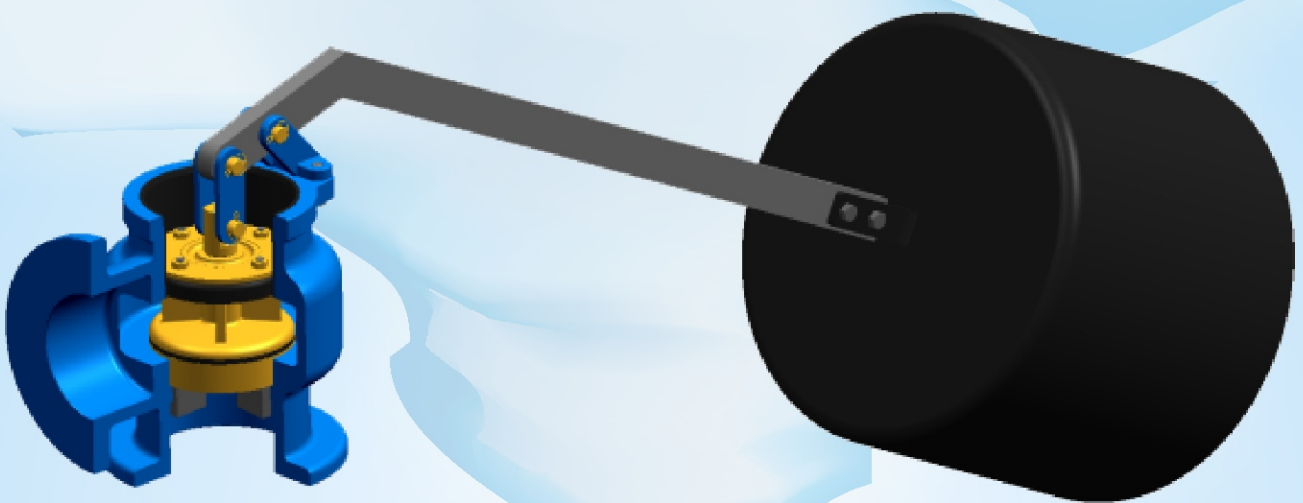




## Series 7354 Equilibrium Float Valves



# Series 7354 Equilibrium Float Valves

## VOSA Equilibrium Float Valve Design

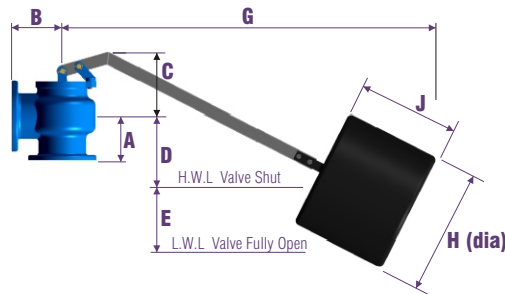
Equilibrium (ball) float valves are mechanical float valves used to automatically control the levels in tanks and reservoirs. These valves are particularly suited for level control in gravity mains of short to moderate lengths.

The VOSA Equilibrium Float Valve design has a relatively long actuating lever, providing for a long float travel to ensure a slow rate of valve closure and a reduction of induced pressure rises within the main.

## Pressure Ratings and Valve Fig. Numbers

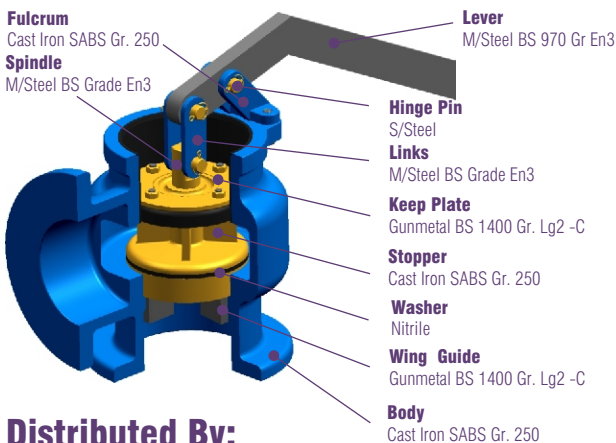
Valve Size DN	Seat Press. Rating	Body Press. Rating	Flange Rating PN	Fig. No.
50 - 200	10 bar	16 bar	10 bar	7354

## Overall Dimensions and Weights

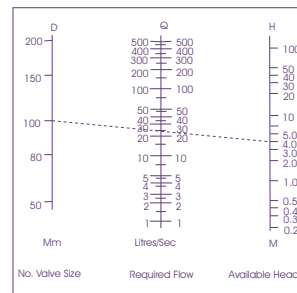


Size DN	A	B	C	D	E	F	G	H	I	WEIGHT (kg)
50	105	89	130	140	255	300	1135	300	300	13
80	124	102	167	152	295	300	1350	350	350	22
100	146	140	220	190	365	350	1450	350	350	36
150	178	203	254	254	550	430	1530	500	400	74
200	184	241	340	210	610	430	1630	500	400	110

## Materials of Construction



## Sizing Nomogram



Basic Formula:

$$D = 29.4 \sqrt{\frac{Q}{H}}$$

Recommended maximum capacity based on 3 m/s pipe velocity:

Size DN	Flow litres/sec
50	6
80	14
100	24
150	55

The Chart involves 3 factors:

1. Valve bore (D) in mm
2. Available pressure (H) in metres head. This is the dynamic head available.
3. Maximum Flow in (Q) in litres per second.

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