Palm press button for front access box flushvalve C-KM9.16



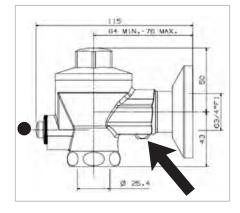
Flushvalves Basic Installation Requirements

- 1) Flushmaster Junior Toilet Flush valves are suitable for operation with flow pressures ranging from 150-500kPa (back-entry WC) and 200-500kPa (top-entry WC);
- 2) Flushmaster Junior Urinal Flush valves are suitable for operation with flow pressures ranging from 30-300kPa (inlet);
- 3) The water supply system should be designed so as to yield a minimum flow-rate at each valve. The minimum flow-rate requirement for a Flushmaster toilet flush valve: 105l/min. The minimum flow-rate required for a Flushmaster urinal flush valve: varies (depending on the type of urinal used);
- 4) Valves must be accessible for maintenance/ servicing and a suggested minimum clearance of 60mm is required above the unit for this purpose;
- 5) The outlet of the Flush valve must face vertically downwards;
- 6) Please consult the table below:

MIN STATIC PRESSURE @ WATERMETER	MAX LENGTH OF PIPE (M) BETWEEN FLUSH VALVE AND WATERMAIN
kPa	22mm Pipe
300	3
350	9
400	12
450	14
500	18
550	22
600	29
650	34
700	41

15mm Ø Pipe or 15mm Ø Watermeter must not be used for Toilet Flush valves; Friction loss across a 22mmØ Watermeter has been taken into account (see table above); Maximum distance as indicated may be increased by 25%, if PVC/ HDPE pipe is used; The table is illustrative of single storey domestic applications only and for any other installations, you should consult your Plumber or suitably qualified person to do so.

Valve Setting



- 1) The flow-rate, cycle time and flow pressure in Flush valves can be adjusted at the ball-o-stop screwdriver slot (indicated by arrow on line drawing, on the left);
- 2) The ball-o-stop setting should be such that there is no splashing whilst ensuring an adequate flush to clear the pan/ urinal;
- 3) Flush time can be adjusted by loosening the grub screw under the push button and rotating the knulled button surround 180° (indicated by black dot on line drawing on the left).

Flushvalves Basic Installation Requirements

Maintenance of the Flushvalve

When To Clean The Flushvalve:

Flushvalve not closing due to foreign matter between the seat pipe and the diaphragm or under the relief valve; The by-pass assembly is blocked.

Removal Of The Valve Components:

Close the ball-o-stop or stop cock; Unscrew the cover; Remove the piston; To dismantle the piston, unscrew the relief valve top screw and remove the relief valve and relief valve washer.

Cleaning Procedure:

Gently clean the top of the seat pipe, the underside of the diaphragm, the relief valve washer and the relief valve seat within the piston plate; The by-pass assembly and if blocked can be cleaned with a needle.

Checking Valve Performance:

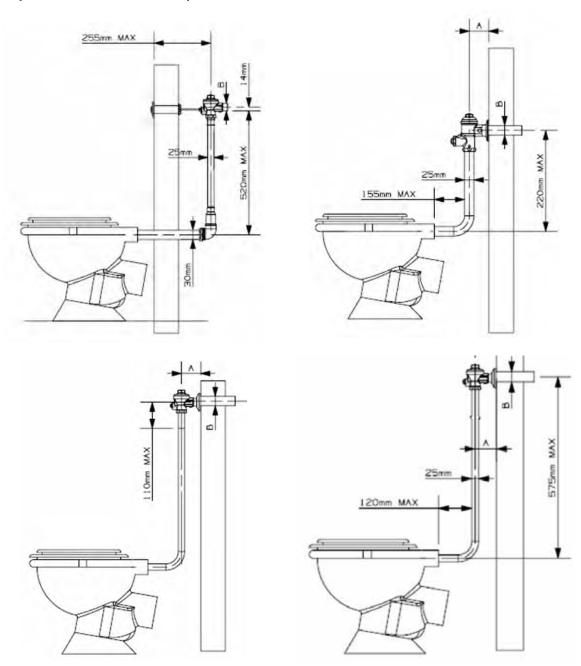
When operating the Flushmaster Junior Toilet Flushvalve, the valve yields +-6.5l/ flush cycle and the Flushmaster Junior Urinal Flushvalve yields +-1.8l/ flush cycle; The period of flow for urinal flushvalves should ideally range 5-16sec and for the toilet flushvalve 1-6sec; The flushvalve has a non-hold open feature.

Fault Finder

PROBLEM	CAUSE	ACTION TO BE TAKEN
Poor flow Excessive flush time Valve not shutting off	Dirt in by-pass, valve seat or relief valve seat	Follow cleaning instructions
Poor/ excessive flow of water Flush time too long/ short	Incorrect ball-o-stop setting	Adjust ball-o-stop
Excessive flush time and/ or poor flow Valve not closing off Non hold-open feature not working	Inadequate supply pressure	Consult table1 or your Plumber or any suitable qualified person able to calculate system pressures and water supply
Flush time too short/ long	Faulty by-pass By-pass blocked	Clean/ replace by-pass
Water hammer	Air in the system	Fit air release valve
Valve leaking into pan	Diaphragm/ relief valve washer damage	Insert new piston assembly
Valve leaking at air inlet point	Back pressure from pan due to blockage	Clean pan inlet ports

1.1 Schematic Showing Recommended Installation for Toilet Valves

Back Entry Toilet Installation & Options -



Flushpipes -

FJT1.1 Flush pipe for back entry toilets Bent toilet flush pipe Ø25.4mm x 640mm x 140mm

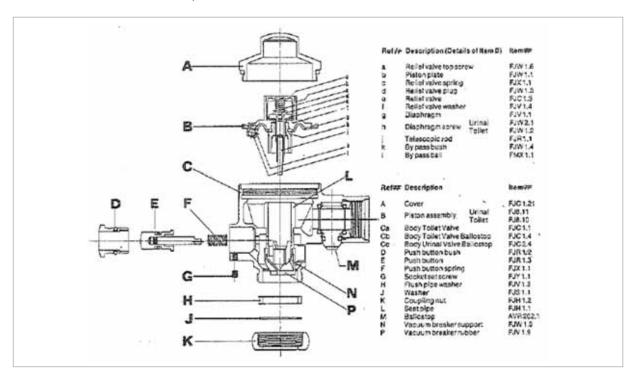
F JT1.5 Flush pipe for back entry toilets far from the wall Bent toilet flush pipe Ø25.4mm x 610mm x 356mm

3.1 Checking Valve Performance

When operating the Flushmaster junior toilet flushvalve, the valve yields +-6.5l/ flush cycle and the Flushmaster junior urinal flushvalve yields +-1.8l/ flush cycle;

The period of flow for urinal flushvalves should ideally range 5-16sec and for the toilet flushvalve 1-6sec;

The flushvalve has a non-hold open feature;



5. Warranty Statement

All Cobra products are backed by a guarantee against defective materials and workmanship during the manufacturing process.

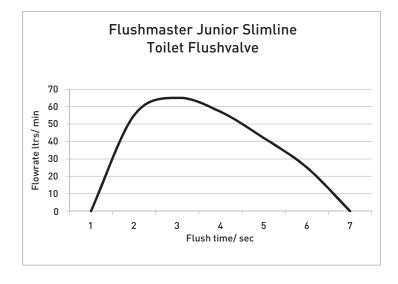
Our products are backed by a Service Department and, most importantly, a full range of replacement parts is available from plumber's merchants.

The same commitment that goes into designing and manufacturing a quality product also goes into ensuring the quality of the service back-up at every stage of design and installation.

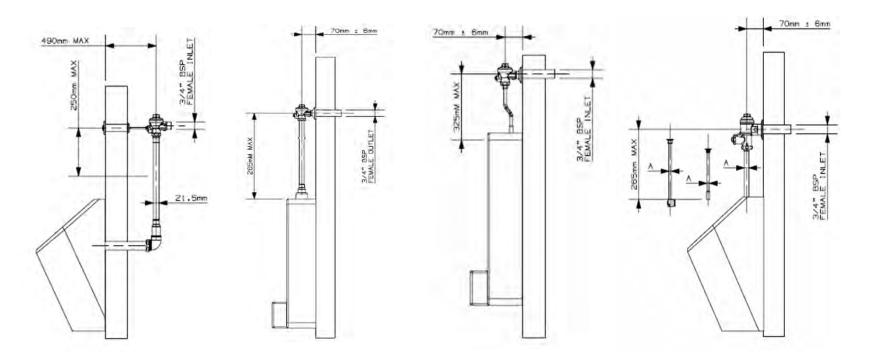
The warranty will be applicable for a period of 2 years against factory faults.

6. Flowrates of the Flushvalves

Toilet Flushvalve -



1.1 Schematic Showing Recommended Installation For Urinal Valves



Flushpipes -

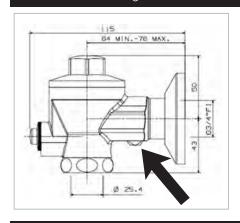
FJT5.1 Flush pipe for stall urinal, where sparge pipe is used Straight urinal flush pipe Ø25.4mm x 228mm x 22mm

1.2 Basic Installation Requirements

- 1) Flushmaster junior urinal flushvalves are suitable for operation with flow pressures ranging from 30-300kPa (inlet);
- 2) The water supply system should be designed so as to yield a minimum flow-rate at each valve. The minimum flow-rate requirement for a Flushmaster toilet flushvalve: 60l/ min. The minimum flow-rate required for a Flushmaster urinal flushvalve: varies (depending on the type of urinal used);
- 3) Valves must be accessible for maintenance/ servicing and a suggested minimum clearance of 60mm is required above the unit for this purpose;
- 4) The outlet of the Flushvalve must face vertically downwards;
- 5) Please consult the table on the following page

MIN STATIC PRESSURE @ WATERMETER	MAX LENGTH OF PIPE (M) BETWEEN FLUSHVALVE AND WATERMAIN
kPa	22mm Pipe
300	3
350	9
400	12
450	14
500	18
550	22
600	29
650	34
700	41

2.2 Valve Setting



- 1) The flow-rate, cycle time and flow pressure in Flushvalves can be adjusted at the ball-o-stop screwdriver slot (indicated by arrow on line drawing, on the left);
- 2) The ball-o-stop setting should be such that there is no splashing whilst ensuring an adequate flush to clear the pan/ urinal;

3. Maintenance of the Flushvalve

When to Clean the Flushvalve -

Flushvalve not closing due to foreign matter between the seat pipe and the diaphragm or under the relief valve. The by-pass assembly is blocked;

Removal of the Valve Components

Close the ball-o-stop or stop cock;

Unscrew the cover;

Remove the piston;

To dismantle the piston, unscrew the relief valve top screw and remove the relief valve and relief valve washer;

Cleaning Procedure

Gently clean the top of the seat pipe, the underside of the diaphragm, the relief valve washer and the relief valve seat within the piston plate;

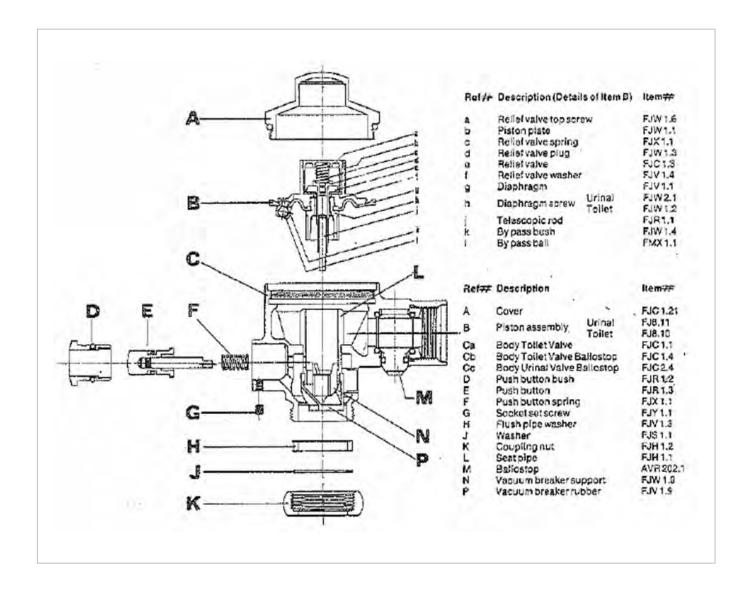
The by-pass assembly and if blocked can be cleaned with a needle.

3.1 Checking Valve Performance

When operating the Flushmaster junior toilet flushvalve, the valve yields +-6.5l/ flush cycle and the Flushmaster junior urinal flushvalve yields +-1.8l/ flush cycle;

The period of flow for urinal flushvalves should ideally range 5-16sec and for the toilet flushvalve 1-6sec;

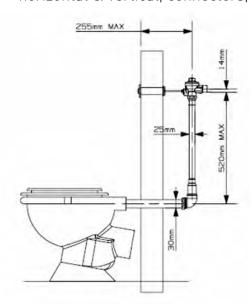
The flushvalve has a non-hold open feature.



1. Back-Entry Installations Complete Solution, Concealed Installation:

Product: FJ4.203

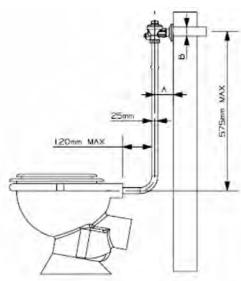
Product description: Junior Flushmaster Toilet Flushvalve; Concealed type; Includes flush pipe horizontal & vertical, connectors, palm press, rubber pan connector, elbow connector, captive linkage.



1.1 Back-Entry Installations Complete Solution, Exposed Installation:

Product: FJ2.100

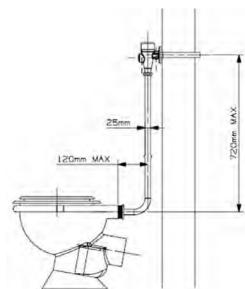
Product description: Junior Flushmaster Toilet Flushvalve; Exposed type; Includes - flush pipe, connector, wall flange, rubber seat buffer, rubber pan connector.



A = 196.70mm 208.70mm

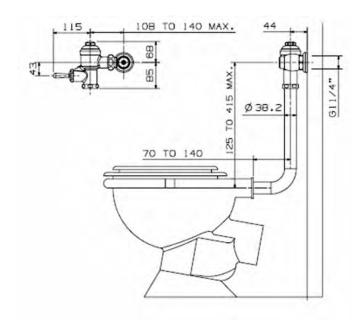
Product: FJS2.100

Product description: Slimline Junior Flushmaster Toilet Flushvalve; Exposed type; Includes flush pipe, wall flange, rubber pan connector, rubber seat buffer.



