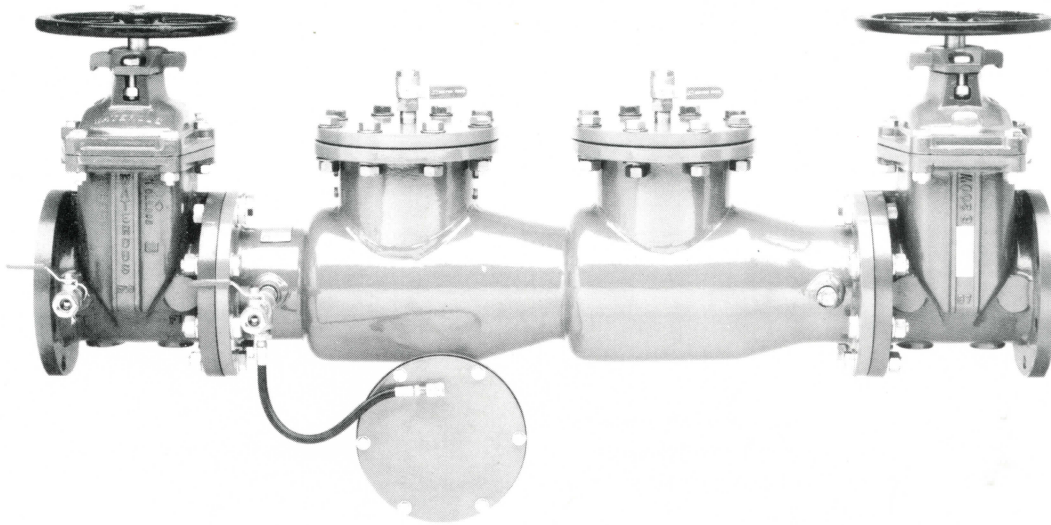


MODEL 4000 RP

REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY



Description

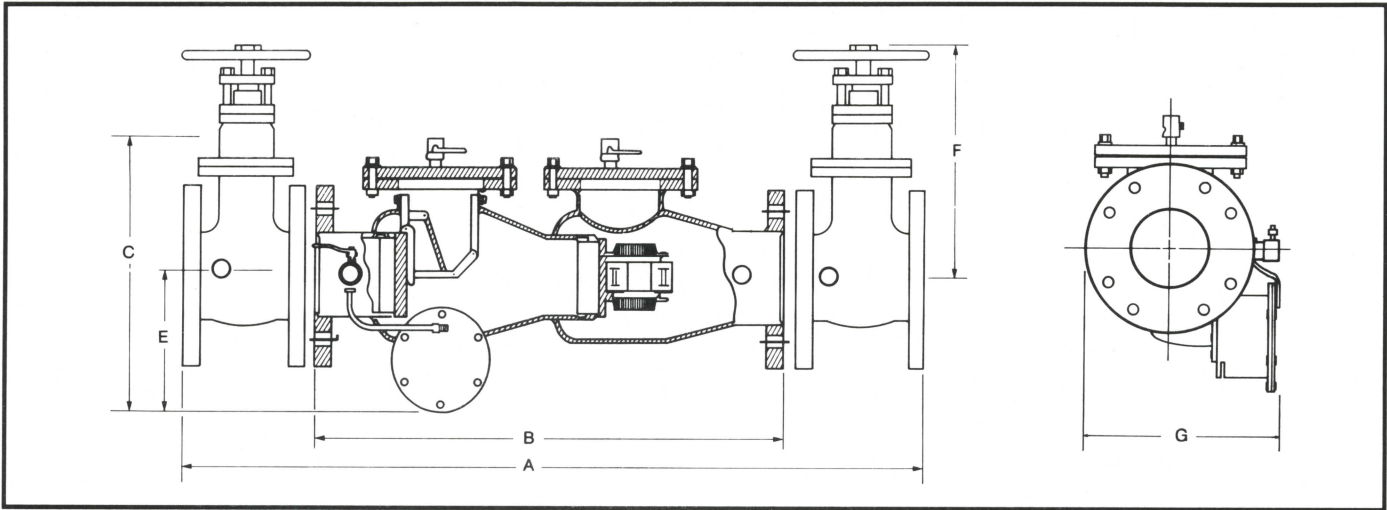
The Ames 4000 RP provides the best mechanical protection to the potable water supply from contamination caused by a cross connection in a high hazard application.

