

UL / FM Air Release Valves

PRATT®



PRODUCT FEATURES

- Sizes: ½" – 1" (DN15 – DN25)
- UL listed (UL 2575) and FM approved (FM 1344)
- Suitable for use in fire protection services
- Pressure Rating: 175 psi and 300 psi
- Temperature Rating: Water to 180°F
- Ductile Iron (ASTM A536 Gr. 65-45-12) Valve Body and Cover
- Orifice Button and Seal material: EPDM
- Orifice size: 1/16" and 3/32"
- Trim and Float material: 316 Stainless Steel
- Cover Bolts: 316 Stainless Steel
- 12 mils interior and exterior Fusion Bond Epoxy coating for superior corrosion resistance

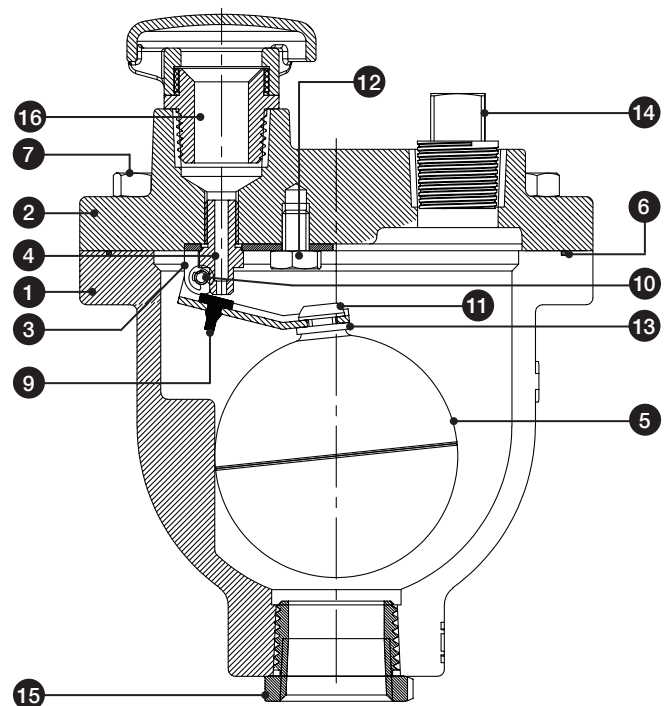
AirPro Max® Series UL/FM WAR Air Release Valves are designed to vent trapped air that collects at high points in a pipeline. These valves continuously release air from piping systems thereby preventing large air pockets to form which can cause

damaging pressure surge to the system. In many installations lacking Air Release Valves, large pockets of air in the pipeline will cause power consumption to increase, and flow to decrease, possibly completely. Another possible result of excessive air accumulation is the inexplicable pipeline rupture that is mistakenly attributed to ground settling or defective pipe. In reality unusually large air pockets can greatly increase the pressure of normally occurring surges to the point where sudden stops and starts of flow can cause a pipe to rupture.