Product: FM1.100

Product description: Standard Flushmaster Toilet Flushvalve; Exposed type; Includes flush pipe, rubber pan connector.



1.2 Top-Entry Installations - Complete Solution, Exposed Installations:

Product: FJ2.210

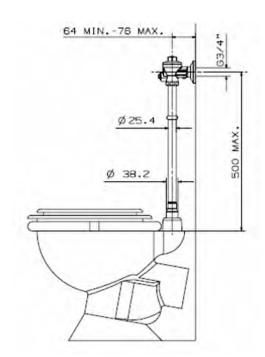
Product description: Junior Flushmaster Toilet Flushvalve; Exposed type; Includes flush pipe, wall flange, compression pan connector, rubber seat buffer, integral vacuum breaker.

Product: FM1.210

Product description: Standard Flushmaster Toilet Flushvalve; Exposed type; Includes flush pipe, rubber pan connector, integral vacuum breaker, wall flange, angle control stop.

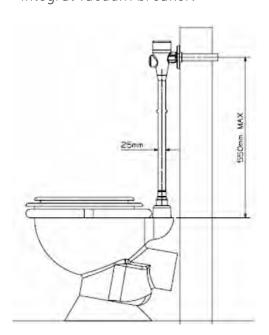
Product: FM2.210

Product description: Standard Flushmaster Toilet Flushvalve; Exposed type; Includes integral vacuum breaker, flush pipe, compression pan connector, wall flange.



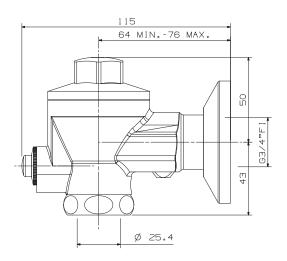
Product: FJS2.210

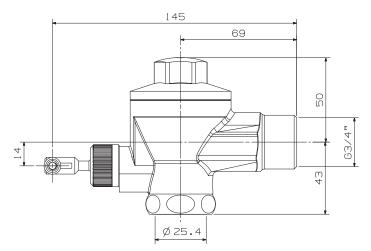
Product description: Slimline Junior Toilet Flushmaster Flushvalve; Exposed type; Includes f lush pipe, wall flange, compression pan connector, rubber seat buffer, integral vacuum breaker.



2. Junior Flushmaster Toilet Flushvalves Toilet Flushvalve Valve Only:

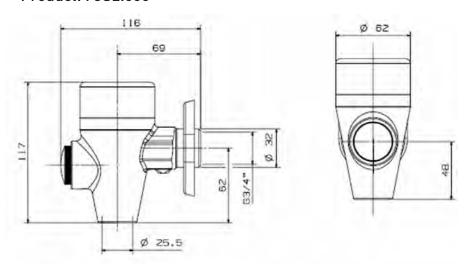
Product: FJ2.000 & FJ2.001 Product: FJ4.001





2.1 Slimline Junior Flushmaster Toilet Flushvalve Toilet Flushvalve Valve Only:

Product: FJS2.000



3. Flush pipes

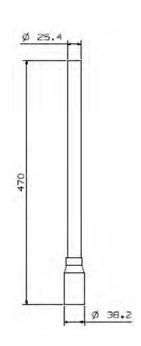
FJT1.1: Bent Toilet Flush pipe; Ø24.4mm inlet; Back-entry toilet; Junior Flushmaster

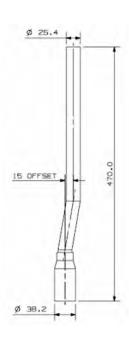
FJT1.2: Straight Toilet Flush pipe; Ø25.4mm inlet; Top-entry toilet; Junior Flushmaster

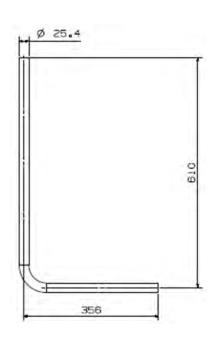
FJT5.7 Offset Toilet Flush pipe; Ø25.4mm inlet; Top-entry toilet; Junior Flushmaster

FJT1.5:
Bent Toilet Flush pipe;
Ø25.4mm inlet;
Back-entry toilet;
Junior Flushmaster









FMT1.1

Bent Toilet flush pipe; Ø38.2mm inlet; Back-entry toilet; Standard Flushmaster

FMT1.2

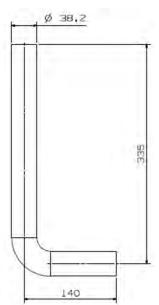
Ø38.2mm inlet; Standard Flushmaster

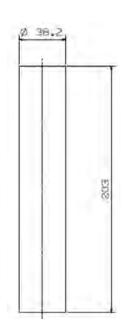
FMT1.3

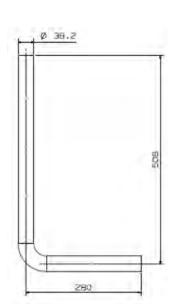
Straight Toilet Flush pipe; Bent Toilet flush pipe; Ø38.2mm inlet; Back-entry toilet; Standard Flushmaster

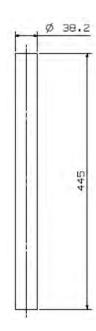
FMT3.4CP

Straight Toilet Flush pipe; Ø38.2mm inlet; Standard Flushmaster



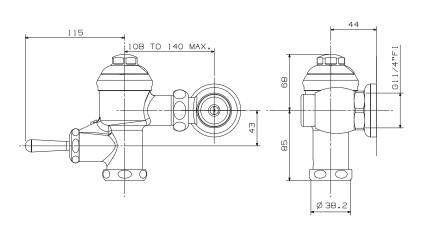


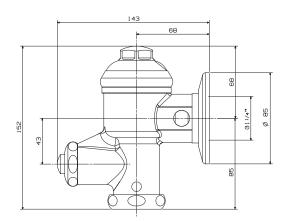




4. Standard Flushmaster Toilet Flushvalves - Toilet Flushvalve Valve Only:

Product: FM1.000





Product: FM2.000

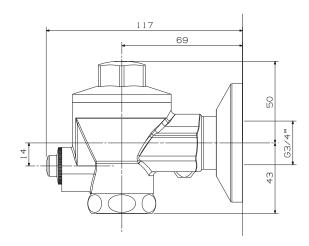
4.1 Flushmaster Urinal Flushvalve - Urinal Flushvalve Valve Only:

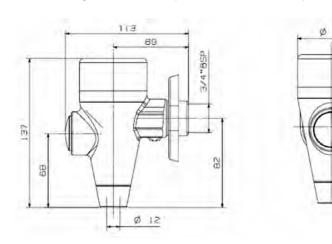
Product: FJ6.000 & FJ6.001

Product description: Junior Flushmaster Urinal Flushvalve; Exposed type; Includes wall flange, additional toilet piston screw, ball-o-stop.

Product: JFS6.000

Product description: Slimline Junior Flushmaster Urinal Flushvalve; Exposed type; Includes wall flange, ball-o-stop, additional toilet piston screw.





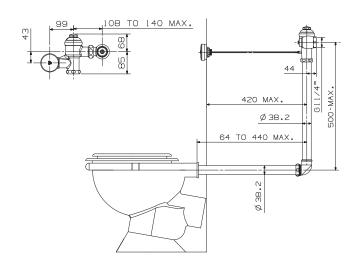
5. Purpose-built Application Products & Combinations5.1 Back-entry Installations Complete Solution, Concealed Installations:

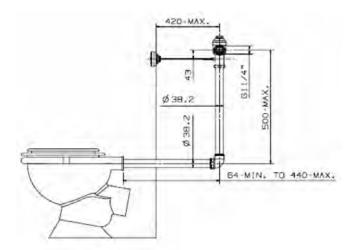
Product: FM3.402

Product description: Standard Flushmaster Toilet Flush valve; Concealed type; Back-entry toilets; Includes p alm press pushbutton assembly with pushrod, elbow connector, control stop, vertical flushpipe, horizontal flushpipe, rubber pan connector.

Product: KF3.402

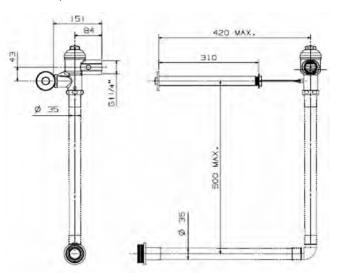
Product description: Standard Flushmaster Toilet Flush valve; Concealed type; Back-entry toilets; Includes p alm press pushbutton assembly with pushrod, vertical flushpipe, horizontal flushpipe, elbow connector, rubber pan connector.





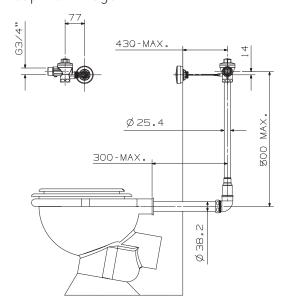
Product: KF3.402PR

Product description: Standard Flushmaster Toilet Flushvalve; Concealed type; Back-entry toilet; Includes vertical flush pipe, horizontal flush pipe, elbow connector, vandal resistant guide tube, push button assembly and push rod, rubber pan connector.



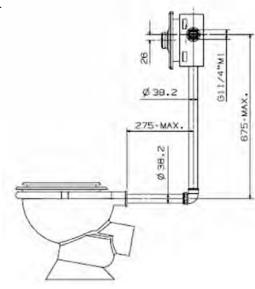
Product: FJ4.203

Product description: Junior Flushmaster Toilet Flushvalve; Concealed type; Back-entry toilet; Includes v ertical flush pipe, horizontal flush pipe, elbow connector, palm press push button assembly with push rod, captive linkage.



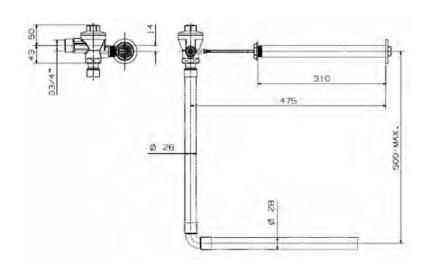
Product: KF3.412

Product description: Standard Flushmaster Toilet Flushvalve; Back-entry toilet; Includes galvanised steel undertile installation box, stainless steel faceplate, palm press button, vertical flush pipe, horizontal flush pipe, flush pipe elbow, rubber pan connector.



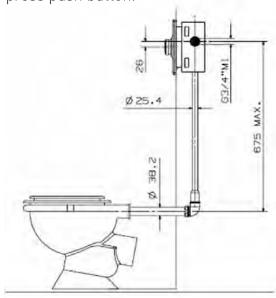
Product: FJ4.203PR

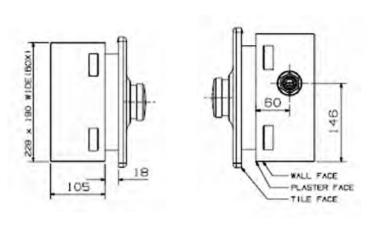
Product description: Junior Flushmaster Toilet Flushvalve; Concealed type; Back-entry toilet; Vandal resistant guide tube push button assembly; Includes vandal resistant guide tube, push button assembly with push rod & captive linkage, rubber pan connector.



Product: KF4.213

Product description: Junior Flushmaster Toilet Flushvalve; Front access box, Back-entry toilet; Includes v ertical flush pipe, horizontal flush pipe, elbow connector, front access box with palm press push button.

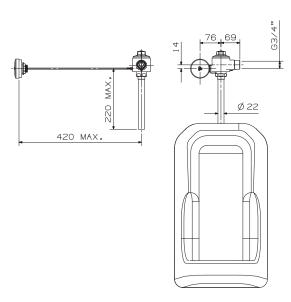




5.2 Urinal Flushvalves Complete Solution Concealed Installation:

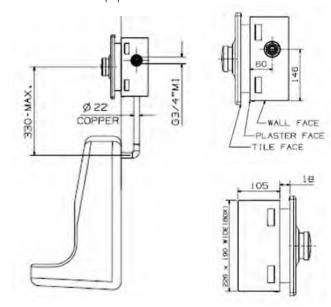
Product: FJ8.102

Product description: Junior Flushmaster Urinal Flushvalve; Concealed type; Palm press push button assembly; Includes flush pipe, captive linkage, palm press push button assembly.



Product: KF8.112

Product description: Junior Flushmaster Urinal flushvalve; Galvanised steel front access installation box; Includes p alm press push button, front access box, tailpipe, faceplate, horizontal flush pipe.



5.2.1 Flush pipes

FJT5.1

Straight Urinal Flush pipe; Junior Flushmaster; Ø25.4mm inlet, Ø22mm outlet x 228mm

6. Additional Flush pipe Options 6.1 Urinal Flush pipes

FJT5.4

Straight Urinal Flush pipe Offset urinal flush pipe; Junior Flushmaster Urinal Flush valve; Back-mounted spreader; Ø12mm tube, Ø12mm tube x 275mm

FJT5.5

Junior Flushmaster Urinal Flushvalve;

FJT5.8

Straight Urinal Flush pipe; Junior Flushmaster Urinal Flushvalve; Ø12mm tube, Ø15mm outlet x 215mm Ø15mm outlet x 217mm

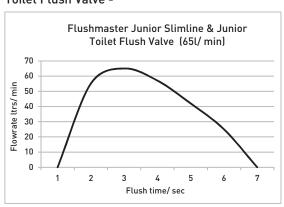


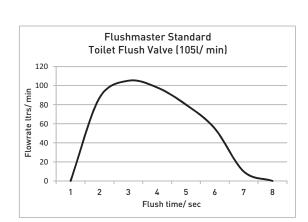


12. Flowrates of the Flush Valves

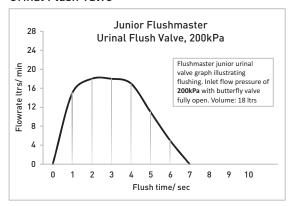


Toilet Flush Valve -

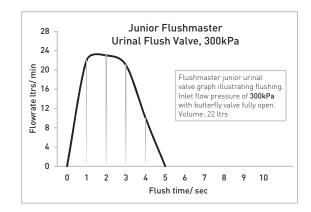




Urinal Flush Valve

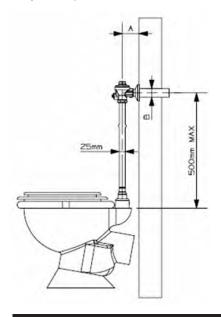


12. Flowrates of the Flush Valves



1.1 Schematic Showing Recommended Installation for Toilet Valves

Top Entry Toilet Installation & Options



Flush pipes

F JT1.2

Flush pipe for top entry toilets; Straight toilet flush pipe; Ø38.2mm (outlet) x 470mm x Ø25.4mm (inlet)

