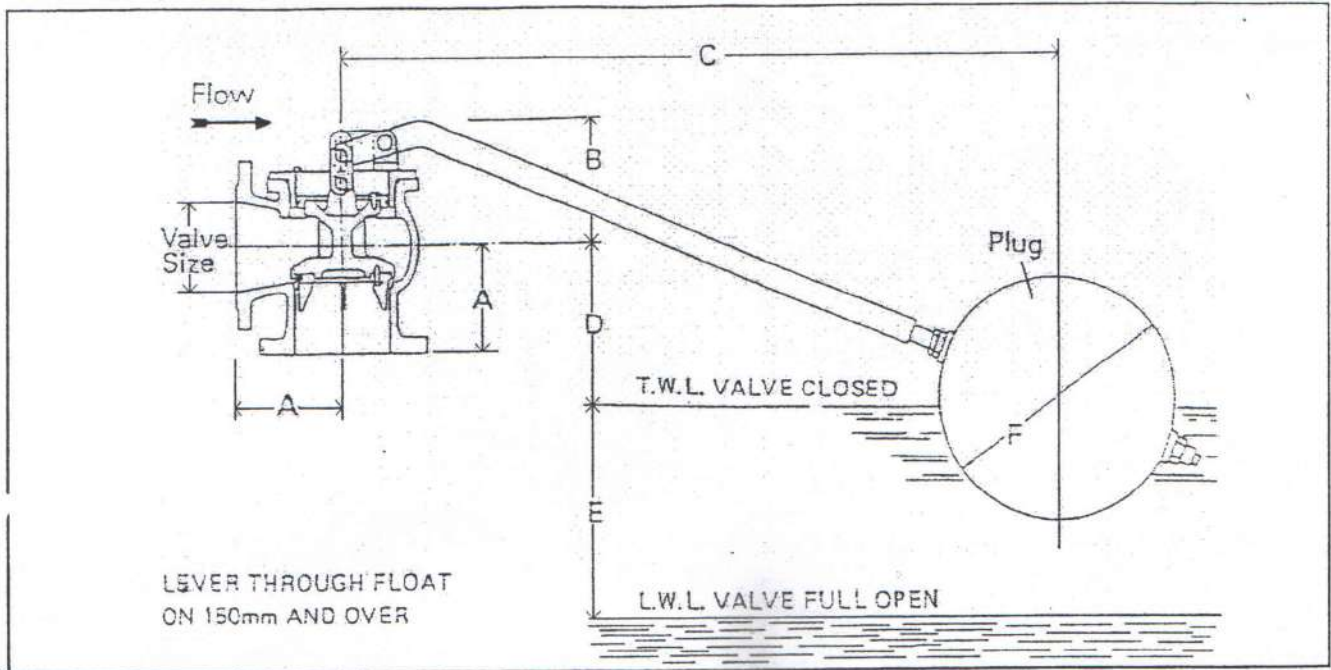


LYE CAST IRON

BALL FLOAT VALVE COMPLETE WITH COPPER BALL & PAINTED WITH WET EPOXY COATING

®



Valve Size	A		B		C		D		E		F		APPROX. WEIGHT		MAX RECOMMEND DISCHARGE		
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	lb	l/sec	Gal/min	
100	4	140	5½	160	6¼	1000	39½	180	7	330	13	360	14	33	73	25	330
150	6	180	7	210	8¼	1250	49¼	220	8¾	480	19	380	15	66	146	55	725
200	8	220	8¾	270	10¼	1500	59	270	10¾	650	25¾	410	16	118	260	97	1275
250	10	250	10	330	13	1800	70¾	310	12¼	810	32	460	18	184	405	152	2000

An improved design of Ball Float Valve, normally fitted within a tank or reservoir which automatically controls the rate of filling, and will shut off when a predetermined level is reached.

APPLICATION

General purpose, but is particularly suitable for use with gravity mains of short to moderate length.

DESIGN

Single-beat type with balancing piston, direct float and lever operation. The relatively long actuating lever provides a long float travel for full valve travel, securing a slow rate of valve closure and, consequently, a danger of inducing pressure rises within the main is avoided.

FEATURES

- Shaped body to give good flow pattern.
- Flanged outlet (for fitting downpipe if desired).
- Lined removable cylinder.

- Rubber face securely held in position.
- Rounded profile on seat ring to give tight shut-off.
- Rubber seal in piston.
- All internal parts are easily removable for maintenance.
- Float in control of valve at all positions of travel.
- Face and piston seals are easy to replace.

CONSTRUCTION

- Body, Cylinder, Fulcrum Bracket and Piston 150 - 250 mm (6 - 10 inches) Meehanite Cast Iron
- Piston 100 mm (4 in), Seat, Guides and Piston Seal Holder 150 - 250 mm (6 - 10 inches) Gunmetal
- Face and Seals - Synthetic Rubber
- Liner and Pins - Bronze
- Links - Mild Steel Cadmium Plated
- Lever - Mild Steel
- Float - Tinned Copper

PRESSURE RATING

- Maximum working pressure 10 bar (145 lb/in²).
- Body test pressure 16 bar (232 lb/in²).
- Closed assembly test pressure 10 bar (145 lb/in²).

TEMPERATURE RATING

- Tinned copper float maximum - 50°C
- Brazed copper float maximum - 100°C

FLOW RATING

The maximum recommended inlet velocity is 3 M/s (10 ft/sec). It is advisable to fit ported guides when slow flow with high heat is passing the valve for long period.

FLANGES

- Flanges are normally supplied to BS 4504:1969 PN 10,
- Flanges to BS 10:1962 Table 'E' and ANSI specifications can be supplied to order.
- Outlet flange is drilled only when requested.