

Float Valves (Ball Float / Equilibrium Type) — Material Variant Table

Float valves use a float-actuated pilot mechanism to open and close the main valve automatically as tank or reservoir levels rise and fall, maintaining a set water level without manual intervention or external power. Equilibrium construction balances line pressure across the disc for smooth, low-torque operation even at large sizes. Standard for reservoir, elevated tank and treatment plant level control.

Material Variant	Body / Major Components	Trim (Seat / Disc / Stem)	End Connections	Design Standard	Pressure Rating	Operation	Size Range (NB)
Cast Iron Equilibrium Ball Float Valve	Body & Piston: Cast Iron IS 210 Gr. 200. Winged Guide: Cast Iron IS 210 Gr. 200	Body Seat & Guide Sleeve: Lead Tin Bronze IS 318 LTB2. Valve Face: Nitrile / Synthetic Rubber. Piston Ring: Rubber. Ball Float: Copper. Valve Plate, Links & Lever: MS IS 2062 EA 250. Set Screws / Bolts & Nuts: Carbon Steel IS 1367 CI 4.6/4.0	Flanged, companion flanges/bolts/nuts/gaskets supplied with valve	Design & testing per Glenfield & Kennedy Cat. H-48; flange drilling IS 1538 FF	Body test 15 kg/sq.cm	Automatic (float-actuated, lever-operated pilot)	Confirm full NB range with foundry (100 mm shown as a representative order size on the reference drawing)
Ductile Iron (DI) Body Float Valve *	Body & Piston: Ductile Iron (GGG40 / SG Iron equivalent)	Same trim construction as Cast Iron variant (Bronze seat/guide sleeve, copper float, MS lever) pending confirmation	Flanged, companion flanges/bolts/nuts/gaskets supplied with valve	Design & testing per Glenfield & Kennedy Cat. H-48; flange drilling IS 1538 FF	Body test 15 kg/sq.cm	Automatic (float-actuated, lever-operated pilot)	Confirm full NB range with foundry
Cast Steel (WCB) Body Float Valve *	Body & Piston: ASTM A216 Gr. WCB	Same trim construction as Cast Iron variant (Bronze seat/guide sleeve, copper float, MS lever) pending confirmation	Flanged, companion flanges/bolts/nuts/gaskets supplied with valve	Design & testing per Glenfield & Kennedy Cat. H-48; flange drilling IS 1538 FF	Body test 15 kg/sq.cm	Automatic (float-actuated, lever-operated pilot)	Confirm full NB range with foundry



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