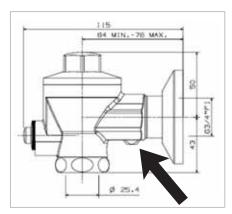
2.1 Basic Installation Requirements

- 1. Flushmaster junior toilet flushvalves are suitable for operation with flow pressures ranging from 150-500kPa (back-entry WC) and 200 500kPa (top-entry WC);
- 2. Flushmaster junior urinal flushvalves are suitable for operation with flow pressures ranging from 30-300kPa (inlet);
- **3.** The water supply system should be designed so as to yield a minimum flow-rate at each valve. The minimum flow-rate requirement for a Flushmaster toilet flushvalve: 105/min. The minimum flow-rate required for a Flushmaster urinal flushvalve: varies (depending on the type of urinal used);
- **4.** Valves must be accessible for maintenance/ servicing and a suggested minimum clearance of 60mm is required above the unit for this purpose;
- **5.** The outlet of the Flushvalve must face vertically downwards;
- **6.** Please consult the table below:

MIN STATIC PRESSURE @ WATERMETER	MAX LENGTH OF PIPE (M) BETWEEN FLUSH VALVE AND WATERMAIN
kPa	22mm Pipe
300	3
350	9
400	12
450	14
500	18
550	22
600	29
650	34
700	41

Ø 15mm Pipe or Ø 15mm Watermeter must not be used for Toilet Flushvalves; Friction loss across a Ø 22mm Watermeter has been taken into account (see table above); Maximum distance as indicated may be increased by 25%, if PVC/ HDPE pipe is used; The table is illustrative of single storey domestic applications only and for any other installations, you should consult your Plumber or suitably qualified person to do so;

2.2 Valve Setting



- The flow-rate, cycle time and flow pressure in Flushvalves can be adjusted at the ball-o-stop screwdriver slot (indicated by arrow on line drawing on the left);
- 2) The ball-o-stop setting should be such that there is no splashing whilst ensuring an adequate flush to clear the pan/ urinal;

3. Maintenance of the Flushvalve

When to Clean the Flushvalve -

Flushvalve not closing due to foreign matter between the seat pipe and the diaphragm or under the relief valve. The by-pass assembly is blocked;

Removal of the Valve Components

Close the ball-o-stop or stop cock;

Unscrew the cover;

Remove the piston;

To dismantle the piston, unscrew the relief valve top screw and remove the relief valve and relief valve washer;

Cleaning Procedure

Gently clean the top of the seat pipe, the underside of the diaphragm, the relief valve washer and the relief valve seat within the piston plate;

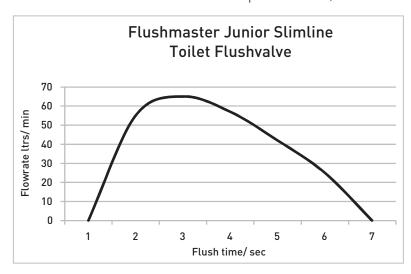
The by-pass assembly and if blocked can be cleaned with a needle

Cleaning the Flushmaster Flushvalve Body -

The appearance of the Flushmaster flushvalve body will be enhanced by regular cleaning. Use a soft cloth in order not to scratch the surface of the Flushmaster flushvalve body. Harsh chemicals such as scrubbing powders or ammonia - may damage or tarnish the surface of the Flushmaster flushvalve body, so only use a warm soapy solution.

3.1 Checking Valve Performance

When operating the Flushmaster junior toilet flushvalve, the valve yields +-65l/ flush The period of flow for the toilet flushvalve 1-6sec; The flushvalve has a non-hold open feature;



4. Fault Finder

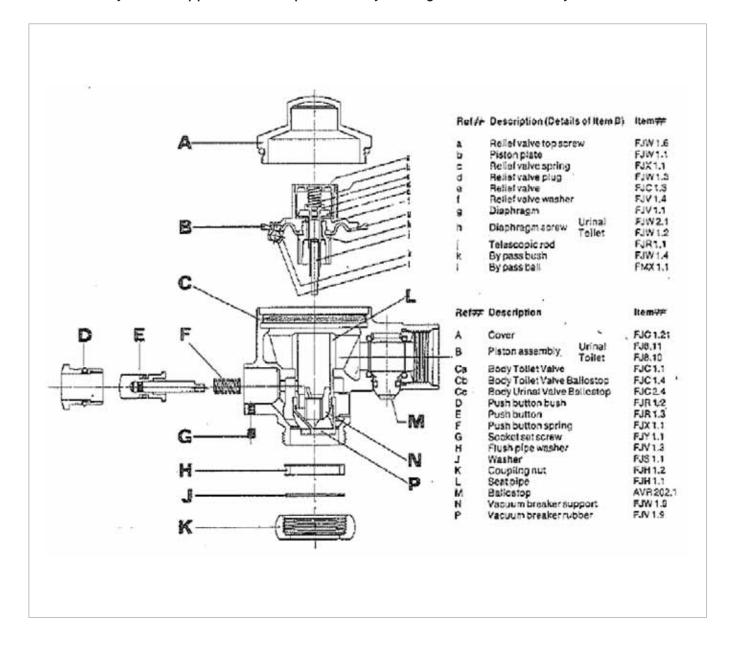
PROBLEM	CAUSE	ACTION TO BE TAKEN
Poor flow Excessive flush time Valve not shutting off	Dirt in by-pass, valve seat or relief valve seat	Follow cleaning instructions
Poor/ excessive flow of water Flush time too long/ short	Incorrect ball-o-stop setting	Adjust ball-o-stop
Excessive flush time and/ or poor flow Valve not closing off Non hold-open feature not working	Inadequate supply pressure	Consult table1 or your Plumber or any suitable qualified person able to calculate system pressures and water supply.
Flush time too short/ long	Faulty by-pass By-pass blocked	Clean/ replace by-pass
Water hammer	Air in the system	Fit air release valve
Valve leaking into pan	Diaphragm/ relief valve washer damage	Insert new piston assembly
Valve leaking at air inlet point	Back pressure from pan due to blockage	Clean pan inlet ports

5. Warranty Statement

All Cobra products are backed by a guarantee against defective materials and workmanship during the manufacturing process. Our products are backed by a Service Department and, most importantly, a full range of replacement parts is available from plumber s merchants.

The same commitment that goes into designing and manufacturing a quality product also goes into ensuring the quality of the service back-up at every stage of design and installation.

The warranty will be applicable for a period of 2 years against Cobra factory faults.



Basic Installation Guide

FM1.000, Standard Manual Flushmaster Flushvalve

Please take note that the following fixtures/ installations should be completed before installing the flushwalve:

Water closet (toilet) or Urinal Drain line Waste pipes Water supply line

The water supply line should be ideally installed in a brick wall (110mm or 230mm) and the piping should be chased into the wall. The water supply line should then be plastered/ tiled closed. This will prevent unnecessary movement of the flushmaster flushvalve when operated.

IMPORTANT NOTE:

All plumbing is to be installed according to the applicable regulations, rules, codes and procedures;

Water supply lines and piping must be sized to provide the adequate volume of water for every flush cycle (60l/ min);

Take note of the minimum required operating pressure (30 300kPa) of the device (a pressure pump may be installed to increase the water supply pressure to the minimum required/ desired levels);

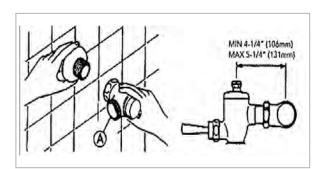
Take care not to exceed the maximum operating pressure (600kPa) for the specific device (a PRV pressure reducing valve) can or should be installed on the main water supply line to balance the water pressure;

Flush all water line prior to installation to clear it of any potential debris;

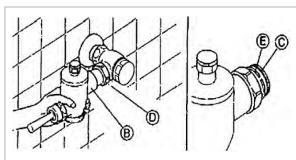
Do not use any toothed tools to install or service the flushmaster flushvalve this will result in marring/ scratching of the device.

Basic Installation Guide

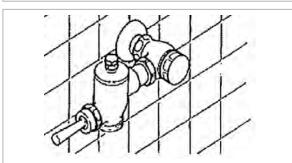
INSTALLATION PROCEDURE (for the installation of the Flush pipe):



1) Install the control stop assembly (BC-FM8.60)
 - A - and wall flange. PFT-tape or hemp should be used on the male threads to create a leak-free coupling.



2) Prior to inserting the flushmaster flushvalve tailpiece - B - (the end which inserts into the control stop assembly), take note that the o-ring seal - C - is located in the o-ring seal groove (see the end of the tailpiece) and that the lock nut - D - and double cap seal - E-are located and positioned as shown.



3) Insert the flusmaster flushvalve tailpiece into the control stop assembly and hand-tighten the lock nut to the stop control assembly. Plumb the entire unit now.

ADDITIONAL REQUIREMENTS:

- a. Flush pipe (FMT1.1) to connect the flushmaster flushvalve to the toilet back entry.
- **b.** Rubber pan connector (C-FMV8.3) to enable a leak free/ odour free connection between the flush pipe and the water closet (toilet).
- c. Flush pipe (FMT1.2) to connect the flushmaster flushvalve to the water closet (toilet) top entry.

SPARES AVAILABLE:

- 1. Piston assembly (C-FM8.30)
- 2. Plunger assembly (C-FM8.60)
- **3.** Control stop assembly (C-FMC1.3)
- **4.** Top cover assembly (C-FMC1.2)
- 5. Headpart (C-FM8.32)
- 6. Washer kit (C-FM8.50)
- 7. Flush pipe coupling nut (C-FM8.14)
- 8. Handle seal (C-FM8.70)
- 9. Handle & Nut assembly (C-FMC1.5)

Basic Installation Guide

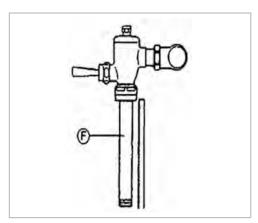
INSTALLATION PROCEDURE, CONTINUED (for the installation of the Flush pipe):

FMT1.1 - 38.2mm (BENT); 335mm (VERTICAL LENGTH); 140mm (HORIZONTAL LENGTH)

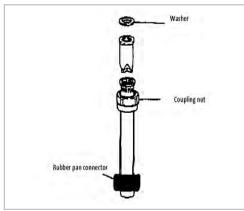
FMT1.2 - 38.2mm (STRAIGHT); 203mm (VERTICAL LENGTH)

FMT1.3 - 38.2mm (BENT); 508mm (VERTICAL LENGTH); 280mm (HORIZONTAL LENGTH)

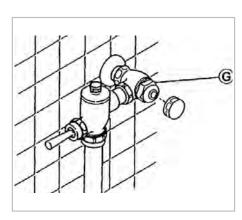
FMT3.4CP - 38.2mm (STRAIGHT); 445mm (VERTICAL LENGTH)

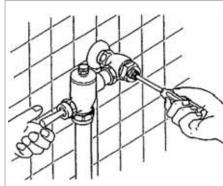


4) Determine the length of the flush pipe/ vacuum breaker tube - F. This pipe is required to connect the flush-master flushvalve and the water closet (toilet) and as indicated above, it comes in various lengths (vertical and bent).



5) Hand-tighten the coupling nut at the insertion of the flushpipe to the flushmaster flushvalve and insert the rubber pan connector into the opening of the water closet (toilet). Ensure that the rubber pan connector fits tightly and insert it fully to establish a proper seal.





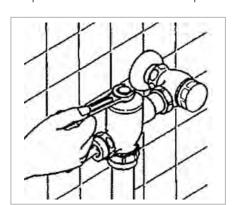
6) Before the water supply is turned on, ensure all stop valves to the flushmaster flushvalve are closed off properly. The stop valves can be opened/ closed/ adjusted using the adjustment screw (at the centre of the control stop assembly) - G.

If for any reason the control stop valve needs to be removed completely, ensure that the water supply is turned off completely.

Basic Installation Guide

For new installations and servicing of the cartridge:

- **a.** Close off the water supply.
- **b.** Lift out the piston valve/ cartridge.
- **c.** Re-fit the flushmaster flushvalve top cover open the water supply gradually to flush out potential debris and impurities in the water supply.



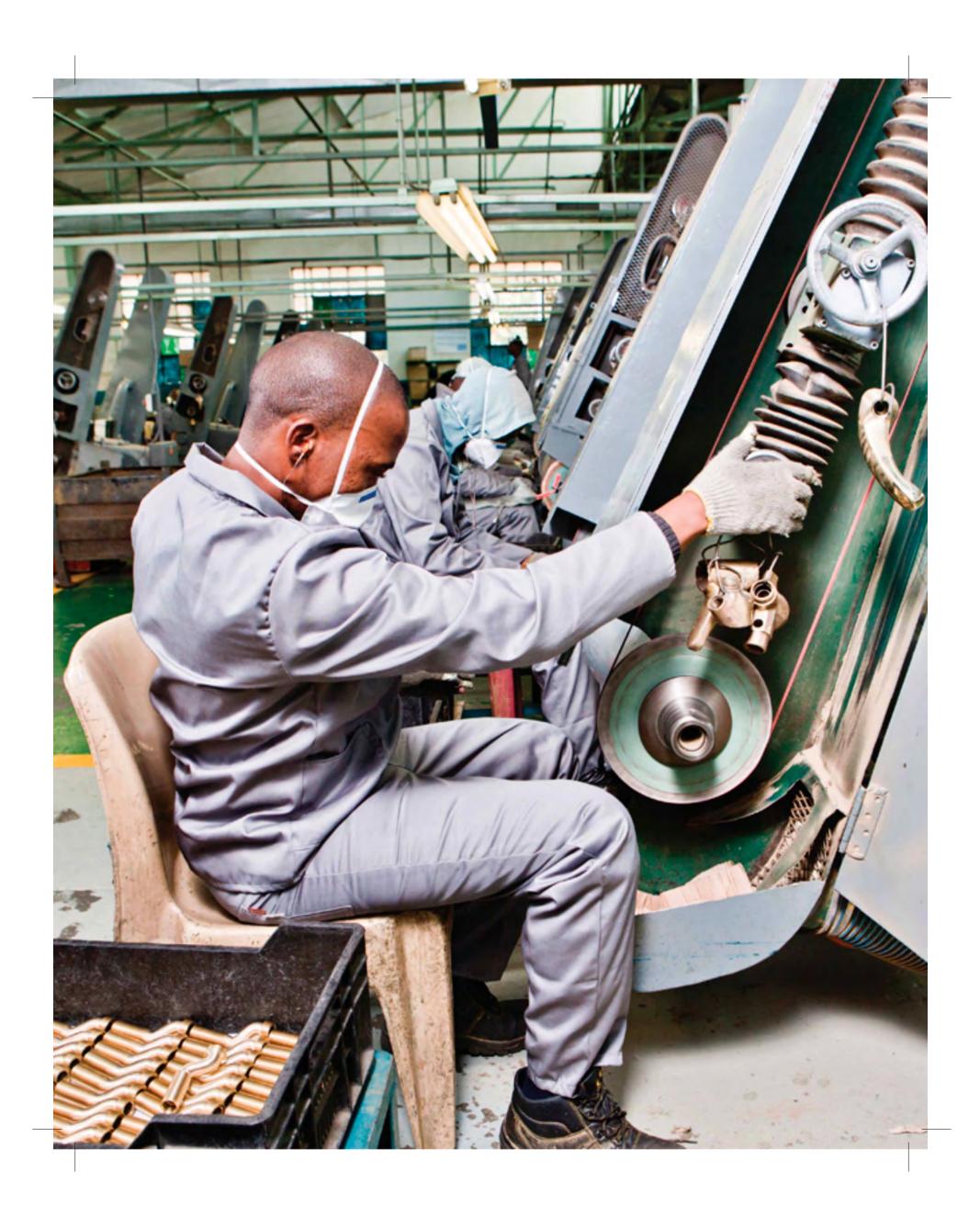


After completion:

- **a.** Close the control stop valve (or alternative stop valves).
- **b.** Remove the flushmaster flushvalve top cover again.
- **c.** Re-fit the piston/ cartridge and secure properly.
- **d.** Open the control stop valve (or alternative stop valves).