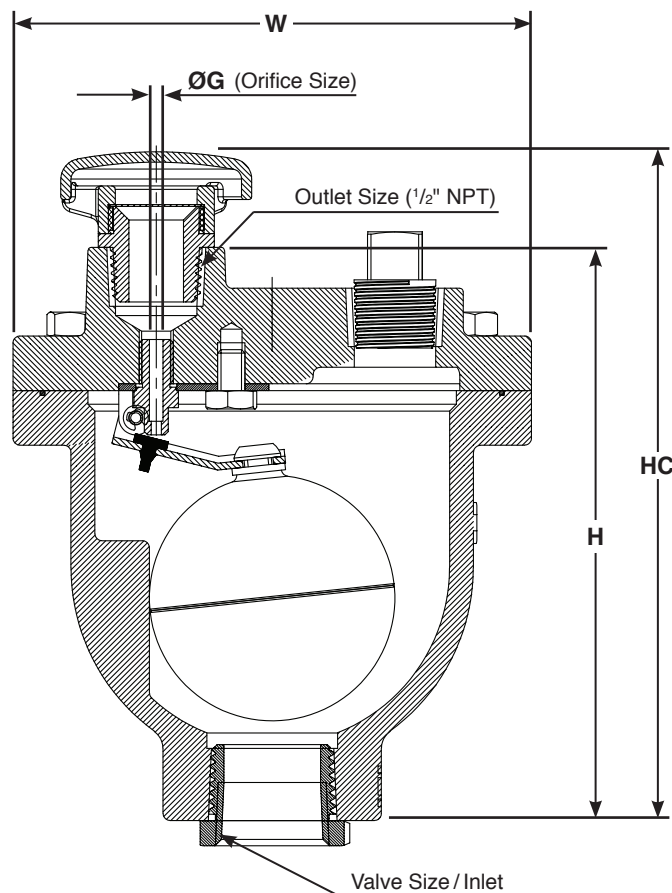
As air accumulates in the air valve, water is displaced, causing the stainless steel float to drop to a point where the valve orifice opens and the accumulated air is exhausted into the atmosphere. The water level in the air valve then rises and closes the valve orifice. This cycle repeats as needed and avoids the formation of potentially destructive air pockets.

PARTS LIST

ID	PART NAME	MATERIAL
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Cover	Ductile Iron A536 Gr. 65-45-12
3	Lever Bracket	316 Stainless Steel
4	Seat	316 Stainless Steel
5	Float	316 Stainless Steel
6	O-Ring	EPDM
7	Cover Bolt	316 Stainless Steel
8	Lever Arm	316 Stainless Steel
9	Button	EPDM
10	Pivot Pin / Ret Ring	Stainless Steel
11	Float Retainer	316 Stainless Steel
12	Positioner	316 Stainless Steel
13	Lock Washer	316 Stainless Steel
14	½" Pipe Plug	316 Stainless Steel
15	Reducer Bushing (If Req'd)	316 Stainless Steel
16	Vent Cap / Screen	Ductile Iron A536 Gr. 65-45-12 / 316 Stainless Steel



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DIMENSIONS – inches (mm)

Valve Size	ØG	Max. CWP	W	H	HC	Pratt Part No.	WT–lbs (kg)
1/2" (DN15)	1/16 (1.6)	175	4 3/4 (121)	5 1/4 (133)	6 1/8 (156)	WAR05-116-175-FS	6.3 (2.8)
3/4" (DN20)	1/16 (1.6)	175	4 3/4 (121)	5 1/4 (133)	6 1/8 (156)	WAR75-116-175-FS	6.3 (2.8)
1" (DN25)	1/16 (1.6)	175	4 3/4 (121)	5 1/4 (133)	6 1/8 (156)	WAR10-116-175-FS	6.3 (2.8)
1/2" (DN12)	3/32 (2.4)	175	5 1/8 (130)	6 (152)	6 7/8 (175)	WAR05-332-175-FS*	8.2 (3.7)
3/4" (DN20)	3/32 (2.4)	175	5 1/8 (130)	6 (152)	6 7/8 (175)	WAR75-332-175-FS*	8.2 (3.7)
1" (DN25)	3/32 (2.4)	175	5 1/8 (130)	6 (152)	6 7/8 (175)	WAR10-332-175-FS*	8.2 (3.7)
1/2" (DN12)	1/16 (1.6)	300	5 1/8 (130)	6 (152)	6 7/8 (175)	WAR05-116-300-FS	8.2 (3.7)
3/4" (DN20)	1/16 (1.6)	300	5 1/8 (130)	6 (152)	6 7/8 (175)	WAR75-116-300-FS	8.2 (3.7)
1" (DN25)	1/16 (1.6)	300	5 1/8 (130)	6 (152)	6 7/8 (175)	WAR10-116-300-FS	8.2 (3.7)

*Pending FM approval

NOTES:

- 1/2" and 3/4" valves, Reducer Bushing included, using 1" valve with reducer bushing.
- Inlet Connection NPT