

# 855 M0H Floatvalve Portsmouth pattern high pressure

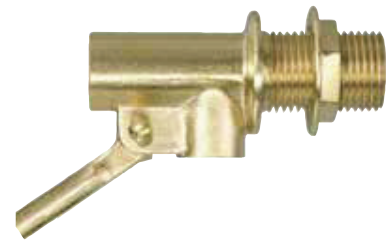
# Pegler

## SIZES

855-Z							
Range	1/2"*	3/4"	1"	1 1/4"	1 1/2"	2	1/2"
Code	518007	518008	518009	518010	518013	518014	518017

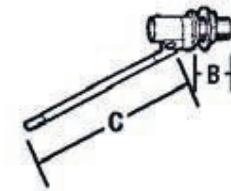
## DIMENSIONS (mm)

855-Z							
Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2	1/2"
A = BORE	1/8"	1/4"	3/8"	7/16"	21/32"	15/16"	1/8"
B	1 1/4"	1 1/2"	1 1/2"	2"	2 3/16"	2 3/16"	1 1/4"
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	1/2"	3/4"	1"	1 1/4"	1 1/2"	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	1/2"	Nylon	Brass	1/8"	1 1/4"	10"	4 1/2" x 5/16" W	4 1/2" x 5/16" W
	1/2"*	Brass	Brass	1/8"	1 1/4"	10"	4 1/2" x 5/16" W	4 1/2" x 5/16" W
	3/4"	Brass	Brass	1/4"	1 1/2"	13"	5 1/2" x 5/16" W	5" x 5/16" W
	1"	Brass	Brass	3/8"	1 1/2"	14"	6" x 3/8" W	6" x 3/8" W
	1 1/4"	Brass	Brass	7/16"	2"	16"	8" x 3/8" W	8" x 3/8" W
	1 1/2"	Brass	Brass	5/8"	2"	21 21/32"	10" x 1/2" W	10" x 1/2" W
	2"	Brass	Brass	5/8"	2"	21 21/32"	12" x 1/2" W	12" x 1/2" W
LOW PRESSURE	3/8"	Brass	Brass	7/32"	1 1/4"	7 1/4"	-	3" x 5/16" W
	1/2"	Nylon	Brass	7/32"	1 1/4"	10"	4 1/2" x 5/16" W	4 1/2" x 5/16" W
	1/2"*	Brass	Brass	7/32"	1 1/4"	10"	4 1/2" x 5/16" W	4 1/2" x 5/16" W
	3/4"	Brass	Brass	3/8"	1 1/2"	13"	5 1/2" 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

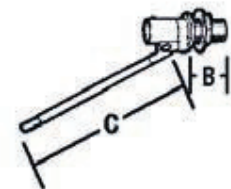
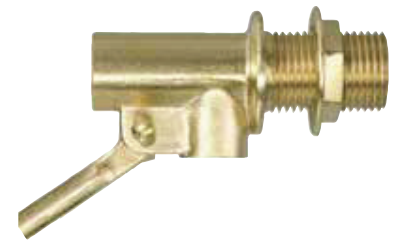
# 856 M0H Floatvalve Portsmouth pattern low pressure



SIZES				
856-Z				
Range	3/8"	1/2"	3/4"	1/2"
Code	519006	519007	519008	519017

DIMENSIONS (mm)				
856-Z				
Range	3/8"	1/2"	3/4"	1/2"
A = BORE	7/32"	7/32"	3/8"	7/32"
B	1 1/4"	1 1/4"	1 1/4"	1 1/4"
C	10"	10"	13"	10"
Weight kg	0.25	0.26	0.45	0.29

FLOW RATE & SIZE SELECTION (gpm)					
	Static Pressure		856 Floatvalve		
	psi	Feet	3/8"	1/2"	3/4"
LOW PRESSURE	0.5	1.15	0.61	0.61	1.85
	1.0	2.30	0.86	0.86	2.60
	2.0	4.60	1.20	1.20	3.70
	4.0	9.20	1.70	1.70	5.20
	7.0	16.10	2.30	2.30	6.90
	10.0	23.10	2.70	2.70	8.20
	15.0	34.60	3.30	3.30	10.10
	20.0	46.20	3.90	3.90	11.70
	25.0	57.70	4.30	4.30	13.00
	30.0	69.30	4.70	4.70	14.30
	35.0	80.80	5.10	5.10	15.40
	40.0	92.40	5.50	5.50	16.50



### 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.

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RANGE							Recommended Float Size	
	Size	Piston Material	Backnut Material	Seat Bore	Tail Length	Lever Length	Copper	Plastic
LOW PRESSURE	3/8"	Brass	Brass	7/32"	1 1/4"	7 1/4"	-	3" x 5/16" W
	1/2"	Nylon	Brass	7/32"	1 1/4"	10"	4 1/2" x 5/16" W	4 1/2" x 5/16" W
	1/2"*	Brass	Brass	7/32"	1 1/4"	10"	4 1/2" x 5/16" W	4 1/2" x 5/16" W
	3/4"	Brass	Brass	3/8"	1 1/2"	13"	5 1/2" x 5/16" W	5" x 5/16" W

MATERIAL SPECIFICATION	
Component	Material
Body	Brass
Piston	Brass
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