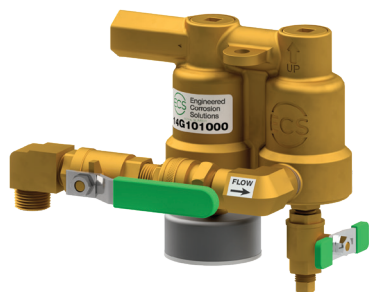


PAV-W/WS & PAV-W-BA

ECS Ejector Automatic Air Vent

ECS Engineered
Corrosion
Solutions



PAV-W

Features

ECS Ejector Automatic Air Vent (U.S. Patents No. 8,636,023)

- Patented redundant float design - Eliminates piping to a drain
- Quick Connect - Easy installation and servicing
- Pressure Gauge (PAV-W and PAV-W-BA) - Visual monitoring from the floor
- Available in Supervised (PAV-WS)
- Isolation Ball Valve Included
- Entire Assembly is FM 1344 Approved - Air Vents for Automatic Sprinkler Systems
- Entire Assembly is UL VPMG Listed - Valves, Automatic Air Release

Note: The PAV-W-BA is the same as the PAV-W but includes over 65% domestic content.



General Description

The ECS Ejector Automatic Air Vent (PAV-W/WS and PAV-W-BA) provides automatic venting of trapped air in wet pipe fire sprinkler systems. As a fire sprinkler system is filled with water, trapped air migrates to the high point of the system near the vent installation location which allows for trapped air to be vented. Trapped air contains oxygen which is the primary cause of corrosion in fire sprinkler systems. Corrosion in wet pipe fire sprinkler systems is directly proportional to the amount of oxygen trapped within the system piping, so a reduction in trapped air will reduce internal corrosion activity. Venting the trapped air in a wet pipe sprinkler system can improve water delivery time and reduce false water flow alarms.

When water reaches the ECS Ejector Automatic Air Vent, the primary gas-venting valve will close. In the event the primary valve fails and water leaks past the valve, the secondary gas-venting valve will close. This redundant design eliminates the need to plumb the ECS Ejector Automatic Air Vent to a drain.

A significant water leak from a primary valve failure will cause a pressure spike inside the vent that exceeds 50 psig. With a PAV-W and PAV-W-BA, pressure is displayed on a gauge visible from the floor below the vent up to a distance of 30 feet. If the gauge reading is in the yellow area, the vent has failed. With a PAV-WS "supervised" vent, instead of a pressure gauge, a pressure switch, with a single contact for electronic monitoring, senses the pressure and will change state if the pressure exceeds 50 psig.

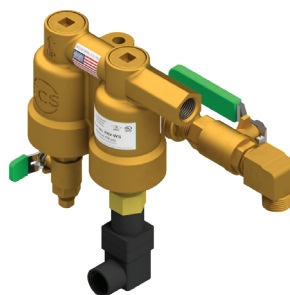
Specifications

Dimensions	PAV-W & PAV-W-BA: 8" (L) x 6" (W) x 7" (H) 203.2mm (L) x 152.4mm (W) x 177.8 (H) PAV-WS: 8" (L) x 6" (W) x 9" (H) 203.2mm (L) x 152.4mm (W) x 228.6 (H)
Weight	7 Lbs (3kg)*
Service Pressure	Up to 175 PSIG (12 Bar)
System Connection	½" NPT Male (12.7mm)
Temperature Range	40°F - 175°F (5°C - 79°C)
Clear Height	5" (127mm)

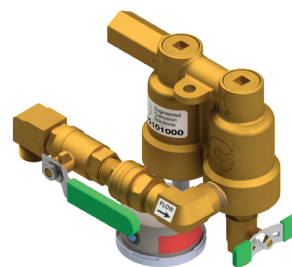
*Support Hanger Not Required

Electrical Connection (PAV-WS only)

Contact Rating	5A @30VDC/125VAC/250VAC
Contact Form	C (SPDT)
Electrical Connection	Screw Terminals
Conduit Connection	½" NPT Threads



PAV-WS

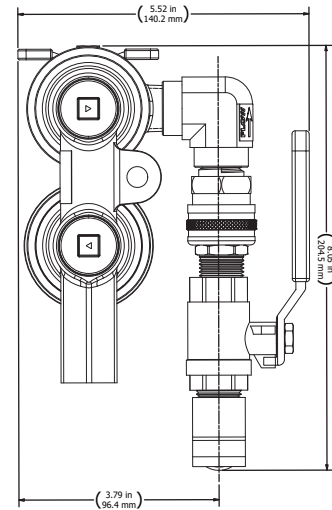
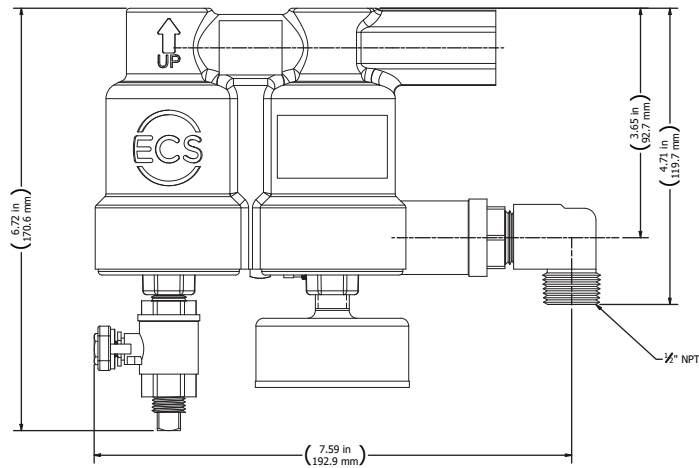


PAV-W-BA

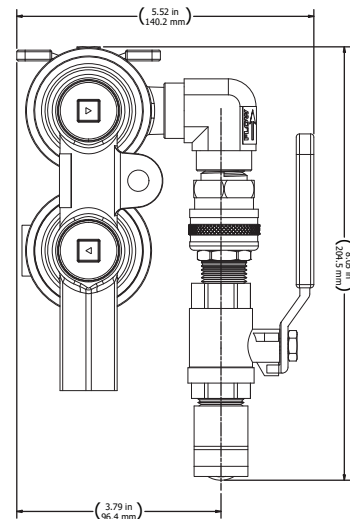
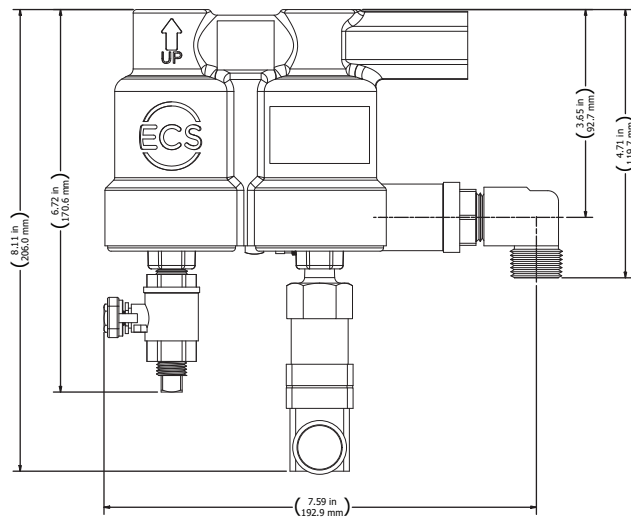
PAV-W/WS & PAV-W-BA

ECS Ejector Automatic Air Vent

PAV-W



PAV-WS



PAV-W-BA