Installation/ Functioning Problems:

PROBLEM	CAUSE	SOLUTION
Valve does not operate	Water supply	Check water supply
Valve does not shut off	Dirt in piston bypass Dirt/ debris at valve seat Dirt/ debris at sealing area	Clean bypass groove (*) Clean valve seat Clean piston * BYPASS GROOVE
Insufficient water	Incorrect flushmaster for application Control stop valve incorrectly installed Piston damaged Piston stroke too short	Check requirements Adjust control stop valve Replace piston Turn piston adjustment screw anti-clockwise
Too much water Noisy flush	Incorrect flushmaster for application Control stop valve improperly adjusted Piston stroke too long	Check requirements Adjust screw at control stop valve clockwise Turn piston adjustment screw clockwise
Lever assembly leaks	Lever nut is loose Fibre washer damaged U-packing dirty	Tighten nut Replace washer Disassemble lever & clean u-packing





KM2.102 - PILLAR TAP

Demand pushbutton pillar tap with raised nose. With hot and cold indices. 1/2" BSP Male connection end. SANS 1808-66.

Features and Benefits

Excellent water saving product.

Fitted with 316L stainless steel spindle for high use,

high wear installations.

Tap turns off immediately when the button is released, taps cannot $% \left(1\right) =\left(1\right) \left(1\right)$ be left running unattended.

Can be easily installed in place of conventional taps.

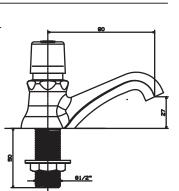
Particularly suitable for public place washrooms, caravan sites, camping sites, schools, hospitals, offices, etc.

Chrome plated finish.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Blue head part complete S-KM9.201B Red head part complete S-KM9.201R Connection back nut 088-15





KM2.202-15 - BIB TAP

Demand pushbutton bib tap with flow straightener and hot & cold indices. $\frac{1}{2}$ BSP Male connection end. SANS 1808-66.

Features and Benefits

Excellent water saving product.

Fitted with 316L stainless steel spindle for high use, high wear installations.

Tap turns off immediately when the button is released,

taps cannot be left running unattended. Can be easily installed in place of conventional taps.

Particularly suitable for public place washrooms, caravan sites,

camping sites, schools, hospitals, offices, etc.

Chrome plated finish.

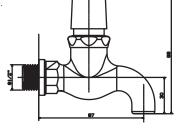
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to

ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Spare Parts

Blue head part complete S-KM9.201B Red head part complete S-KM9.201R



Note: It is recommended to fit a pressure control valve and in-line strainer to demand valve installations. These fittings are not recommended where water pressure exceeds 200kPa.





KM2.202-20 - BIB TAP

Demand pushbutton bib tap with flow straightener and hot & cold indices. 3/4" BSP Male connection end. SANS 1808-66.

Features and Benefits

Excellent water saving product.

Fitted with 316L stainless steel spindle for high use,

high wear installations.

 $\ensuremath{\mathsf{Tap}}$ turns off immediately when the button is released,

taps cannot be left running unattended.

Can be easily installed in place of conventional taps.

Particularly suitable for public place washrooms, caravan sites,

camping sites, schools, hospitals, offices, etc.

Chrome plated finish.

Should you require replacement components,

even after many years, you are assured of availability

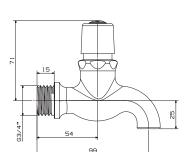
of components or sub-assemblies to ensure the continued

operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Spare Parts

Blue head part complete S-KM9.201B Red head part complete S-KM9.201R





KM2.203-15 - BIB TAP

Demand pushbutton bib tap with flow straightener and hot & cold indices. Rough brass. ½ BSP Male connection end. SANS 1808-66.

Features and Benefits

Excellent water saving product.

Fitted with 316L stainless steel spindle for high use,

high wear installations.

Tap turns off immediately when the button is released,

taps cannot be left running unattended.

Can be easily installed in place of conventional taps.

Particularly suitable for public place washrooms, caravan sites,

camping sites, schools, hospitals, offices, etc. Chrome plated finish.

Should you require replacement components, even after many years,

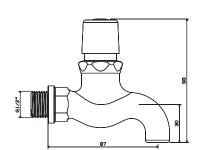
you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Spare Parts

Blue head part complete S-KM9.201B Red head part complete S-KM9.201R



Note: It is recommended to fit a pressure control valve and in-line strainer to demand valve installations. These fittings are not recommended where water pressure exceeds 200kPa.





KM2.203-20 - BIB TAP

Demand pushbutton bib tap with flow straightener and hot & cold indices. Rough brass. 34" BSP Male connection end. SANS 1808-66.

Features and Benefits

Excellent water saving product.

Fitted with 316L stainless steel spindle for high use,

high wear installations.

Tap turns off immediately when the button is released,

taps cannot be left running unattended.

Can be easily installed in place of conventional taps. Particularly suitable for public place washrooms, caravan sites,

camping sites, schools, hospitals, offices, etc.

Chrome plated finish.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to

ensure the continued operation of your Cobra fittings.

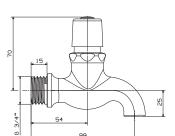
Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Spare Parts

Blue head part complete S-KM9.201B

Red head part complete S-KM9.201R





KM2.302 - STOP TAP

 $\label{eq:definition} \mbox{Demand pushbutton exposed stop tap with raised nose.}$ With hot and cold indices. $\frac{1}{2}$ BSP Female connection ends. SANS 1808-66.

Features and Benefits

Excellent water saving product.

Fitted with 316L stainless steel spindle for high use,

high wear installations.

Tap turns off immediately when the button is released,

taps cannot be left running unattended.

Can be easily installed in place of conventional taps.

Particularly suitable for public place washrooms, caravan sites, camping sites, schools, hospitals, offices, etc.

Chrome plated finish.

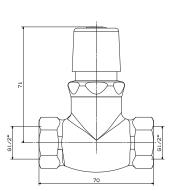
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to

ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Red head part complete S-KM9.201R.

Chrome Plated. Spare Parts Blue head part complete S-KM9.201B.



Note: It is recommended to fit a pressure control valve and in-line strainer to demand valve installations. These fittings are not recommended where water pressure exceeds 200kPa.



Designed for use in washrooms from hotels to factories, garages or public toilets. Cobra demand bib and pillar type taps can be easily installed in the place of conventional taps, due to their standard thread and simple design. Demand taps are extremely good water savers as they cannot be left open and will only deliver water 'on demand'.

These taps dispense water only whilst the push button is depressed. The tap will immediately close when the push button is released. The tap is therefore suitable for washing using one hand only at a time.

Cobra demand taps have been built especially tough with 316L stainless steel spindles to deal with high use, boisterous installations.

Cobra demand headparts are available as spares and can be retro-fitted to Cobra SABS 226 class 1 taps, even if these Cobra taps are 50 years old!

It is recommended that system pressures are reduced to between 100kPa and 200 kPa to avoid any water hammer and that an in-line strainer is fitted in the system.

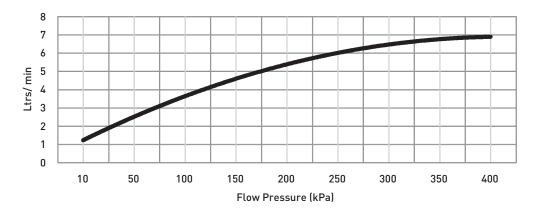
All working parts in Cobra demand taps are contained in one easily removable headpart which makes for simple servicing. The headparts are interchangeable between all range items so spares stockholdings is reduced.



Demand Taps Range

	. •
ITEM NUMBER	ITEM DESCRIPTION
KM2.102	PUSHBUTTON PILLAR TAP
KM2.202-15	PUSHBUTTON BIB TAP
KM2.202-20	PUSHBUTTON BIB TAP
KM2.203-15	PUSHBUTTON BIB TAP
KM2.203-20	PUSHBUTTON BIB TAP
KM2.302	PUSHBUTTON STOP TAP
KM066WT-114	PUSHBUTTON STOP TAP

Flow Characteristics





Demand Taps - Statutory Compliance





Cobra Demand Taps Are:

SABS approved and bear the SABS-mark;

Made in accordance with our SABS ISO 9001: 2008 Quality Management System

Special Notes:

SANS 10252-1:2004, sec 6.2.3

Unless otherwise required, ablution areas that have a battery of more than three handwash basins or showers shall be provided with a metering or demand type taps or metering type showers.

SANS 10252-1:2004, sec 5.3.1.1

Terminal water fittings installed outside any building other than a residential dwelling, should a) Incorporate a self-closing device, or;

- b) Have a removable handle for operating purposes, or;
- c) Be capable of being locked to prevent unauthorized usage, or;
- d) Be of a demand type that limits the quantity of water discharged in each operation.

Demand Taps - Cleaning & Maintenance

Cleaning

To maintain the lustre of chrome plated surfaces simply wipe occasionally with a soft damp cloth using a mild dishwashing detergent or soap solution. Rinse, then dry and buff with a soft cloth.

Warning!

Many household and industrial cleaners contain abrasives and or harsh chemical compounds and acids. Do not use these cleaners or they may irreparably discolour, dissolve or scuff the chrome plate finish.

Do not use abrasive cloths or scouring pads.

Maintenance

The frequency and extent of maintenance required for this product will vary according to prevailing site and operational conditions. No regular maintenance is required. Spare parts are available for key components.

Cobra Service Call Centre - Contact: 0861 21 21 21

Cobra Service E-Mail: service@cobrawatertech.co.za

Cobra web site: www.cobra.co.za

Warranty

All goods are subjected to approved inspection/test processes prior to dispatch. All goods are warranted to be free of defects in material, workmanship and design at the time of dispatch. Defective goods will be replaced/repaired at our discretion, free of charge at the factory, but we are not liable for any damage of any other nature, including consequential or indirect loss arising from any such defect. Our obligation to repair/replace is in lieu of all and any other liability on our part.

This warranty applies only to correctly installed and maintained goods. Wear and tear considered normal at the locality of the installation is excluded from the ambit of the warranty.

The warranty may be affected under the following conditions:

Water conditions are particularly aggressive either hard, soft or other; Products are not installed by a registered/accredited installer; Hot water supply is in excess of normal domestic water temperature

The warranty is valid for 2 years against Cobra factory faults.

DZR Brass

Dezincification of brass is a critical aspect of the fitness for purpose (quality) of plumbers fitting that is in contact with water. The risk and rate of dezincification increases with water hardness and the acidity or alkalinity of water away from a PH of 7. Dezincification is the name given to the corrosion of brass.

Dezincification resistant brass, or DZR brass, (sometimes designated CR or DR) is the name given to brass that has exceptional resistance to this corrosion. The resistance is imparted by the adherence to SABS specifications for chemical composition and careful process controls.

In order to be called DZR brass each batch must pass an ISO 6509 dezincification resistance laboratory test. SABS/ISO test samples. In South Africa the use of DZR brass for components of brass plumber's fittings that are in contact with water is national law. Building inspectors are being trained to demand the removal of plumber's brassware that does not conform to statutory law.

Cobra Dezincification Resistant Brass

Cobra DZR brass for casting ingot follows the specification of SA alloy code 9A which is a derivative of British Standard DZR brass composition CZ132. In addition to this extra grain refining processes are exerted on the material in the foundry. There is a definite link between grain size and dezincification resistance that is both documented within the industry and has been the subject of extensive study in our two Cobra foundry laboratories. The smaller the grain size the greater the resistance to corrosion.

Cobra brass is refined to the point that individual grains no longer exist and our brass is one homogenous mass. These refining processes are in addition to the composition requirements. Cobra brass for pressing and turning follows the same specification as the casting material but with slight modifications to suit the machining processes to which it will be exerted.

Each of our two brass foundries has its own on-site laboratory equipped with OES spark emission spectrometers. The chemical composition of each production furnace is constantly monitored and kept within the written specification for 14 separate elements. Each Cobra component has a sub-chemical composition specification, which allows for the best composition for a given component within the broader DZR specification.

For example, one head part cover casts best at 0.25% aluminium and another similar item is best at 0.18%. Composition control is maintained in mass production right down to these minuscule amounts.





KM2.100 - PILLAR TAP

Metering pillar tap with non-hold open feature and flow controller. Flow cycle 1-20 secs. $\frac{1}{2}$ BSP Male connection end. SANS 1808-9.

Features and Benefits

Excellent water saving product.

With streamline outlet for flow aesthetics.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs.

All the working parts in this Cobra metering valve are contained in one easily removable cartridge which makes for simple servicing. The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the supply water pressure.

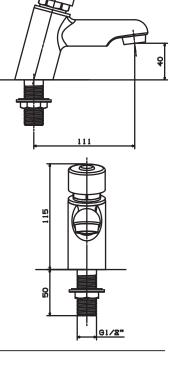
Pressure balanced valves do not have the tendency to cause waterhammer.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Chrome Plated.

Spare Parts

Cartridge repair kit C-KM9.290 Cartridge assembly C-KM9.200



KM2.100FS - PILLAR TAP

Self closing pillar tap. Flow cycle 1-20 secs. $\frac{1}{2}$ male inlet. SANS 1808-9.

Features and Benefits

Back nut and washer.

Modern luxury styling.

Excellent water saving product.

Streamline outlet for flow aesthetics.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

Non-hold open feature.

Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs.

All the working parts in this Cobra metering valves are contained in one easily removable cartridge which makes for simple servicing. The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the

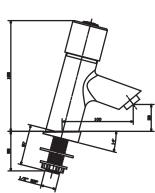
supply water pressure.

