

EBCO

Mark 1 and 2

Equilibrium Float Valves for Water Services

Benefits

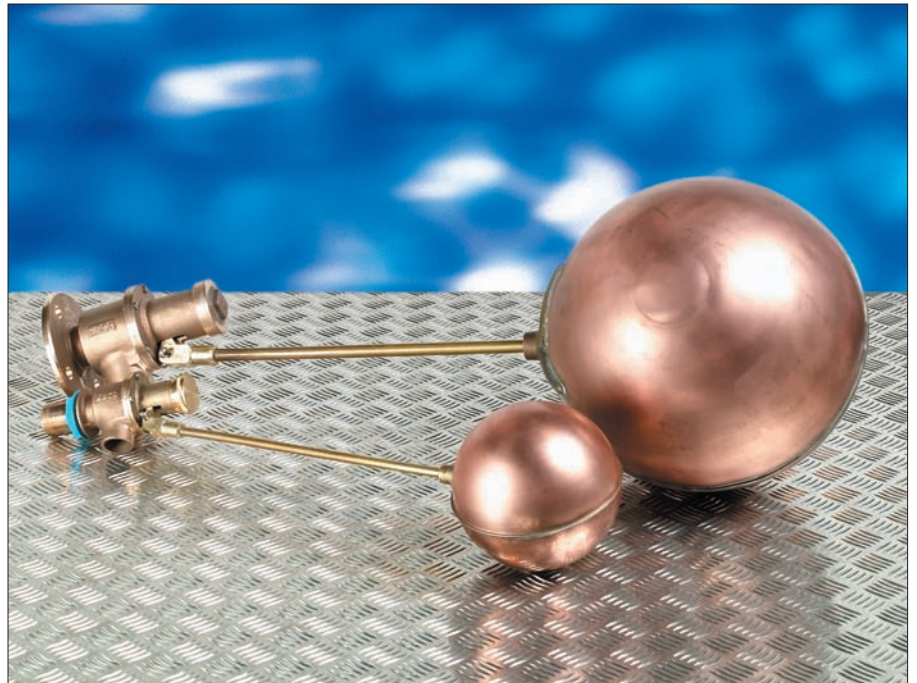
- Available in full or reduced bore configurations to suit pressures up to 10 bar (150psi) whilst still maintaining a fast, quiet and smooth shut off action.
- Available with flanged or male BSP threaded connections to suit most connection situations.
- The body of the valve is made from corrosion immune Gunmetal giving years of trouble free service.
- Design and selection of materials gives high strength for installation and operation, and corrosion resistance for long life.
- One size of seat and one size of ball float suits any working pressure up to the maximum recommended of 5 bar (72psi) for the full bore valve or 10 bar (150psi) for the reduced bore valve.



Technical help

For further technical data, product specifications and general information please contact our Customer Service Department at the telephone number shown below.

The range of EBCO high flow rate Float Valves are simple and robust and can reliably self-compensate for changes in water supply pressures. One size of seat and one size of ball float will suit any working pressure up to the maximum recommendation of 10bar (150psi) for the reduced bore float valve or 5bar (72psi) for the full bore float valve. Even at these pressures the full bore or reduced bore seat combined with the hydraulically balanced closing action gives fast, quiet and smooth shut-off. Valves are available in 1/2" to 6" sizes with BSP male threaded or flanged inlets.



Technical data

● **Mark 1 (Full Bore)**
 Pressures: Working: 5bar (72psi)
 Test (Max): 10bar (150psi)
 Integral full bore seat gives full high flow rates

● **Mark 2 (Reduced Bore)**
 Pressures: Working: 10bar (150psi)
 Test (Max): 20bar (300psi)

The pressures stated above apply with water temperatures up to 20°C

Temperature (Mark 1 and 2)

Up to 65°

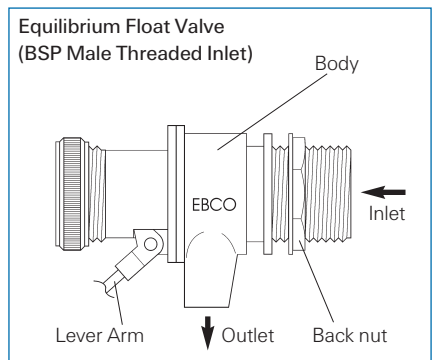
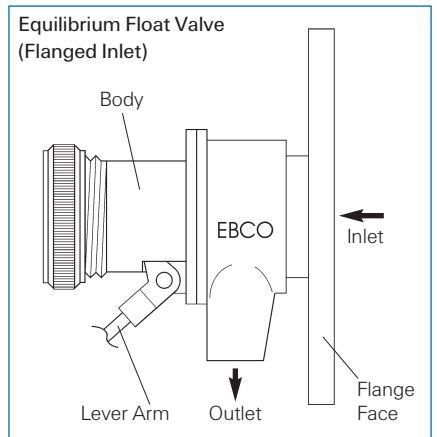
Temperature increases may affect the installed life of the product. For further information relating to operating temperatures please contact our customer service department at the telephone number shown below.

