857B/859B Floatvalve Bronze seat BS 1212 Part one high pressure

Pegler

FLOATVALVES to BS 1212

Pattern Number	Size	Piston Material	Backnut material	Seat Bore	Tail Length	Lever Length	Order Code
BS 1212 Part One. High Pressure. Bronze seat							
857 B-Y	½"	B	B	No 3 (⅛")	1¼"	8¾"	514097
857 B-V	½"	B	B	No 3 (⅛")	1⅞"	10½"	514127
857 B	¾"	B	B	No 6 (¼")	1¼"	13"	514078
857 B	1"	Bz	B	No 9 (⅜")	1½"	16"	514079
BS 1212 Part One. Low Pressure. Bronze seat							
859 B	½"	B	B	No 9 (⅜")	1¼"	8¾"	515037

Note: Shading denotes variation to standard ½"
Specification key: B = Brass, N = Nylon, Bz = Bronze



FLOW RATE & SIZE SELECTION (gpm)

	Static Pressure		857/ 859 Floatvalve		
	psi	Feet	⅛"	¼"	⅜"
LOW PRESSURE	0.5	1.15	0.20	0.82	1.84
	1.0	2.30	0.29	1.16	2.61
	2.0	4.60	0.41	1.65	3.69
	4.0	9.20	0.58	2.33	5.22
	7.0	16.10	0.77	3.08	6.90
	10.0	23.10	0.92	3.69	8.27
	15.0	34.60	1.13	4.52	10.10
	20.0	46.20	1.31	5.22	11.70
	25.0	57.70	1.46	5.82	13.00
	30.0	69.30	1.60	6.40	14.30
	35.0	80.80	1.73	6.90	15.50
	40.0	92.40	1.85	7.38	16.50
MEDIUM PRESSURE	50.0	115.00	2.06	8.24	18.50
	60.0	138.00	2.26	.02	20.20
	70.0	161.00	2.44	9.74	21.80
	80.0	184.00	2.60	10.40	23.30
	90.0	207.00	2.76	11.00	24.70
	100.0	231.00	2.92	11.60	26.10
HIGH PRESSURE	110.0	254.00	3.06	12.20	27.40
	125.0	289.00	3.26	13.10	29.20
	150.0	346.00	3.58	14.30	32.00
	175.0	404.00	3.86	15.40	34.60
	200.0	462.00	4.13	16.50	37.00

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 floe 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.

MATERIAL SPECIFICATION

Component	Material
Body	Brass
Body cap	Brass
Lever	Brass
Lever nut	Brass
Cotter pin	Brass
Body union nut	Brass
Tail pipe	Brass
Union nut washer	Fibre
Back nut washer / Spigot nut	Brass/Nylon
Seals	Bronze
Piston	Brass
Piaton washer	NBR
Cap seal	NBR