

PURGENVENT™

Model 7940BLE

QUALITY COMPONENTS FOR FIRE SPRINKLER SYSTEMS

Automatic Air Venting Valve Branch Line Extension

The AGF PURGENVENT Model 7940BLE is a Build America, Buy America Act compliant automatic air venting valve assembly designed to remove excess air from wet pipe fire sprinkler systems to help mitigate internal pipe corrosion. NFPA 13 standards require the addition of an air vent on all wet pipe fire sprinkler systems that utilize metallic pipe.

The PURGENVENT Model 7940BLE features an FM Approved and UL Listed 7900V automatic air vent that releases excess air while the system is in operation. The branch line extension (BLE) assembly utilizes a fabricated section of domestically made schedule 10 pipe (schedule 40 pipe is also available), with a 3-mil powder coated finish and “AIR VENT” signage on the underside to facilitate easier location from floor level. In addition to the integrated isolation valve, strainer, and purge valve with union and hose connection, it also includes domestically made couplings and end cap with fittings to meet current Build America, Buy America Act (BABAA) requirements. The purge valve allows faster air removal when filling, can aid in the flushing and cleaning of the strainer, and be used as a vacuum breaker to help the system drain faster while protecting gaskets from being dislodged on other system components. AGF recommends installing the 7940BLE at the high end of system branch lines.



BOTTOM OF PIPE SECTION

Features

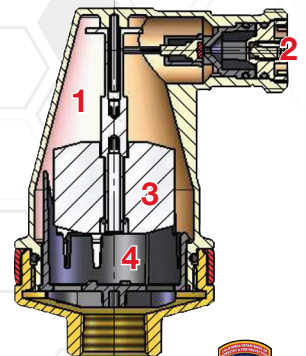
- NFPA Compliant/BABAA Compliant
- FM Approved and UL Listed 7900V Air Vent
- 175 PSI Rated
- Isolation Valve and Internal Strainer
- Purge Valve with Union and Hose Connection
- System Drain Vacuum Break
- Easy Located “AIR VENT” Identification Signage

Models

Part Numbers					
2"	2½"	3"	4"	6"	8"
7940BLE-20	7940BLE-25	7940BLE-30	7940BLE-40	7940BLE-60	7940BLE-80

7900V Air Vent Advantages

1. Conical shape maximizes clearance and protects the venting valve from contamination.
2. Recessed venting valve prevents vent redundancy and protects it from damage.
3. Single float allows only vertical movement.
4. Bubble breaker acts as a secondary filter and maximizes air passage.



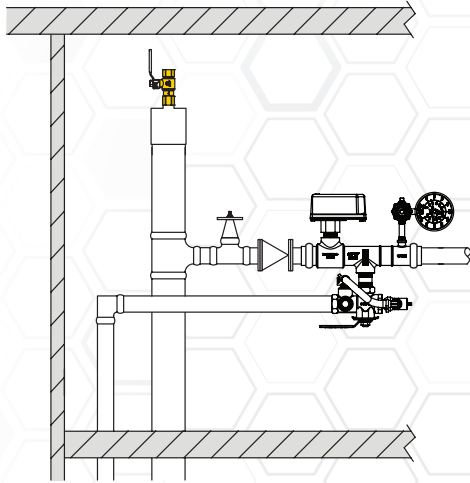
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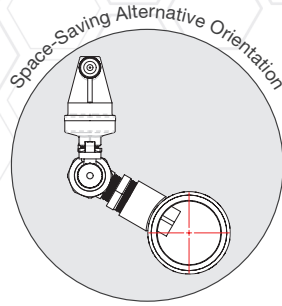
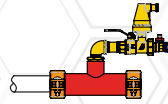
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Installation

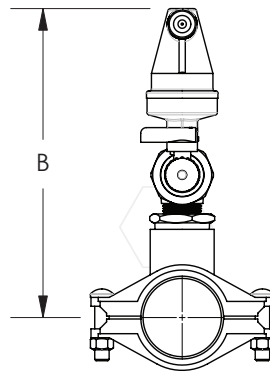
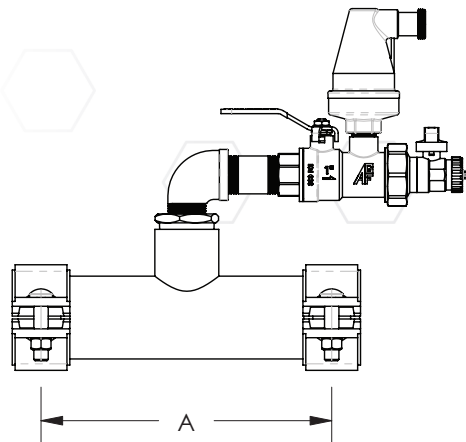


AGF recommends installing the M7940BLE at the end of the highest branch line.



The pipe section can be rotated 45° to create additional head clearance. The 7900AAV must also be rotated 45° so the 7900V remains in the upright position.

Dimensions



Size	2"	2½"	3"	4"	6"	8"
A	10" (254 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)
B	10½" (267 mm)	10¾" (272 mm)	11⅛" (282 mm)	11⅝" (295 mm)	12⅞" (321 mm)	13⅜" (346 mm)

Sizes have been rounded to the highest millimeter

USA Patent #10391344 and Other Patents Pending

For use on wet fire sprinkler systems.

Valve Size

1"

Pipe Sizes

2", 2½", 3", 4", 6", and 8"

Connections

Inlet.....Groove
 Outlet.....Groove
 Purge Valve Outlet.....Hose
 7900V Vent Outlet.....¾" NPT

Installation Orientation

Horizontal with 7900V in Upright Position

Electrical Requirements

None

Materials

Handle Steel
 Stem Rod Brass
 Ball.....C.P. Brass
 Body Brass
 Valve Seat.....PTFE
 StrainerStainless Steel
 7900V Bronze
 Pipe Section Steel
 End Cap.....Cast Iron
 CouplingsCast Iron

Rating

175 PSI

Compliance

NFPA 13, 13D, & 13R
 NYC-BSA No. 720-87-SM

Approvals

7900V: UL/ULC (EX27596)
 7900V: FM



7610-2281 : 0500



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Job Name: _____

Architect: _____

Engineer: _____

Contractor: _____