

DOUBLE ORIFICE AIR RELEASE VALVE

APPLICATION

Function & features:

1. Double orifice air valve that combines both large orifice & small orifice functions within one unit. The large orifice allows air to be expelled from the system during filling of a pipeline and admit air back into the system whenever sub-atmospheric pressure occurs. Air is vented from the system until water enters the valve and lifts the float against its seat, ensuring a tight seal. In the event of sub-atmospheric pressure in the system, the water level drops causing the float to fall from its seat and allow the admission of air.
2. During normal working of the main the small orifice releases the air which accumulates under pressure. With the main in operation, the float is normally against its seat. As air enters the chamber body the water level is depressed until a level is reached when the float drops from its seat, which allows air to escape. The consequent rise in water level returns the float to its seat
3. 40mm (1 1/2") - 200mm (8") sizes.



General use :

1. Disposal of large volumes of air during fill of the pipes of system.
2. Add great amount of air to the system during the purge of the pipes.
3. Release of pressurized air pockets during operation.

Service conditions:

1. Potable water, filtered water.
2. Working pressures 0.2 bar up to 16 bar.
3. Temperature range 0°C to +70°C.

Standards

1. Pressure test according to standard IS.14845.2000, EN 12266-1
2. Flange connection ANSI, DIN, AWWA.

Size Selection

Valve Size	Suitable for Pipe Size -NB
40NB	UPTO - 100
50NB	125 TO 200
80NB	200 TO 350
100NB	400 TO 500
150NB	600 TO 900
200NB	1000 TO 1200