

## **EBCO EQUILIBRIUM FLOAT VALVES FOR WATER SERVICES**

Mark 1 and 2 for water services



# EBCO EQUILIBRIUM FLOAT VALVES

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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 MK2 reduced bore float valve or 5bar (72psi) for the MK1 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:

- 3/4" to 6" MK 2 Reduced Bore - BSP Threaded
- 3" to 6" MK 2 Reduced Bore - Flanged
- 1/2" to 4" MK 1 Full Bore - BSP Threaded
- 3/4" to 4" MK 1 Full Bore - Flanged

## 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.

## 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 23°C

Temperature increases above 23°C may affect the installed life of the product.

### Materials (Mark 1 and 2)

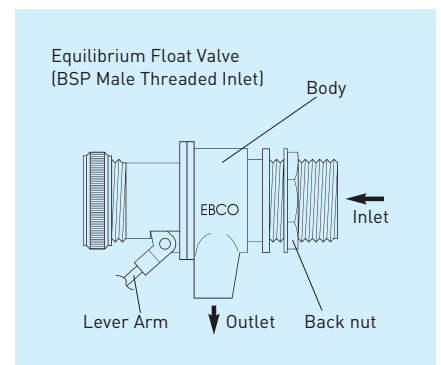
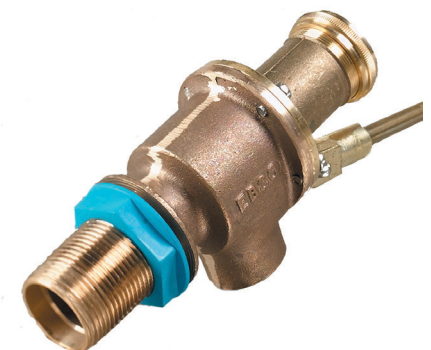
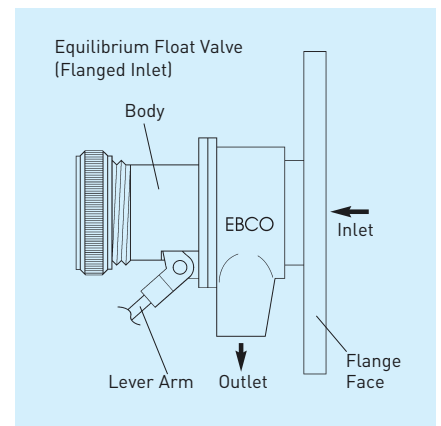
- Body: Gunmetal or DZR Brass
- Lever arm: DZR Brass
- Lever arm claw: Gunmetal
- Ball Float: Copper
- Back nut: Plastic, Brass or Gunmetal

## 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.

## WRAS

WRAS approved for conveyance of cold potable water 23°C



# EBCO EQUILIBRIUM FLOAT VALVES

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## Range - Mark 1 Equilibrium Float Valve - Full Bore Seat

Size	½" **	¾" *	1" *	1 ¼" **	1 ½" *	2" *	2 ½" *	3" *	4" *
Float Valve internal bore	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
Recommended diameter of ball float	4 ½"	5 ½"	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"	½"	9/16"	¾"	¾"	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 version only)	1 ¼"	1 ½"	1 ½"	2"	2 ¼"	2 ½"	3"	3 ½"	4"
Centre line of valve to bottom outlet	1 1/8"	1 ½"	1 5/8"	2 ¼"	2 9/16"	3"	3 ¼"	3 ¾" & 4 ½" ***	4 ¾"

The Mark 1 Equilibrium float valve is available in sizes ½" to 4" and is primarily designed for use at pressures of up to 5 bar (72psi)

\* Available with BSP threaded inlets or flanged inlets

\*\* Only available with BSP threaded inlets

\*\*\* MK1 4 ½" for NP16 and ASA125 Flanged

## Range - Mark 2 Equilibrium Float Valve - Reduced Bore

Size	¾" *	1" *	1 ½" **	2" **	2 ½" **	3" *	4" *	6" *
Float Valve internal bore	½"	¾"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
Recommended diameter of ball float	4 ½"	5 ½"	7"	8"	12"	14"	15"	16"
Method of lever/float valve attachment	Stud	Stud	Stud	Stud	Stud	Claw	Claw	Claw
Thread size of lever to stud/claw attachment	5/16"	3/8"	7/16"	½"	9/16"	¾"	¾"	7/8"
Length from inlet flange to end of ball	17"	22"	27"	30"	36"	39"	42"	47"
Length of lever arm	10"	13"	17"	18"	19"	20"	21"	23"
Length of screwed inlet (BSP threaded version only)	1 ½"	1 ½"	2 ¼"	2 ½"	3"	3 ½"	4"	5"
Centre line of valve to bottom outlet	1 ¼"	1 5/8"	2 ¼"	2 ½"	3"	3 ¼" & 3 ¾" ***	3 ¾"	4 ¾"

The Mark 2 Equilibrium float valve is available in sizes ¾" to 6" and is primarily designed for use at pressures of up to 10 bar (150psi)

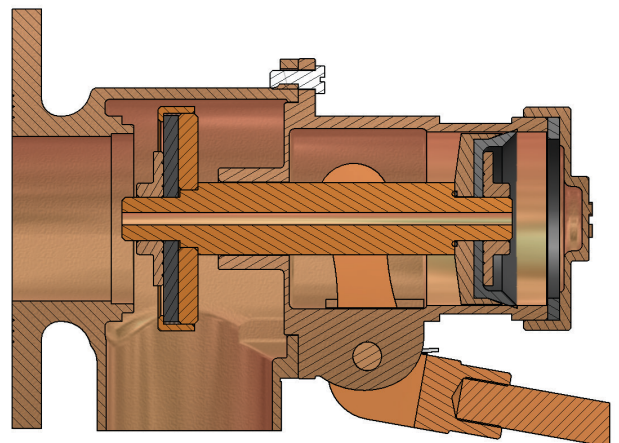
\* Available with BSP threaded inlets or flanged inlets

\*\* Only available with BSP threaded inlets

\*\*\* MK2 3 ¾" for NP16 and Table E Flanged

### 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 light weight 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.



The technical data and performance may be modified without prior notice depending on the technical advances.

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Note: Specifications may be changed without notification at any time.  
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TDS\_FLV220901\_EBCO Float Valve\_EN

