

Air Release Valves — Material Variant Table

Air release valves automatically vent trapped and accumulated air from the high points of pressurised pipelines, preventing airlock, flow restriction and surge damage. Single-ball, double-ball and kinetic variants combine large-orifice air release at low pressure with fine venting once the line is pressurised. Essential fittings on water transmission mains, rising mains and irrigation pipelines.

Material Variant	Body / Cover	Ball / Float (LP & HP)	End Connections	Standard	Rating	Size Range (NB)
Cast Iron Air Release Valve (Single / Double Ball / Kinetic)	Cast Iron IS 210 Gr. FG 200 / 260	Ball LP: Vulcanite-coated wood or SS. Ball HP: Natural rubber-coated wood or SS	Screwed up to 40 mm; Flanged 50–200 mm	IS 14845:2000	PN 1.0 / 1.6	25 – 200 mm
Cast Steel Air Release Valve (Single / Double Ball / Kinetic)	ASTM A216 Gr. WCB	Ball LP & HP: SS 304 / SS 316	Screwed up to 40 mm; Flanged 50–200 mm	IS 14845:2000	PN 1.0 / 1.6	25 – 200 mm
Gun Metal / Bronze Air Release Valve (Single)	Body, Cover, Nozzle: Lead Tin Bronze IS 318 LTB2	Float: SS 304	Screwed	Manufacturer's Standard	PN 1.0 / 1.6	25 – 50 mm



For Correspondence

H. O & Works : 160, SADANANDA SRITHI PATH, BALITIKURI, BAKULTALA, VIA DASNAGAR, HOWRAH – 711 113, WB, INDIA.



Regd. Off: AJIT SEN BHAWAN, 13 CROOKED LANE, 2 ND FLOOR, KOLATA-700069, WB, INDIA.