Materials (Mark 1 and 2)

Body: Gunmetal
 Lever arm: DZR Brass
 Lever arm claw: Gunmetal
 Ball Float: Copper
 Back nut: Plastic, Brass or Gunmetal

Safety

As with all industrial products it is important to take adequate safety precautions such as the use of adequate protective clothing like gloves, overalls, eye protection and safety footwear during installation, use and maintenance of this product.



Range - Mark 1 Equilibrium Float Valve - Full Bore Seat

Size	1/2" [~]	3/4" ^{**}	1" ^{**}	1 1/4" ^{**}	1 1/2" ^{**}	2" ^{**}	2 1/2" ^{**}	3" ^{**}	4" ^{**}
Float Valve internal bore	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Recommended diameter of ball float	4 1/2"	5 1/2"	6"	7"	8"	12"	14"	15"	16"
Method of lever/float valve attachment	Stud	Stud	Stud	Stud	Stud	Stud	Claw	Claw	Claw
Thread size of lever to stud/claw attachment	5/16"	3/8"	3/8"	7/16"	1/2"	9/16"	3/4"	3/4"	7/8"
Length from inlet flange to end of ball	17"	22"	25"	27"	30"	36"	39"	42"	47"
Length of lever arm	10"	13"	16"	17"	18"	19"	20"	21"	23"
Length of Screwed inlet (BSP threaded versions only)	1 1/4"	1 1/2"	1 1/2"	2"	2 1/4"	2 1/2"	3"	3 1/2"	4"
Centre line of valve to bottom outlet	1"	1 1/2"	2"	2 1/4"	2 1/2"	3"	3 1/4"	3 3/4"	4 3/4"

The Mark 1 Equilibrium float valve is available in sizes 1/2" to 4" and is primarily designed for use at pressures of up to 5bar (72psi)

[~] Only available with BSP threaded inlets

* Available with BSP threaded inlets or Flanged inlets

Range - Mark 2 Equilibrium Float Valve - Reduced Bore Seat

Size	3/4" [~]	1" [~]	1 1/4" [~]	1 1/2" [~]	2" [~]	2 1/2" ^{**}	3" ^{**}	4" ^{**}	6" ^{**}
Float Valve internal bore	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Recommended diameter of ball float	4 1/2"	5 1/2"	6"	7"	8"	12"	14"	15"	16"
Method of lever/float valve attachment	Stud	Stud	Stud	Stud	Stud	Stud	Claw	Claw	Claw
Thread size of lever to stud/claw attachment	5/16"	3/8"	3/8"	7/16"	1/2"	9/16"	3/4"	3/4"	7/8"
Length from inlet flange to end of ball	17"	22"	25"	27"	30"	36"	39"	42"	47"
Length of lever arm	10"	13"	16"	17"	18"	19"	20"	21"	23"
Length of Screwed inlet (BSP threaded versions only)	1 1/2"	1 1/2"	2"	2 1/4"	2 1/2"	3"	3 1/2"	4"	5"
Centre line of valve to bottom outlet	1"	1 1/2"	2"	2 1/4"	2 1/2"	3"	3 1/4"	3 3/4"	4 3/4"

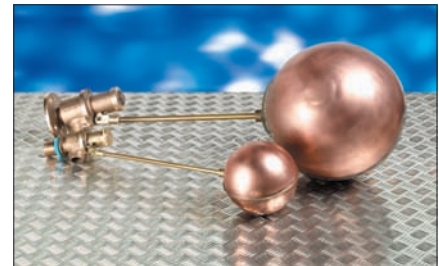
The Mark 2 Equilibrium float valve is available in sizes 3/4" to 6" and is primarily designed for use at pressures of up to 10bar (150psi)

[~] Only available with BSP threaded inlets

* Available with BSP threaded inlets or Flanged inlets

Notes

- To conform with the current UK anti-backsiphonage requirements no provision is made for the attachment of a silencing pipe to the outlet.
- These valves must be fitted with a copper ball float. Using a lightweight plastic float may impair the action of the valve.
- These fittings are designed for the conveyance of cold potable water. Save with the express written approval of EBCO, no warranty is given that the fittings are suitable for any other purpose.



Associated Products



The EBCO range of gunmetal stopcocks and plugcocks provide a reliable and robust selection of shut off devices for use with PE, copper or threaded iron pipes. The range consists of three basic types:

- BS5433 - This screwdown type stopcock is available for use with metric and imperial PE pipe using either compression type outlets or the EBCO Push Fit connection, type B copper pipe or threaded pipe in nominal sizes 20mm (1/2") to 63mm (2")
- BS2580 - This 1/4 turn plugcock is available for use with metric and imperial PE pipe using either compression type outlets or the EBCO Push Fit connection in 25mm (3/4") and 32mm (1")
- WIS 4-23-04 - This 1/4 turn or 360° spherical type shut off device is available with either 1/2" to 2" BSP female threaded connections or 25mm (3/4") or 32mm (1") connections for PE pipe using the EBCO Push Fit connection.

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We reserve the right to change the design and specification without notice.

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