Pressure balanced valves do not have the tendency to cause

waterhammer. ½ male inlet.

Spare Parts

Cartridge repair kit C-KM9.290 Cartridge assembly C-KM9.200 Aerator C-M24X1









KM2.101- PILLAR TAP

Metering pillar tap with non-hold open feature and flow controller. Brushed chrome finish. Flow cycle 1-20 secs. ½ BSP Male connection end. SANS 1808-9.

Features and Benefits

Excellent water saving product.

With streamline outlet for flow aesthetics.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs.

All the working parts in this Cobra metering valve are contained

All the working parts in this Cobra metering valve are contained in one easily removable cartridge which makes for simple servicing. The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the supply water pressure.

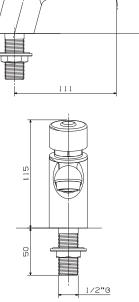
Pressure balanced valves do not have the tendency to cause waterhammer. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Brushed chrome finish.



Cartridge repair kit C-KM9.290 Cartridge assembly C-KM9.200





KM2.200 - BIB TAP

Metering bib tap with non-hold open feature and flow controller. Flow cycle 1-20 secs. $\frac{1}{2}$ BSP Male connection end. SANS 1808-9.

Features and Benefits

Excellent water saving product.

With streamline outlet for flow aesthetics. Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water.

Integral flow controller ensures a constant flow rate from the valve

irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs.

with a subsequent saving in installation material costs.
All the working parts in this Cobra metering valve are contained in one easily removable cartridge which makes for simple servicing.

The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the supply water pressure.

Pressure balanced valves do not have the tendency to cause waterhammer. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

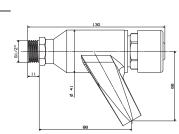
Manufactured from corrosion resistant DZR brass.

Chrome Plated.

Spare Parts

Cartridge repair kit C-KM9.290
Cartridge assembly C-KM9.200

Cartridge assembly C-KM9.200







KM2.201 - BIB TAP

Metering bib tap with non-hold open feature and flow controller. Brushed chrome finish. Flow cycle 1-20 secs.

1/2 BSP Male connection end. SANS 1808-9.

Features and Benefits

Excellent water saving product.

With streamline outlet for flow aesthetics.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs.

All the working parts in this Cobra metering valve are contained in one

easily removable cartridge which makes for simple servicing.

The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective

of the supply water pressure.

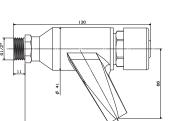
Pressure balanced valves do not have the tendency to cause waterhammer. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Brushed chrome finish.

Spare Parts

Cartridge repair kit C-KM9.290

Cartridge assembly C-KM9.200



KM2.301- STOP TAP



Undertile metering stop tap with non-hold open feature, flow controller and stainless steel wall flange. Brushed chrome finish. Flow cycle 1-20 secs. 1/2 BSP Male connection ends. SANS 1808-9.

Features and Benefits

Excellent water saving product.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures. The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs. All the working parts in this Cobra metering valve are contained in one easily removable cartridge which makes for simple servicing.

The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the supply water pressure.

Pressure balanced valves do not have the tendency

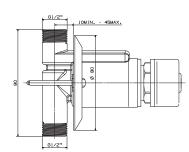
to cause waterhammer.

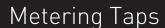
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Brushed chrome finish.

Snare Parts

Cartridge repair kit C-KM9.290 Cartridge assembly C-KM9.200







KM6.000 - URINAL VALVE



Metering urinal valve with non-hold open feature, flow controller, integral shut off valve and sliding wall flange. Flow cycle 1-20 secs. 1/2 BSP Male connection end. SANS 1808-9.

Features and Benefits

Excellent water saving product.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs. All the working parts in this Cobra metering valve are contained in one easily removable cartridge which makes for simple servicing. The mechanism in this valve is pressure balanced so the effort

required to activate the valve remains constant irrespective of the supply water pressure.

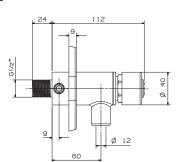
Pressure balanced valves do not have the tendency

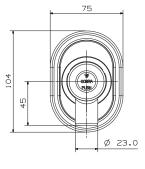
to cause waterhammer. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Chrome plated finish.

Spare Parts

Cartridge repair kit C-KM9.290 Cartridge assembly C-KM9.200





KM066WT-114 - METERING SPOUT



Metering spout, wall type with non-hold open feature, flow controller and wall flange. Flow cycle 1-20 secs. $\frac{1}{2}$ BSP Male connection end. SANS 1808-9.

Features and Benefits

Excellent water saving product.

With streamline outlet for flow aesthetics.

Can be easily installed in place of conventional taps.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. Integral flow controller ensures a constant flow rate from the valve irrespective of fluctuations of supply pressures.

The reduced flow rate enables smaller supply pipes to be used with a subsequent saving in installation material costs.

All the working parts in this Cobra metering valve are contained in one easily removable cartridge which makes for simple servicing. The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the

supply water pressure. Pressure balanced valves do not have the tendency to cause waterhammer. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

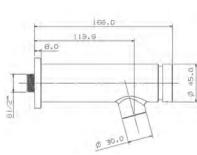
Manufactured from corrosion resistant DZR brass.

Chrome plated finish.

Spare Parts

Cartridge rena

Cartridge assembly C-KM9.200









KM1.00 - FLOW CONTROL VALVE

Exposed flow control valve with ball-o-stop, with non-hold open feature. 34 BSP female connection end. SANS 1240.

Features and Benefits

Excellent water saving product.

With streamline outlet for flow aesthetics.

Cycle time can be adjusted on site.

With non-hold open feature - cannot be MADE to waste water. All the working parts in this Cobra flow control valve are contained in one easily removable cartridge which makes for simple servicing. The mechanism in this valve is pressure balanced so the effort required to activate the valve remains constant irrespective of the

supply water pressure.

Mainly used for industrial/institutional shower installations

(also used for washbasin outlets).

Integral shut off valve ("ball-o-stop") for easy maintenance.

Recommended optimum design pressures

- Inlet flow pressure: 30 500 kPa
- Maximum system pressure: 600 kPa
- 60Ltrs/min flow rate

 $\mbox{\%}$ BSP Female connection end inlet x $\mbox{\%}$ BSP Male connection end outlet.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

the continued operation of your Cobra fittings.

 $\label{thm:manufactured} \mbox{Manufactured from corrosion resistant DZR brass}.$

Brushed chrome finish.

Spare Parts

Top cover C-FJC1.2

 $\dot{\rm Piston}$ assembly (Applicable for urinal diaphragm) C-FJ8.11

Optional Sales Items

Knee /elbow lever C-KM9.12/19

COBRA (Mastermatic) Metering Taps Product Specifications

Designed for use in washrooms from hotels to factories, garages or public toilets. Cobra metering bib and pillar type taps can be easily installed in the place of conventional taps, due to their standard thread and simple design. The subsequent saving in water and energy will be substantial.

These taps are of a non-hold open design, water is dispensed only after the push button has been released. The units cannot be jammed open. Both hands can be washed at the same time as the tap dispenses water for a pre-set period after the pushbutton has been pressed and released. The preset valve closes automatically.

The duration of the water delivery cycle can be altered onsite for optimum water conservation. Bib and pillar type metering taps have a built-in flow controller which ensures a constant flow-rate from the tap irrespective of varying water pressures. The reduced flow-rate also enables smaller supply pipes to be used with a subsequent saving in material costs.

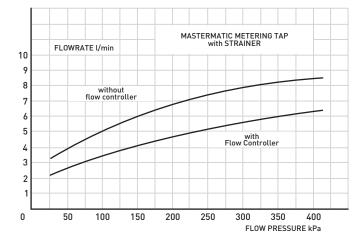


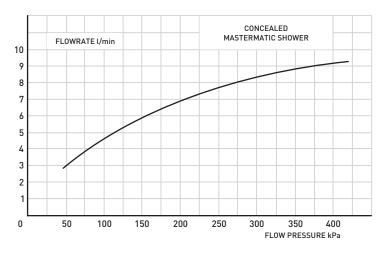
Metering Taps Range

ITEM NUMBER	ITEM DESCRIPTION
KM1.00	MET.VALVE EXPOSED
KM2.100	MET.PILLAR TAP CP R & B
KM2.100FS	METERING TAP - TARYN
KM2.101	MET.PILLAR TAP BC R & B
KM2.200	MET.BIB TAP CP R & B
KM2.201	MET.BIB TAP BC R & B
KM2.301	MET.U/WALL TAP BC R & B
KM6.000	METERING VALVE URINAL EXP

All working parts in Cobra metering taps are contained in one easily removable cartridge which makes for simple servicing. The cartridges are interchangeable between all range items so spares stockholdings is reduced. The valves are pressure balanced so the effort required to activate the valve remains constant irrespective of the water pressure in the pipes. Pressure balanced valves do not have a tendency to water hammer when closing.

Flow Characteristics









Statutory Compliance





Cobra Metering Taps Are:

SABS approved and bear the SABS-mark;

Made in accordance with our SABS ISO 9001: 2008 Quality Management System.

Special Notes:

SANS 10252-1:2004, sec 6.2.3

Unless otherwise required, ablution areas that have a battery of more than three wash-hand basins or showers shall be provided with a metering or demand type taps or metering type showers.

SANS 10252-1:2004, sec 5.3.1.1

Terminal water fittings installed outside any building other than a residential dwelling, should

- a) Incorporate a self-closing device, or;
- b) Have a removable handle for operating purposes, or;
- c) Be capable of being locked to prevent unauthorized usage, or;
- d) Be of a demand type that limits the quantity of water discharged in each operation.

Care and Maintenance

Cleaning

To maintain the lustre of chrome plated surfaces simply wipe occasionally with a soft damp cloth using a mild dishwashing detergent or soap solution. Rinse then dry and buff with a soft cloth.

Warning!

Many household and industrial cleaners contain abrasives and or harsh chemical compounds and acids. Do not use these cleaners or they may irreparably discolour, dissolve or scuff the chrome plate finish. Do not use abrasive cloths or scouring pads.

Maintenance

The frequency and extent of maintenance required for this product will vary according to prevailing site and operational conditions. No regular maintenance is required. Spare parts are available for key components.

Cobra Service call centre contact 0861 21 21 21

Cobra Service E-Mailservice@cobrawatertech.co.za

Cobra website www.cobra.co.za

Warrantee

All goods are subjected to approved inspection/test processes prior to dispatch. All goods are warranted to be free of defects in material, workmanship and design at the time of dispatch. Defective goods will be replaced/repaired at our discretion, free of charge at the factory, but we are not liable for any damage of any other nature, including consequential or indirect loss arising from any such defect. Our obligation to repair/replace is in lieu of all and any other liability on our part. This warranty applies only to correctly installed and maintained goods. Wear and tear considered normal at the locality of the installation is excluded from the ambit of the warranty.

The warranty may be affected under the following conditions:

Water conditions are particularly aggressive either hard, soft or other; Products are not installed by a registered/accredited installer; Hot water supply is in excess of normal domestic water temperature

The warrantee is valid for 2 years against Cobra factory faults.

DZR Brass

Dezincification of brass is a critical aspect of the fitness for purpose (quality) of plumbers fitting that is in contact with water. The risk and rate of dezincification increases with water hardness and the acidity or alkalinity of water away from a PH of 7. Dezincification is the name given to the corrosion of brass.

Dezincification resistant brass, or DZR brass, (sometimes designated CR or DR) is the name given to brass that has exceptional resistance to this corrosion. The resistance is imparted by the adherence to SABS specifications for chemical composition and careful process controls.

In order to be called DZR brass each batch must pass an ISO 6509 dezincification resistance laboratory test SABS/ISO test samples. In South Africa the use of DZR brass for components of brass plumber's fittings that are in contact with water is national law. Building inspectors are being trained to demand the removal of plumber's brassware that does not conform to statutory law.

Cobra Dezincification Resistant Brass

Cobra DZR brass for casting ingot follows the specification of SA alloy code 9A which is a derivative of British Standard DZR brass composition CZ132. In addition to this extra grain refining processes are exerted on the material in the foundry. There is a definite link between grain size and dezincification resistance that is both documented within the industry and has been the subject of extensive study in our two Cobra foundry laboratories. The smaller the grain size the greater the resistance to corrosion.

Cobra brass is refined to the point that individual grains no longer exist and our brass is one homogenous mass. These refining processes are in addition to the composition requirements. Cobra brass for pressing and turning follows the same specification as the casting material but with slight modifications to suit the machining processes to which it will be exerted.

Each of our two brass foundries has its own on-site laboratory equipped with OES spark emission spectrometers. The chemical composition of each production furnace is constantly monitored and kept within the written specification for 14 separate elements. Each Cobra component has a sub-chemical composition specification, which allows for the best composition for a given component within the broader DZR specification. For example, one head part cover casts best at 0.25% aluminium and another similar item is best at 0.18%. Composition control is maintained in mass production right down to these miniscule amounts.

Float Valves

Float Valves





700-15 - FLOAT VALVE

Float valve $\frac{1}{2}$ " BSP male connection end, back inlet, high pressure, MOH pattern, replaceable nylon seat. SANS 752-1.

Features and Benefits

Brass piston. 2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

286mm arm.

Recommended float ball size 115mm diameter.

Spare Parts

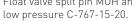
Nylon seat MOH pattern C-750N15HPMOH

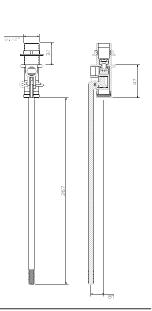
Float valve arm 286mm C-760-15

Float valve plunger brass C-762-15

Float valve washer C-763-15

Float valve split pin MOH and BS1212 pattern high and







700-20 - FLOAT VALVE

Float valve ¾ BSP male connection end, back inlet,

high pressure, MOH pattern, nylon seat. SANS 752-1.

Features and Benefits

Brass piston.

2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

319mm arm.

Recommended float ball size 125mm diameter.

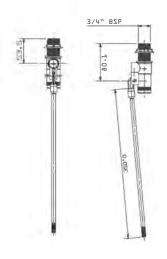
Spare Parts

Float valve arm 319mm C-760-15

Float valve washer C-763-20

Float valve split pin MOH and BS1212 pattern high and

low pressure C-767-15-20





700-25 - FLOAT VALVE

Float valve 1" BSP male connection end, back inlet,

high pressure, Portsmouth pattern. SANS 752-1.

Features and Benefits

Brass piston.

Integral brass seat.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies

to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. 400mm arm.

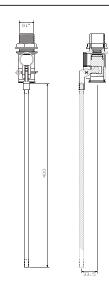
Recommended float ball size 205mm diameter.

