

UL/FM Air Release Valves

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: 175psi and 300psi
- 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: ⅛" and ⅜"
- 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

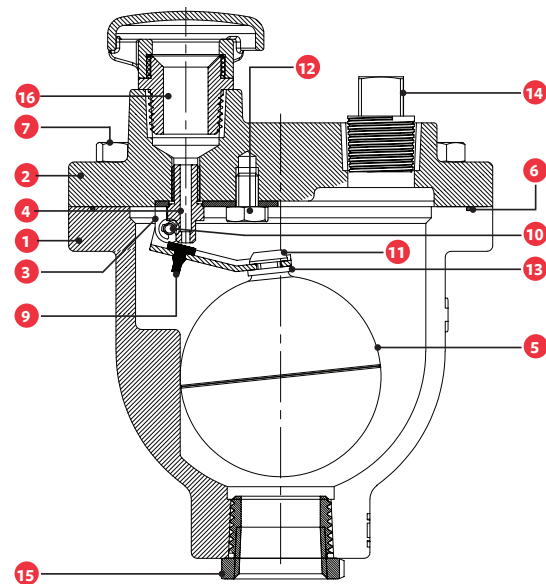
excessive air accumulation is the inexplicable pipeline rupture that is mistakenly attributed to ground settling or defective pipe. In reality unusually large air pockets can greatly increase the pressure of normally occurring surges to the point where sudden stops and starts of flow can cause a pipe to rupture.

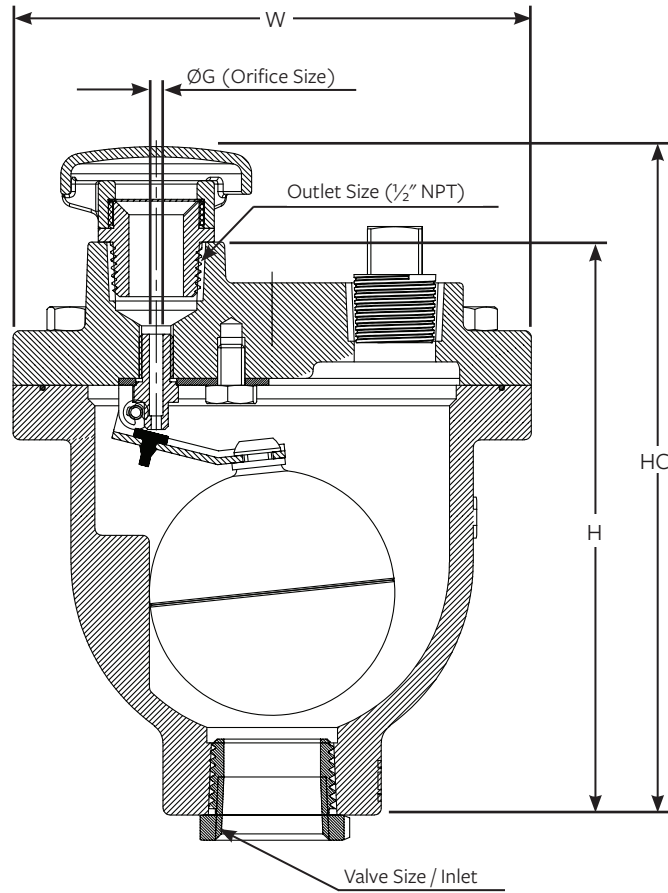
As air accumulates in the Air Valve, Water is displaced, causing the Stainless Steel float to drop to a point where the Valve orifice opens and the accumulated air is exhausted into the atmosphere. The Water level in the Air Valve then rises and closes the Valve orifice. This cycle repeats as needed 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	EDPM
7	Cover Bolt	316 Stainless Steel
8	Lever Arm	316 Stainless Steel
9	Button	EDPM
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 Required)	316 Stainless Steel
16	Vent Cap/Screen	Ductile Iron A536 Gr. 65-45-12/ 316 Stainless Steel





DIMENSIONS – INCHES (MM)

VALVE SIZE	ØG	MAX. CWP	W	H	HC	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

For more information about us, or to view our full line of products, please visit www.mueller-international.com or call International Customer Service at:

UK: +44.1438.487410 Dubai: +971.4.214.6640 Singapore: +65.6816.3088 USA: +1.800.423.1323 | International@muellerwp.com

Mueller refers to one or more of Mueller Water Products, Inc., a Delaware corporation ("MWP"), and its subsidiaries. MWP and each of its subsidiaries are legally separate and independent entities when providing products and services. MWP does not provide products or services to third parties. MWP and each of its subsidiaries are liable only for their own acts and omissions and not those of each other. MWP brands include Mueller®, Echologics®, Hydro Gate®, Hydro-Guard®, Jones®, Krausz®, MiNet®, Milliken®, Pratt®, Pratt Industrial®, Singer®, and U.S. Pipe Valve & Hydrant. Please see muellerwp.com/brands to learn more.

© 2020 Mueller Water Products, Inc. All Rights Reserved. The trademarks, logos and service marks displayed in this document are the property of Mueller Water Products, Inc., its affiliates or other third parties. Products above marked with a section symbol (§) are subject to patents or patent applications. For details visit www.mwppat.com.