

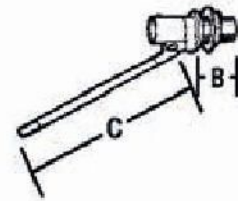
# Float valve Portsmouth pattern high pressure

SIZES							
							855-Z
Range	½"*	¾"	1"	1¼"	1½"	2	½"
Code	BR 8007	BR 8008	BR 8009	BR 8010	BR 8013	BR 8014	BR 8017

DIMENSIONS (mm)							
							855-Z
Range	½"*	¾"	1"	1¼"	1½"	2	½"
A = BORE	⅛"	¼"	⅜"	7/16"	2⅛"	15/16"	⅛"
B	1¼"	1½"	1½"	2"	2⅞"	2⅞"	1¼"
C	10"	13"	14"	16"	26"	26"	10"
Weight kg	0.26	0.45	0.83	0.94	2.68	2.68	0.29



FLOW RATE & SIZE SELECTION (gpm)								
	Static Pressure		855 Floatvalve					
	psi	Feet	½"	¾"	1"	1¼"	1½"	2"
LOW PRESSURE	0.5	1.15	0.25	0.82	1.85	2.50	5.90	11.70
	1.0	2.30	0.35	1.16	2.60	3.50	8.30	16.50
	2.0	4.60	0.50	1.65	3.70	4.90	11.80	23.50
	4.0	9.20	0.70	2.33	5.20	6.90	16.60	33.70
	7.0	16.10	0.93	3.10	6.90	9.20	21.90	43.10
	10.0	23.10	1.10	3.70	8.20	11.00	26.30	52.50
	15.0	34.60	1.40	4.50	10.10	13.50	32.30	64.40
	20.0	46.20	1.60	5.20	11.70	15.60	37.30	74.40
	25.0	57.70	1.76	5.80	13.00	17.40	41.60	83.10
	30.0	69.30	1.93	6.40	14.30	19.10	45.60	91.00
HIGH PRESSURE	35.0	80.80	2.10	6.90	15.40	20.60	49.20	98.30
	40.0	92.40	2.20	7.40	16.50	22.00	52.60	105.00
	50.0	115.00	2.50	8.20	18.40	24.60	58.70	117.00
	60.0	138.00	2.70	9.00	20.20	27.00	64.40	128.00
	70.0	161.00	2.90	9.60	21.50	28.80	68.60	136.00
	80.0	184.00	3.10	10.30	23.30	31.00	74.00	147.00
	90.0	207.00	3.30	11.00	24.70	33.00	79.00	157.00
	100.0	231.00	3.50	11.60	26.00	34.70	84.00	165.00
	110.0	254.00	3.70	12.20	27.30	36.50	87.00	173.00
	125.0	289.00	3.90	13.00	29.20	39.00	93.00	186.00
	150.0	346.00	4.30	14.20	31.80	42.50	101.00	202.00
	175.0	404.00	4.60	15.30	34.40	46.00	109.00	218.00
	200.0	462.00	5.00	16.50	37.00	49.40	118.00	235.00



Flow Rate and Size Selection 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.

Note: Where the same flow rate is quoted for 2 sizes of floatvalve, select the smaller size if the indicated flow rate is more than 5% in excess of the flow rate required.

RANGE							Recommended Float Size	
	Size	Piston Material	Backnut Material	Seat Bore	Tail Length	Lever Length	Copper	Plastic
							HIGH PRESSURE	½"
	½"*	Brass	Brass	⅛"	1¼"	10"	4 ½" x 5/16" W	4 ½" x 5/16" W
	¾"	Brass	Brass	¼"	1½"	13"	5 ½" x 5/16" W	5" x 5/16" W
	1"	Brass	Brass	⅜"	1½"	14"	6" x 3/8" W	6" x 3/8" W
	1¼"	Brass	Brass	7/16"	2"	16"	8" x 3/8" W	8" x 3/8" W
	1½"	Brass	Brass	5/8"	2"	21 2⅛"	10" x 1/2" W	10" x 1/2" W
	2"	Brass	Brass	5/8"	2"	21 2⅛"	12" x 1/2" W	12" x 1/2" W
LOW PRESSURE	¾"	Brass	Brass	7/32"	1¼"	7¼"	-	3" x 5/16" W
	½"	Nylon	Brass	7/32"	1¼"	10"	4 ½" x 5/16" W	4 ½" x 5/16" W
	½"*	Brass	Brass	7/32"	1¼"	10"	4 ½" x 5/16" W	4 ½" x 5/16" W
	¾"	Brass	Brass	3/8"	1½"	13"	5 ½" x 5/16" W	5" x 5/16" W

## MATERIAL SPECIFICATION

Component	Material
Body	Brass
Piston	Brass/Nylon*
Piston washer	NBR
Cotter pin	Brass
Lever	Brass
Backnut	Brass

Maximum cold working pressure (bar)  
14.0 bar at temperature up to 85 °C

Maximum hot working pressure (bar)  
Not suitable for maximum hot working pressure