Spare Parts

Float valve arm 400mm C-760-25

Float valve washer C-763-25

Float valve split pin MOH pattern high and low pressure C-767-25







700-32 - FLOAT VALVE

Float valve 1 ¼" BSP male connection end, back inlet, high pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

Brass piston.

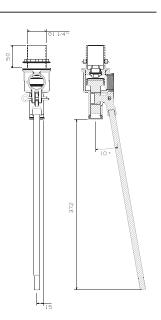
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Corra fittings.

Manufactured from corrosion resistant DZR brass. 400 mm arm.

Recommended float ball size 205mm diameter.

Spare Parts

Float valve washer C-763-32T050



700-40 - FLOAT VALVE

Float valve 1 ½ BSP male connection end, back inlet, high pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

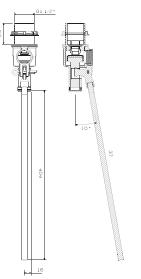
Brass piston.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. 430mm arm.

Recommended float ball size 254mm diameter. **Spare Parts**

Float valve washer C-763-32T050



700-50 - FLOAT VALVE

Float valve 2" BSP male connection end, back inlet, high pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

Brass piston.

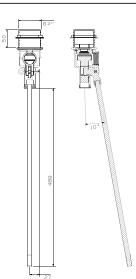
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

 $\label{eq:manufactured} \mbox{Manufactured from corrosion resistant DZR brass.} \\ 520\mbox{mm arm.}$

Recommended float ball size 254mm diameter.

Spare Part

Float valve washer C-763-32T050



Float Valves



700SP - FLOAT VALVE

Float valve $\ensuremath{\mathcal{V}}_2$ " BSP male connection end, back inlet, high pressure, MOH pattern, large bore nylon seat. SANS 752-1.

Features and Benefits

Large bore seat for better flow.

Brass piston.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

286mm arm.

Recommended float ball size 115mm diameter.

Spare Parts

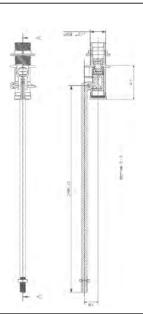
Float valve arm 286mm C-760-15

Float valve plunger brass C-762-15

Float valve washer C-763-15

Float valve split pin MOH and BS1212 pattern high and

low pressure C-767-15-20.



701-15 - FLOAT VALVE

Float valve 1/2" BSP male connection end, back inlet, high pressure, MOH pattern, replaceable nylon seat and nylon piston. SANS 752-1.

Features and Benefits

Nylon piston.

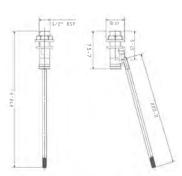
2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

220mm arm.

Recommended float ball size 115mm diameter.



710-15 - FLOAT VALVE

Float valve ½ BSP male connection end, back inlet,

low pressure, MOH pattern, replaceable nylon seat. SANS 752-1.

Features and Benefits

Brass piston. 2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

286mm arm. Recommended float ball size 115mm diameter.

Spare Parts

Float valve arm 286mm C-760-15 Float valve plunger brass C-762-15 Float valve washer C-763-15

Float valve split pin MOH and BS1212 pattern high and

low pressure C-767-15-20.







710-20 - FLOAT VALVE

Floatvalve ¾" BSP male connection end, back inlet, low pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

Brass piston.

2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

 ${\it Manufactured from corrosion resistant DZR brass.}$

319mm arm.

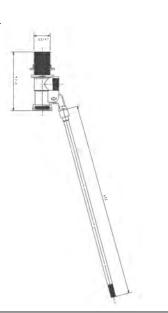
Recommended float ball size 150mm diameter.

Spare Parts

Float valve arm 319mm C-760-15

Float valve split pin MOH and BS1212 pattern high and

low pressure C-767-15-20



710-32 - FLOAT VALVE

Float valve 1 1/4 BSP male connection end, back inlet, low pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

Brass piston.

2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

400mm arm.

Recommended float ball size 205mm diameter.

Spare Parts

Float valve washer C-763-32T050



710-40 - FLOAT VALVE

Float valve 11/2 BSP male connection end, back inlet, low pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

Brass piston.

2 piece MOH pattern body.

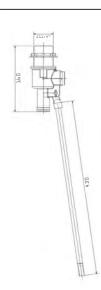
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

430mm arm. Recommended float ball size 245 mm diameter.

Spare Parts

Float valve washer C-763-32T050



Float Valves



710-50 - FLOAT VALVE

Float valve 2" BSP male connection end, back inlet, low pressure, MOH pattern, stainless steel seat. SANS 752-1.

Features and Benefits

Brass piston. 2 piece MOH pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

520mm arm.

Recommended float ball size 254mm diameter.

Spare Parts

Float valve washer C-763-32T050



715-15 - FLOAT VALVE

Float valve ½" BSP male connection end, back inlet, high pressure, BS1212 pattern, replaceable nylon seat. SANS 752-1.

Features and Benefits

Brass piston. 1 piece BS1212 pattern body.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass. 286mm arm

Recommended float ball size 115mm diameter.

Spare Parts

Nylon seat MOH pattern C-750N15HPMOH Float valve arm 286mm C-760-15 BS1212 fibre washer C-715/1-15 Nylon seat BS1212 high pressure C-750N-15HP Float valve plunger brass C-762-15 Float valve washer C-763-15 Float valve split pin MOH and BS1212 pattern high and low pressure C-767-15-20



715-20 - FLOAT VALVE

Float valve ¾" BSP male connection end, back inlet,

high pressure, BS1212 pattern, replaceable nylon seat. SANS 752-1.

Features and Benefits

Brass piston.

1 piece BS1212 pattern body.

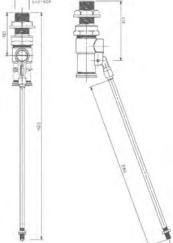
low pressure C-767-15-20.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

286mm arm. Recommended float ball size 125mm diameter.

Spare Parts Float valve arm 319mm C-760-15 Float valve split pin MOH and BS1212 pattern high and





Float Valves

716-15 - FLOAT VALVE

Float valve $\frac{1}{2}$ " BSP male connection end, back inlet, high pressure, BS1212 pattern, replaceable nylon seat. SANS 752-1.

Features and Benefits

Nylon piston.
1 piece BS1212 pattern body.

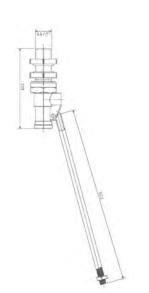
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

220mm arm.

Recommended float ball size 115mm diameter.

Spare Parts

BS1212 fibre washer C-715/1-15 Nylon seat BS1212 high pressure C-750N-15HP

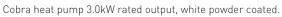


Heat Pumps

Heat Pumps



HP-3.0W - HEAT PUMP



* Pending promulgation of SANS standard.

Features and Benefits

Cobra heat pumps are suitable for retro-fitting to existing hot water cylinders.

3.0kW thermal energy rated output. Uses only 0.75kW electrical input.

COP rating of 3.33.

Suitable for 100 - 200l hot water cylinders.

Expected electricity savings on water heating bill of some 66%.

Heat pump rated water output temperature 55°C.
Uses environmentally friendly CFC (chlorofluorocarbon) free gas.
Eligable for ESKOM Rebate process,

see http://www.eskomidm.co.za/ for full details.

Cobra accredited installer list within packaging. Features an anti-legionella health function.

HP-4.7W - HEAT PUMP



Cobra heat pump 4.7kW rated output, white powder coated.

 $\ensuremath{^{*}}$ Pending promulgation of SANS standard.

Features and Benefits

Cobra heat pumps are suitable for retro-fitting to existing hot water cylinders.

4.7kW thermal energy rated output. Uses only 1.20kW electrical input.

COP rating of 3.66. Suitable for 2001 and larger hot water cylinders.

Expected electricity savings on water heating bill of some 66%. Heat pump rated water output temperature 55°C.

Uses environmentally friendly CFC (chlorofluorocarbon) free gas.

Eligable for ESKOM Rebate process,

see http://www.eskomidm.co.za/ for full details.

Cobra accredited installer list within packaging.

Features an anti-legionella health function.

Medical Elbow Action Taps & Mixers





500-21B - BIB TAP

Elbow action bib tap with blue indice. $\frac{1}{4}$ turn ceramic disc. $\frac{1}{2}$ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head part (Anti-clockwise closing). With flow straightener for flow aesthetics.

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella

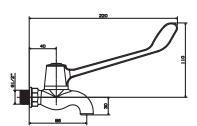
(Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Blue Head part only S-21-1CLOCK.



500-21R - BIB TAP

Elbow action bib tap with red indice. ¼ turn ceramic disc. $\frac{1}{2}$ BSP male connection inlet. SANS 226 TYPE 2

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

1/4 turn ceramic disk head part (Clockwise closing).

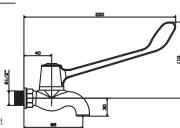
With flow straightener for flow aesthetics. It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Red head part complete S-21-ANTI.

Red head part only S-21-2ANTI.



503-21B - PILLAR TAP



Elbow action pillar tap with raised nose and blue indice. 1/4 turn ceramic disc. 1/2 BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

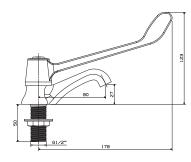
Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

1/4 turn ceramic disk head part (Clockwise closing). It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease).

The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Chrome plated.

Blue head part complete S-21-CLOCK. Blue head part only S-21-1CLOCK. Connection back nut 088-15.







503-21R - PILLAR TAP

Elbow action pillar tap with raised nose and red indice.

$\mbox{\em 4}$ turn ceramic disc. $\mbox{\em 4}$ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

1/4 turn ceramic disk head part (Clockwise closing).

It is documented that the corrosion products of dezincified

brass support the growth of pathogens such as

Legionella (Legionnaires disease).

The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

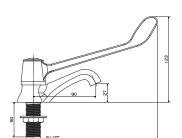
Chrome plated.

Spare Parts

Red head part complete S-21-ANTI.

Red head part only S-21-2ANTI.

Connection back nut 088-15.



504-21B - PILLAR TAP

Elbow action pillar tap with high waist and blue indice. 1/4 turn ceramic disc. 1/2 BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

1/4 turn ceramic disk head part (Clockwise closing).

With flow straightener for flow aesthetics.

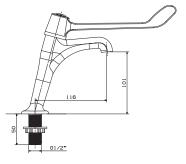
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Blue head part only S-21-1CLOCK. Connection back nut 088-15.









Description: Elbow action pillar tap with high waist and red indice. 1/4 turn ceramic disc. 1/2 BSP male connection inlet.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

1/4 turn ceramic disk head part (Clockwise closing).

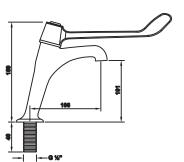
With flow straightener for flow aesthetics.

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Red head part complete S-21-ANTI. Red head part only S-21-2ANTI. Connection back nut 088-15.



505-21B - PILLAR TAP



Elbow action pillar tap square type with blue indice. ¼ turn ceramic disc. ½ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

1/4 turn ceramic disk head part (Clockwise closing).

For a green option simply buy and Install a Pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

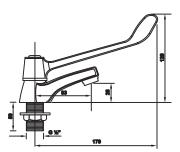
Manufactured from corrosion resistant DZR brass.

Chrome plated. Spare Parts

Blue head part complete S-21-CLOCK. Blue head part only S-21-1CLOCK.

Aerator C-M24X1.

Connection back nut 088-15.







505-21R - PILLAR TAP

Elbow action pillar tap square type with red indice. $\frac{1}{2}$ turn ceramic disc. $\frac{1}{2}$ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk headpart (Clockwise closing).

For a green option simply buy and Install a Pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

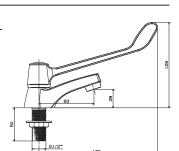
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Manufactured from corrosion resistant Chrome plated.

Spare Parts

Red head part complete S-21-ANTI. Red head part only S-21-2ANTI. Aerator C-M24X1. Connection back nut 088-15.



508 - WALL MIXER



Elbow action, progressive control wall type mixer with underarm swivel outlet. ½ BSP male connection inlets. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

With integral regulating valves.

Action: Arm to the left mixer closed, movement of the lever to the right commences full water flow - cold. Further movement of the lever to the right progressively increases water temperature.

Progressively warmer mean no chance of scalding.

Swivel spout can be moved out of the way for full access to the bowl. Fitted with non-return valve to prevent hot water in cold system and cold water in hot system.

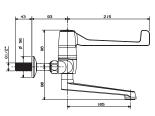
For a green option simply buy and Install a Pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

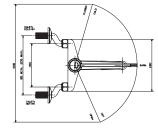
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass. Chrome plated.

Spare Parts

Head part complete S-508/1. Lever S-508/1. Aerator C-M24X1.









Elbow action, progressive control wall type mixer with underarm swivel outlet. $\frac{1}{2}$ BSP male connection inlets. SANS 1480.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

Ceramic disc cartridge.

Action: Arm to the left mixer closed, movement of the lever to the right commences full water flow - cold. Further movement of the lever to the right progressively increases water temperature.

Progressively warmer mean no chance of scalding.

Swivel spout can be moved out of the way for full access to the bowl. For a green option simply buy and install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

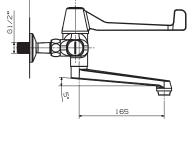
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease).

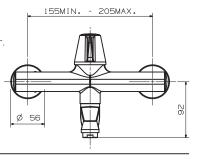
The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare PartsProgressive ceramic disc cartridge S-508CD-1. Aerator C-M24X1.





510-21 - WALL TYPE MIXER

Elbow action, $\frac{1}{2}$ turn ceramic disc, wall type mixer with fixed outlet. $\frac{1}{2}$ BSP fixed male connection inlets with 178mm centres. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

For a green option simply buy and Install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

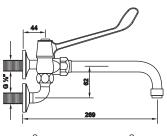
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

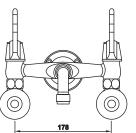
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Elbow connections S-055-15. Aerator C-M22X1.









511-21 - WALL TYPE MIXER



Elbow action, ¼ turn ceramic disc, wall type mixer with fixed outlet and reinforcing back plate . ½" BSP fixed male connection inlets with 178mm centres. SANS 226 TYPE 2.

Features and Benefits

Re-inforcing backplate for additional rigidity.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

Ideal for medical, kitchen and industrial installations.

¼ turn ceramic disk head parts.

For a green option simply buy and install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

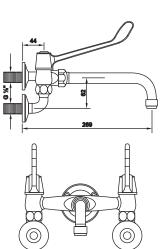
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Elbow connections S-055/1-15.

Aerator C-M22X1.



514-21B - BOTTLE WASHER TAP



Elbow action bottle washer, deck mounted sidecock with ¼ turn ceramic disc head part and blue indice. ½ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations.

