

# Floatvalve equilibrium pattern reduced bore

## RANGE

Pattern Number	Size	Piston Material	Backnut Material	Seat Bore	Tail Length	Lever Length	Recommended Copper	Float Size Plastic	Weight Approx kg
BS 900101	1/2"	Brass	Brass	5/16"	1 1/4"	11"	4 1/2" x 5/16" W	4 1/2" x 5/16" W	0.47
BS 900102	3/4"	Brass	Brass	1/2"	1 1/4"	12 7/8"	5 1/2" x 5/16" W	5" x 5/16" W	0.91
BS 900103	1"	Brass	Brass	3/4"	1 1/2"	10 1/16"	6" x 7/16" W	6" x 7/16" W	1.56
BS 900104	1 1/4"	Bronze	Bronze	1 1/64"	1 7/8"	10 13/16"	8" x 9/16" W	8" x 9/16" W	3.40
BS 900105	1 1/2"	Bronze	Bronze	1 3/16"	1 7/8"	10 13/16"	10" x 9/16" W	10" x 9/16" W	3.42
BS 900106	2"	Bronze	Bronze	1 1/2"	2 1/8"	11 1/8"	12" x 5/8" W	12" x 5/8" W	5.84
BS 900107	2 1/2"	Bronze	Bronze	2 1/4"	3"	19"	12" x 9/16" W		5.11
BS 900108	3"	Bronze	Bronze	2 1/2"	3 1/2"	20"	14" x 3/4" W		8.25
BS 900109	4"	Bronze	Bronze	3"	4"	21"	15" x 3/4" W		12.78
BS 900110	6"	Bronze	Bronze	4"	5"	23"	16" x 7/8" W		24.55

Note: Where two sizes or two patterns of floatvalve are capable of providing the required flow rate, select the smaller size if the indicated flow rate is more than 10% in excess of the flow rate required.

## FLOW RATE & SIZE SELECTION (gpm)

Static Pressure		901 - Floatvalve Size									
Bar	PSI	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
0.5	7.2	4.9	12.5	28.0	50.0	70.0	110.0	250.0	310.0	450.0	800.0
1.0	14.5	6.9	17.7	38.0	71.0	100.0	150.0	350.0	440.0	630.0	1130.0
1.5	21.7	8.4	21.7	48.0	87.0	120.0	190.0	430.0	540.0	770.0	1380.0
2.0	29.0	9.7	25.0	55.0	100.0	140.0	220.0	500.0	620.0	890.0	1600.0
2.5	36.2	10.9	28.0	62.0	112.0	150.0	250.0	560.0	690.0	1000.0	1780.0
3.0	43.5	11.9	31.0	68.0	122.0	170.0	270.0	610.0	760.0	1100.0	1950.0
4.0	58.0	13.8	35.0	80.0	142.0	190.0	320.0	710.0	880.0	1270.0	2250.0
5.0	72.0	15.3	39.0	88.0	157.0	220.0	350.0	790.0	980.0	1400.0	2500.0
6.0	87.0	16.8	43.0	96.0	173.0	240.0	380.0	870.0	1070.0	1550.0	2750.0
7.0	101.0	18.2	46.0	104.0	186.0	260.0	420.0	940.0	1160.0	1670.0	2950.0
8.0	116.0	19.5	50.0	110.0	200.0	280.0	440.0	1000.0	1250.0	1800.0	3200.0
9.0	130.0	20.7	53.0	118.0	212.0	300.0	470.0	1060.0	1320.0	1900.0	3400.0
10.0	145.0	21.7	56.0	125.0	223.0	315.0	500.0	1120.0	1390.0	2000.0	3550.0
11.0	159.0	22.8	59.0	130.0							
12.0	174.0	23.8	61.0	136.0							
13.0	188.0	24.9	64.0	142.0							
14.0	203.0	25.7	66.0	148.0							

NOT SUITABLE FOR PRESSURES  
ABOVE 10 BAR



## MATERIAL SPECIFICATION

Component	Material	
Size		
Body	Brass	Gunmetal
Inlet shank	Brass	Gunmetal
Coupling nut	Brass	Gunmetal
Joint washers	Fibre (non asbestos)	Fibre (non asbestos)
Seat	Brozen	Gunmetal
Piston	Brass	Gunmetal
Piston guide	Brass	Gunmetal
Piston 'O' ring	EPDM	Nitrile
Retaining cap/End cap	Brass	Gunmetal
Piston washer	Rubber	EPDM
Fixed flange backnut	Brass	Gunmetal
Lever heel	Brass	Gunmetal
Spigot backnut/loose	Brass	Gunmetal
Sealing washer		Fibre (non asbestos)
Split pin	Brass	Brass
Retaining washer	-	Stainless Steel
Retaining bolt	-	Stainless Steel
Lever nuts	Brass	N/A
Lever arm	Brass	HT Brass

Flow Rate and Size Section Chart general notes:

The discharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M. that will occur at various static heads for each size of floatvalve or for each size of seat in floatvalves that accept a variety of seat sizes. The flow rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.