Features

- Fusion bonded epoxy lined and coated.
 - Stainless steel internal parts.
 - One piece body design.
 - Easy inline maintenance and serviceability.
 - Economical.
 - Provides maximum protection against backflow and backsiphonage.
 - Maximum flow at low head loss.
 - Available with UL listed OS & Y or Non-Rising Stem gate valves.
 - Heavy-duty steel body design.
 - Air Gap Drain available.
 - Lighter weight than cast or ductile iron assemblies.
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National Approvals*

*Contact factory for specific approvals.



Ames - Weights & Dimensions (Inches)

Model	Size	A	B	C	E	F	G	NET WT with gates	NET WT w/o gates
4000 RP	8"	68 3/4	45 3/4	27	14	20 3/16	22 1/2	779 lbs.	369 lbs.
4000 RP	10"	71 3/4	45 3/4	27	15	24 1/8	25	1059 lbs.	409 lbs.

Additional Features

The Ames 4000 RP is designed to provide maximum protection to the potable water supply from backflow or backsiphonage in high water conditions.

The Ames 4000 RP consists of two independently operating, spring-loaded check valves with a hydraulically operated differential pressure relief valve located between the check valves.

When normal flow exists, both check valves are open and the pressure in the area between the checks, called the zone, is lower than the inlet pressure. The differential pressure relief valve is held closed by this lower pressure during normal flow.

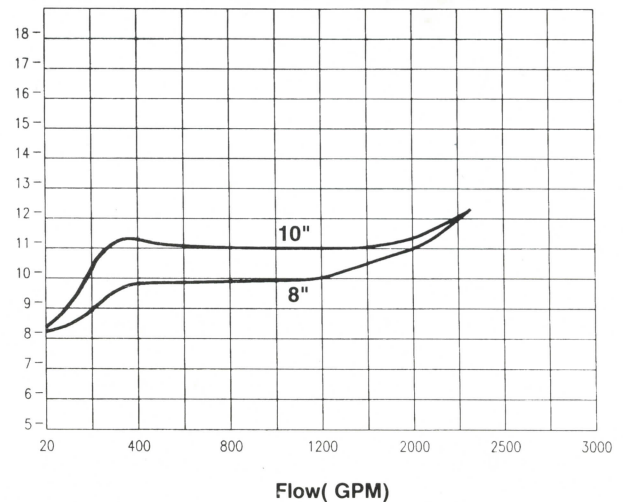
If cessation of normal flow occurs, the differential pressure relief valve may automatically open and discharge to maintain the lower zone pressure. This action will prevent a backflow or backsiphonage condition. After the required differential is established, the differential pressure relief valve again closes.

Every Ames 4000 RP is functionally & hydrostatically tested to twice the rated operating pressure. All internal parts are 300 series stainless steel and removable. The main bodies are built from heavy-duty steel and are fusion-bonded epoxy coated externally and internally for maximum corrosion protection.

Other Specifications

- Rated at 175 PSI for water temperatures up to 110° F.
- Flange dimensions and holes in accordance with AWWA Class C-207.
- Body nameplate provides nominal size, direction of flow, and PSI rating.
- Lightweight body design reduces freight and installation costs.
- Body material ASTM A36.
- Removable bronze seat ring ASTM B62-82.

*Flow Characteristics (including shut off valves)



Sizes 3/4" - 6" 4000SS

Available see brochure 4000SS

Form #M82-59 3/4" - 2"

Form #M82-55 2 1/2" - 6"

AMES^{CO.}
FLUID CONTROL SYSTEMS