Opening and closing by elbow action thereby minimizing contact

with bacteria on handles. ¼ turn ceramic disk head part (Clockwise closing).

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease).

The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

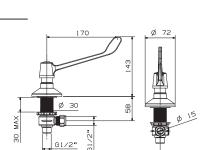
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Opening and closing can be done with the elbow minimizing contact with potential bacteria on handles/ mixers.

Spare Parts

Blue head part complete S-21-CLOCK. Blue head part only S-21-1CLOCK.







514-21R - BOTTLE WASHER TAP

Elbow action bottle washer, deck mounted sidecock with ¼ turn ceramic disc headpart and red indice. ½ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

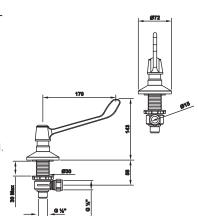
¼ turn ceramic disk head part (Anti-clockwise closing). It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Red head part complete S-21-ANTI. Red head part only S-21-2ANTI.



515-21 - PILLAR MIXER



Elbow action, % turn ceramic disc, pillar type mixer with swivel outlet. % BSP male connection inlets.

SANS 226 TYPE 2. Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

Swivel spout can be moved out of the way for full access to the bowl. For a green option simply buy and install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

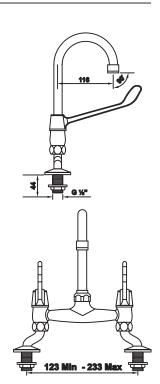
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Connection back nut 088-15. Swan neck swivel outlet S-044. Aerator C-M22X1.







515/053232H21 - WALL MIXER

Elbow action, $\frac{1}{2}$ turn ceramic disc, wall type mixer with swivel outlet. $\frac{1}{2}$ BSP fixed male connection angle regulating valve inlets with 178mm centres. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

Swivel spout can be moved out of the way for full access to the bowl. For a green option simply buy and install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

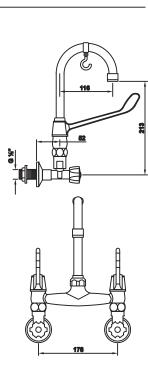
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

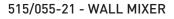
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts.

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Swan neck swivel outlet S-044. Angle regulating valves 232-10. Aerator C-M22X1.







Elbow action, $\frac{1}{2}$ turn ceramic disc, wall type mixer with swivel outlet. $\frac{1}{2}$ BSP fixed male connection inlets with 178mm centres. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

Swivel spout can be moved out of the way for full access to the bowl. For a green option simply buy and install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

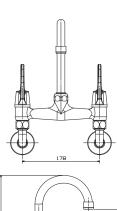
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

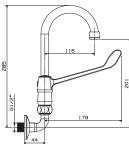
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Swan neck swivel outlet S-044. Elbow connections S-055/1-15. Aerator C-M22X1.









515/055H-21 - WALL MIXER

Elbow action, ¼ turn ceramic disc, wall type mixer with swivel outlet and hook. ½ BSP fixed male connection inlets with 178mm centres. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

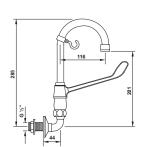
Swivel spout can be moved out of the way for full access to the bowl. For a green option simply buy and install a pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

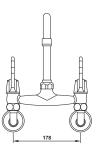
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Swan neck swivel outlet S-044. Elbow connections S-055/1-15. Aerator C-M22X1.









Features and Benefits

Re-inforcing backplate for additional rigidity. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

Ideal for medical, kitchen and industrial installations.

¼ turn ceramic disk head parts.

For a green option simply buy and Install a Pressure compensating flow restrictor (P. WS/A, P. WS/A, NOLIME)

flow restrictor (P-WS/6, P-WS/6-NOLIME).

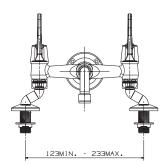
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

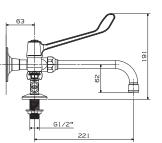
Manufactured from corrosion resistant DZR brass.

 ${\it Chrome\ plated}.$

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Connection back nut 088-15. Aerator C-M22X1.











518-21 - WALL MIXER

Elbow action, ¼ turn ceramic disc, wall type mixer with handshower kit and reinforcing back plate . ½ BSP fixed male connection inlets with 178mm centres. SANS 226 TYPE 2.

Features and Benefits

Re-inforcing back plate for additional rigidity.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

Ideal for medical, kitchen and industrial installations.

¼ turn ceramic disk head parts.

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella

(Legionnaires disease).

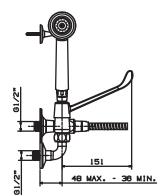
The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

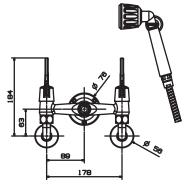
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Handshower 012W-ALPINE. Handshower hose 008/4C. Aerator C-M22X1.





519-21 - BIBTAP + HANDSPRAY



Elbow action bib tap with trigger control handshower set with blue indice. $\frac{1}{2}$ turn ceramic disc. $\frac{1}{2}$ BSP male connection inlet. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, mortuary, kitchen and industrial installations. Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease).

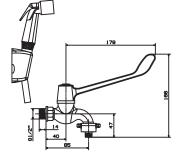
The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Blue Head part only S-21-1CLOCK. Trigger spray and tube 27824SP. Wall mounted handshower holder 28020.







515/055H-21 - WALL MIXER

Elbow action, $\mbox{\ensuremath{\%}}\xspace$ turn ceramic disc, pillar type mixer with swivel outlet. $\frac{1}{2}$ BSP male connection inlets. SANS 226 TYPE 2.

Features and Benefits

Ideal for medical, kitchen and industrial installations.

Opening and closing by elbow action thereby minimizing contact with bacteria on handles.

¼ turn ceramic disk head parts.

Swivel spout can be moved out of the way for full access to the bowl. For a green option simply buy and Install a Pressure compensating flow restrictor (P-WS/6, P-WS/6-NOLIME).

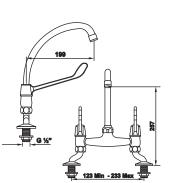
It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor. Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

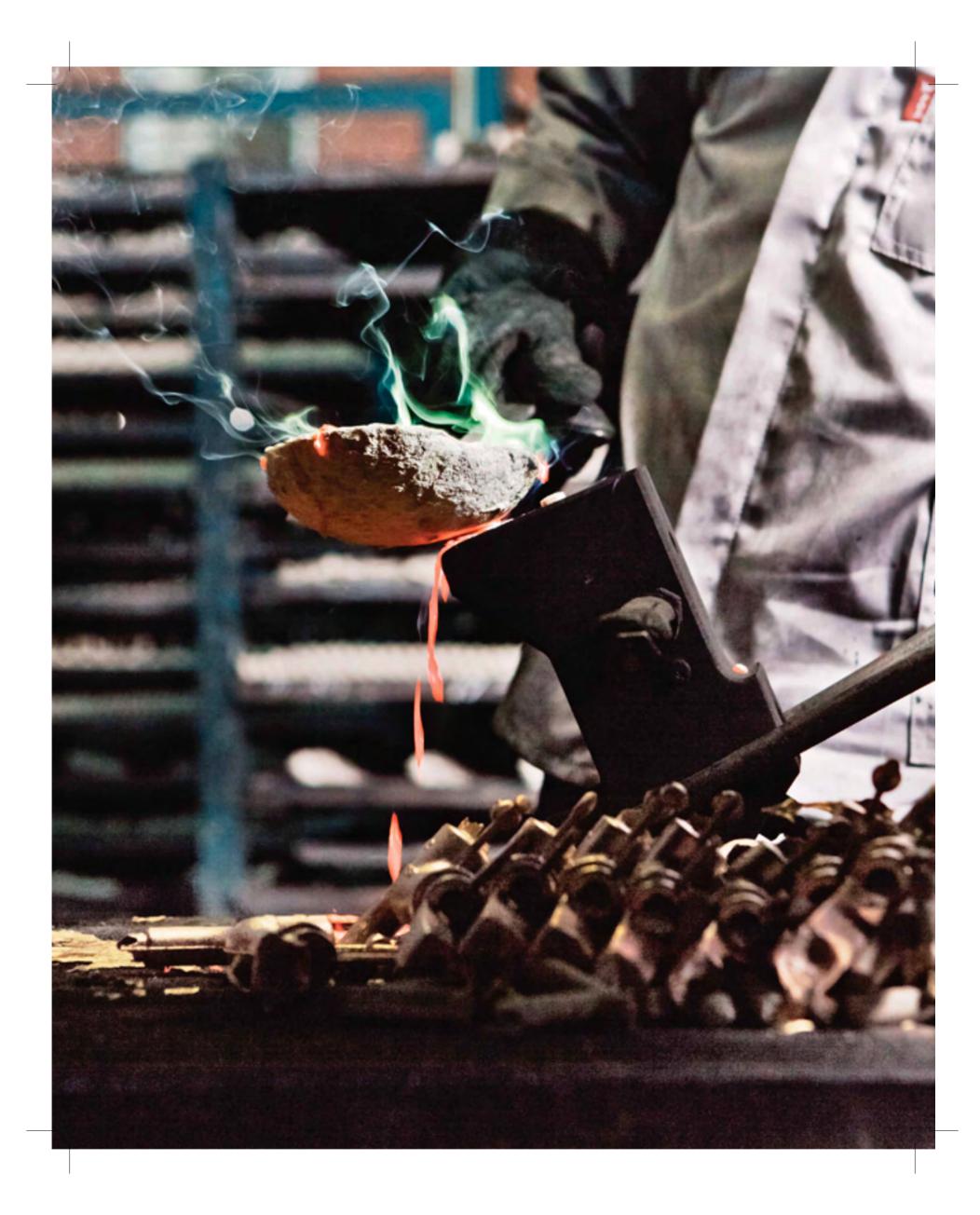
Manufactured from corrosion resistant DZR brass.

Chrome plated.

Spare Parts

Blue head part complete S-21-CLOCK. Red head part complete S-21-ANTI. Blue head part only S-21-1CLOCK. Red head part only S-21-2ANTI. Swivel outlet S-041. Aerator C-M22X1.





Ceramic Disc ¼ Turn Headparts

The head parts used in Cobra elbow action medical mixers utilize ceramic discs and have a ¼ turn operation. The valve operates by the progressive alignment of water ports cut into ceramic discs as the head part spindle is turned.

Ceramic discs in Cobra valves are made from Aluminum oxide AL203. This material has a high wear resistance and has physical characteristics that allow for extremely smooth surfaces to be machined. Surface finish measurements of Ra 0.3um are maintained and bettered in production. This surface finish, combined with the materials resistance to distortion, mean that when the machined faces of two discs are held together a totally watertight seal is made even when one face is rotated against the other.

Ceramic disc ¼ turn head parts are fitted to Cobra Ixion and Damara ranges as well as our elbow action medical mixers. The thread on this head part is 0.9531 x 18TPI and the head part fits tap or mixer seats that have a bore of 12.7mm; these dimensions are the old BS1010 type low resistance tap size. There is a rubber seal in the bottom, inlet end of the head part, which seals against the tap seat. The picture below shows the main operating components, ceramic discs, of the head part. When the spindle of the head part is turned away from the closed position the brown disc turns against the static white disc allowing the triangular ports in both discs to progressively align. As the ports align water flows through the head part, venting through ports on each of its sides. This water is then free to pass through the tap or mixers outlet. The triangular shape to the port is to minimise water hammer on shut off. This type of head part is extensively used in the USA and is popular in the UK. It is generally used where a ¼ or ½ turn (fully closed to fully open) tap handle operation is required. In South Africa our local standards authority, the SABS, have the highest requirement for head part strength in the world, particularly with regard to torque strength (turning the spindle against its stop), accordingly the Cobra head part is the only ceramic disc head part made that can fulfill all SABS requirements, particularly with regard to withstanding 15Nm of turning torque and dezincification (corrosion) resistance. The nature of this valve requires relatively thin brass wall thicknesses, which are prone to corrosion failure unless an SABS/ISO specification DZR brass is used.

The white component with raised knobs seen below has been carefully designed to reduce turbulence through the head part at all opening positions. This improves the performance of the valve and reduces noise. We have two operational configurations of ceramic disc ½ turn head parts, Anti clockwise and clockwise closing. This is to allow for the normal operation of medical mixers. I.e. when facing a medical mixer the mixer is off when both levers are facing forward. The water flow is opened as the levers are turned to the side. When facing a mixer the hot tap should always be on the left. This mixer is in the off position.

Individual elbow action medical taps open and close as per the hot and cold sides of this mixer. i.e. a hot tap lever will turn out to your left when you face it and visa versa for the cold tap. The Damara range uses both clockwise and anti-clockwise closing but the closed position is when the lever arms are facing the sides. Ixion only uses clockwise closing head parts.

Medical Elbow Action - Care and Maintenance

Care and Maintenance

It is documented that the corrosion products of dezincified brass support the growth of pathogens such as Legionella (Legionnaires disease). The use of dezincification resistant Cobra brass reduces this risk factor.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Cleaning

To maintain the lustre of chrome plated surfaces simply wipe occasionally with a soft damp cloth using a mild dishwashing detergent or soap solution. Rinse then dry and buff with a soft cloth.

Warning!

Many household and industrial cleaners contain abrasives and or harsh chemical compounds and acids. Do not use these cleaners or they may irreparably discolour, dissolve or scuff the chrome plate finish. Do not use abrasive cloths or scouring pads.

Maintenance

The frequency and extent of maintenance required for this product will vary according to prevailing site and operational conditions. No regular maintenance is required. Spare parts are available for key components.

Cobra Service Call Centre - Contact: 0861 21 21 21

Cobra Service E-Mail:service@cobrawatertech.co.za

Cobra web site: www.cobra.co.za







100-15 - BIB TAP

Plain bib tap. $\frac{1}{2}$ " BSP male iron connection end. SANS 226 TYPE 1.

Features and Benefits

With flow straightener for flow aesthetics.

 $\frac{1}{2}$ " heavy pattern headpart, low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-25RB-15.

 $\frac{1}{2}$ " heavy pattern tap washer C-097-15.



108-15 - HOSE BIB TAP

Hose bib tap. % " BSP hose union with wing nut and lining for $\mbox{$\frac{1}{2}$}$ " hose. $\frac{1}{2}$ " BSP male iron connection end. SANS 226 TYPE 1.

Features and Benefits

Complete with wingnut and lining for ½" hose.

 $\ensuremath{\text{1/2}}\xspace$ heavy pattern headpart, low resistance for low pressure or high water

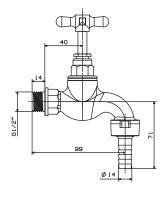
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

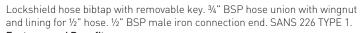
Spare Parts

Headpart complete S-25RB-15.

 $\frac{1}{2}$ " heavy pattern tap washer C-097-15.



108LK-15 - HOSE BIB TAP



Features and Benefits

Complete with wingnut and lining for ½" hose.

Removable activation key to lock out un-authorised usage.

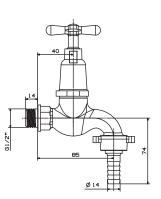
 $\frac{1}{2}$ " heavy pattern headpart, low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-14RB/LK. $\frac{1}{2}$ " heavy pattern tap washer C-097-15. Loose key C-084.



108-20 - HOSE BIB TAP

Hose bib tap. %" BSP hose union with wingnut and lining for %" hose. 3/4" BSP male iron connection end. SANS 226 TYPE 1.

Features and Benefits

Complete with wingnut and lining for 3/4" hose.

 $\ensuremath{\mathrm{\%}}$ "heavy pattern headpart, very low resistance for low pressure or high water demand installations.

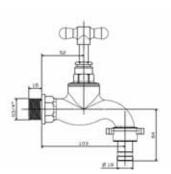
Should you require replacement you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-26RB.

 $\frac{1}{2}$ " heavy pattern tap washer C-097-20.









108LK-20 - HOSE BIB TAP

Lockshield hose bib tap with removable key. $\mbox{\%}"$ BSP hose union with wingnut and lining for ¾" hose. ¾" BSP male iron connection end.

Features and Benefits

Complete with wingnut and lining for 3/4" hose.

Removable activation key to lock out un-authorised usage

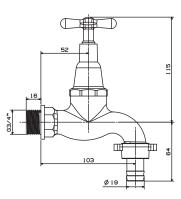
34" heavy pattern headpart, very low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-15RB/LK 3⁄4" tap washer C-097-20 Loose key C-084



121-15 - STOP TAP

Stop Tap. $\frac{1}{2}$ " BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits

1/2" heavy pattern headpart, low resistance for low pressure or high water demand installations.

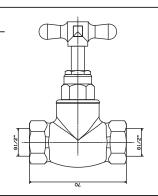
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-25RB-15.

½" heavy pattern tap washer C-097-15.



121LK-15 - STOP TAP

Lockshield stop tap with removable key. ½" BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits

Removable activation key to lock out un-authorised usage.

 $\frac{1}{2}$ " heavy pattern headpart, low resistance for low pressure or

high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

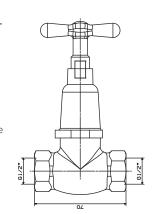
Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-14RB/LK.

½" heavy pattern tap washer C-097-15.

Loose key C-084.



121-20 - STOP TAP

Stop Tap. ¾" BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits

3/4" BSP connection ends.

34" heavy pattern headpart, very low resistance for low pressure or high water demand installations.

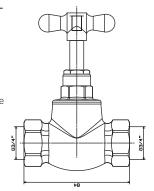
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-26RB.

1/2" heavy pattern tap washer C-097-20.







121LK-20 - STOP TAP

Lockshield stop tap with removable key. $\mbox{\%"}$ BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits

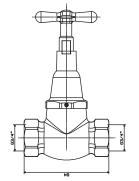
Removable activation key to lock out un-authorised usage.

%" heavy pattern headpart, very low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Headpart complete S-15RB/LK. ³/₄" tap washer C-097-20. Loose key C-084.



121-25 - STOP TAP

Stop Tap. 1" BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits

1" BSP connection ends.

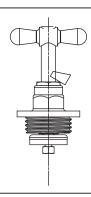
1" heavy pattern headpart, very low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

1" tap washer C-097-25.



131-15 - STOP TAP

Stop Tap. 15mm compression copper to copper connection ends. SANS 226 TYPE 1.

Features and Benefits

½" heavy pattern headpart, low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

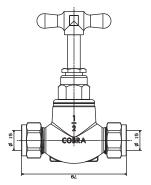
the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-25RB-15.

 $\frac{1}{2}$ " heavy pattern tap washer C-097-15.

Compression cap nut 64XS-15. Brass compression ring D-65XS-15.



131-22 - STOP TAP

 ${\it Stop Tap. 22mm compression copper to copper connection ends.}$ SANS 226 TYPE 1.

34" heavy pattern headpart, very low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

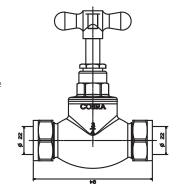
Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-26RB. Compression cap nut 64XS-22.

Brass compression ring D-65XS-22.

3/4" tap washer C-097-20.







131-28 - STOP TAP



 ${\sf Stop\ Tap.\ 28mm\ compression\ copper\ to\ copper\ connection\ ends.}$ SANS 226 TYPE 1.

Features and Benefits

1" heavy pattern headpart, very low resistance for low pressure or

high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Spare Parts

Compression cap nut 64XS-28. Brass compression ring D-65XS-28.

1" tap washer C-097-25.

200-15 - BIB TAP



Plain bib tap. $\frac{1}{2}$ " BSP male iron connection end. SANS 226 TYPE 2.

Features and Benefits

With flow straightener for flow aesthetics.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-28.

 $\frac{1}{2}$ " light pattern tap washer C-098-15.

200-20 - BIB TAP



Plain bib tap. $\mbox{\%}"$ BSP male iron connection end. SANS 226 TYPE 1.

Features and Benefits

3/4" BSP connection end.

1/2" heavy pattern headpart, low resistance for low pressure or high water demand installations.

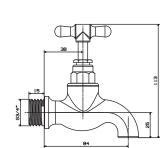
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-25RB-15.

½" heavy pattern tap washer C-097-15.



202-15 - BIB TAP



Plain bib tap. $\frac{1}{2}$ " BSP male iron connection end. SANS 226 TYPE 2.

Features and Benefits

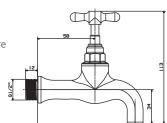
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-28.

½" light pattern tap washer C-098-15.







208-15 - HOSE BIB TAP

Hose bib tap. $\frac{1}{2}$ " BSP hose union with wingnut and lining for $\frac{1}{2}$ " hose. $1\!\!/_{\!2}$ " BSP male iron connection end. SANS 226 TYPE 2.

Features and Benefits

Complete with wingnut and lining for ½" hose.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

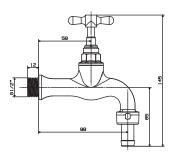
the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-28.

½" light pattern tap washer C-098-15.





208-20 - HOSE BIB TAP

Hose bibtap. 3/4" BSP hose union with wingnut and lining for 3/4" hose. 3/4"BSP male iron connection end. SANS 226 TYPE 1.

Features and Benefits

Complete with wingnut and lining for 3/4" hose.

½" heavy pattern headpart, low resistance for low pressure or

high water demand installations.

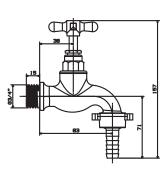
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-25RB-15.

 $\frac{1}{2}$ " light pattern tap washer C-097-15.





Hose bib tap. 1" BSP hose union with wingnut and lining for 1" hose. 1" BSP male iron connection end. SANS 226 TYPE 1.

Features and Benefits

Complete with wingnut and lining for 1" hose.

34" heavy pattern headpart, very low resistance for low pressure or

high water demand installations.

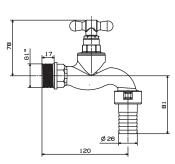
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-26RB.

3/4" heavy pattern tap washer C-097-20.





209-15X3/4PL - HOSE BIBTAP

Hose bib tap. %" BSP hose union with wingnut and lining for %" hose. $\frac{1}{2}$ " BSP male iron connection end. SANS 226 TYPE 2.

Features and Benefits

Complete with wingnut and lining for 3/4" hose.

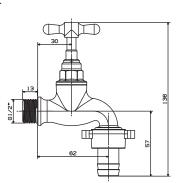
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-28.

 $1\!\!/\!_2$ " light pattern tap washer C-098-15.







209/1-15X3/4 - HOSE BIB TAP

Hose bib tap. %" BSP hose union. %" BSP male iron connection end. SANS 226 TYPE 2.

Features and Benefits

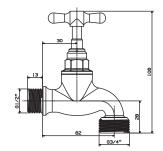
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-28.

 $\frac{1}{2}$ " light pattern tap washer C-098-15.





221-15 - STOP TAP

Stop tap. $\frac{1}{2}$ " BSP female iron connection ends. SANS 226 TYPE 2.

Features and Benefits

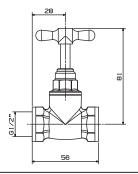
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-28.

 $\frac{1}{2}$ " light pattern tap washer C-098-15.





221-20 - STOP TAP

Stop Tap. 34" BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits

3/4" BSP connection ends.

 $\frac{1}{2}$ " heavy pattern headpart, low resistance for low pressure or high water demand installations.

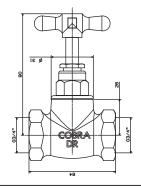
Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

Spare Parts

Headpart complete S-25RB-15.

 $\frac{1}{2}$ " heavy pattern tap washer C-097-15





221-25 - STOP TAP

Stop tap. 1" BSP female iron connection ends. SANS 226 TYPE 1.

Features and Benefits 1" BSP connection ends.

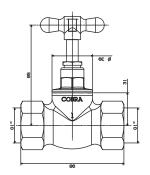
34" heavy pattern headpart, very low resistance for low pressure or high water demand installations.

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Headpart complete S-26RB.

3/4" tap washer C-097-25.







231-15 - STOP TAP

Stop Tap. 15mm compression copper to copper connection ends. SANS 226 TYPE 2.

Features and Benefits

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure the continued operation of your Cobra fittings.

Manufactured from corrosion resistant DZR brass.

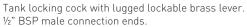
Spare Parts
Headpart complete S-28.
Compression cap nut 64XS-15. Brass compression ring D-65XS-15. ½" light pattern tap washer C-098-15.

Tank Locking Cock

Tank Locking



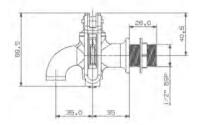
541-15 - TANK LOCKING COCK R.B.



Features and Benefits

Secures water storage tanks.

Complete with backnut and rubber sealing washer. Manufactured from corrosion resistant DZR brass.



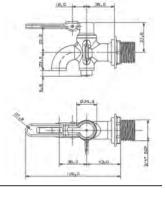
541-20 - TANK LOCKING COCK R.B.

Tank locking cock with lugged lockable brass lever. % BSP male connection ends.

Includes

Secures water storage tanks.

Complete with backnut and rubber sealing washer. Manufactured from corrosion resistant DZR brass.





Thermostatic Mixers

Thermostatic Mixers





AL-862 - BATH/SHOWER MIXER

Aplos thermostatic underwall bath/shower mixer with anti-scald feature.

Features and Benefits

Safety lock and override button 38°C (** Anti scald device).

With temperature setting and flow rate controls.

For water and energy saving in your shower use with a Cobra shower head (restricted to 9ltrs/min) or in conjunction with Cobra in-line water saving devices WS-KIT, or P-WS/9-1L (9ltr/min shower head restrictors).

Notes

To convert your existing standard Strata (SA-856) or Aplos (AL-856) underwall bath/shower mixer to thermostatic control,

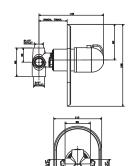
S-860 thermostatic mixer kit.

Maximum inlet temperature the device can accommodate: 80°C. Maximum recommended inlet water temperature (** advised): 60°C.

Temperature setting range: 20°C - 60°C.

Minimum balanced water pressure: 0,5 bar (50kPa). Recommended balanced water pressure: 100 - 500 kPa.

Flow rate delivery: 38° C setting, 300 kPa pressure = up to 19 l/m.







Mastertherm 11 thermostatic temperature controller with automatic fail safe anti-scald, anti-chill feature. With circulation return port.

Features and Benefits

Can supply water for up to 14 showers.

The selected temperature can be 'Locked in' rendering the temperature setting tamper proof.

"Mastertherm II" is temperature fail-safe (** preventing the user being harmed by excessive hot or cold water).

Failure of either the hot or cold water supply closes the appropriate port in 3 seconds, preventing the user being harmed by excessive hot or cold water. The wax-type thermostatic element and large internal ports, renders the

"Masthertherm II" an anti-lime build-up product. Cartridge-concept makes servicing/ maintenance quick and easy.

Temperature selection dial clearly marked for easy selection of

water temperature.

Circulation return port comes standard with the "Masthertherm Il".

Should you require replacement components, even after many years, you are assured of availability of components or sub-assemblies to ensure

the continued operation of your Cobra fittings. Manufactured from corrosion resistant DZR brass.

Brushed chrome finish.

Each valve is factory tested to 2,000kPa.

Robust metal construction renders this KD valve vandal resistant.

All components are made from specially selected materials to ensure long service life.

All wearing parts can be replaced - long service life.

Notes

Maximum inlet water temperature: 80°C.

Maximum recommended inlet water temperature (** advised): 60°C. Temperature control: 20°C - 60°C.

Recommended balanced pressure: 150 kPa - 500 kPa.

Connection pipe sizes: 25mm, 32mm and 40mm. Hot & Cold water inlets: 1 ½" Male connection end.

1 1/4" Male connection end outlet. $1 \frac{1}{4}$ " Male connection end blended water outlet.

1" Male connection end return port.

Spare Parts

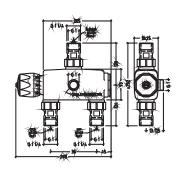
"Mastertherm II" cartridge C-KD2.804

"O-ring" set C-KD2.834.

Thermal element assembly C-KD2.801. Handle kit C-KD2.824.

Fibre washer set C-KD2.802.

Headpart only C-KD2.805.





Thermostatic Mixers

SA-862 - BATH/ SHOWER MIXER



 $Strata\ thermostatic\ underwall\ bath/shower\ mixer\ with\ anti-scald\ feature.$

Features and Benefits

Safety lock and override button 38°C (** Anti scald device). With temperature setting and flow rate controls. For water and energy saving in your shower use with a Cobra shower head (restricted to 9ltrs/min) or in conjunction with Cobra in-line water saving devices WS-KIT, or P-WS/9-1L (9ltr/min shower head restrictors).

Notes

To convert your existing standard Strata (SA-856) or Aplos (AL-856) underwall bath/shower mixer to thermostatic control, S-860 thermostatic mixer kit.

Maximum inlet temperature the device can accommodate: 80°C.

Maximum recommended inlet water temperature (** advised): 60°C. Temperature setting range: 20°C - 60°C.

Minimum balanced water pressure: 0,5 bar (50kPa). Recommended balanced water pressure: 100 - 500 kPa. Flow rate delivery: 38°C setting, 300 kPa pressure = up to 19 l/m.

