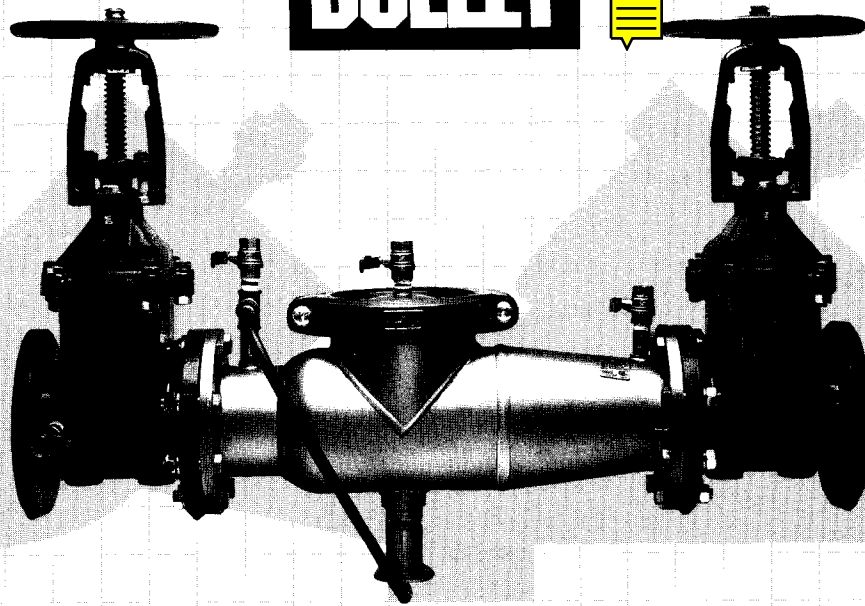


MODEL 4000ss **Reduced Pressure Principle Backflow Prevention Assembly**

**SILVER
BULLET**



FOR HIGH HAZARD CROSS CONNECTION CONTROL

Ames Backflow Assemblies: The Right Choice for Today, Tomorrow, and the 21st Century

■ **Features**

- Non-corrosive 300 series stainless steel (lead free) construction. Superior strength.
- 40% shorter end to end dimensions for compact, inexpensive installation.
- Excellent for retrofit installations.
- 50% lighter in weight, reduces installation and handling costs.
- Compact stainless steel relief valve with a balanced rolling diaphragm and no sliding seals for reliable long term performance.
- Fully serviceable inline, no special tools.
- Pretested patented* cam check assembly for long term reliability, low head loss, ease of serviceability.
- Single two-bolt grooved style cover for quick and easy access.
- ASSE 1013 approved assembly for vertical and horizontal applications.**
- Optional air gap drain.
- Cold water applications.

■ **National Approvals**

Approved by national approval agencies.**

■ **Application**

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

■ **Installation**

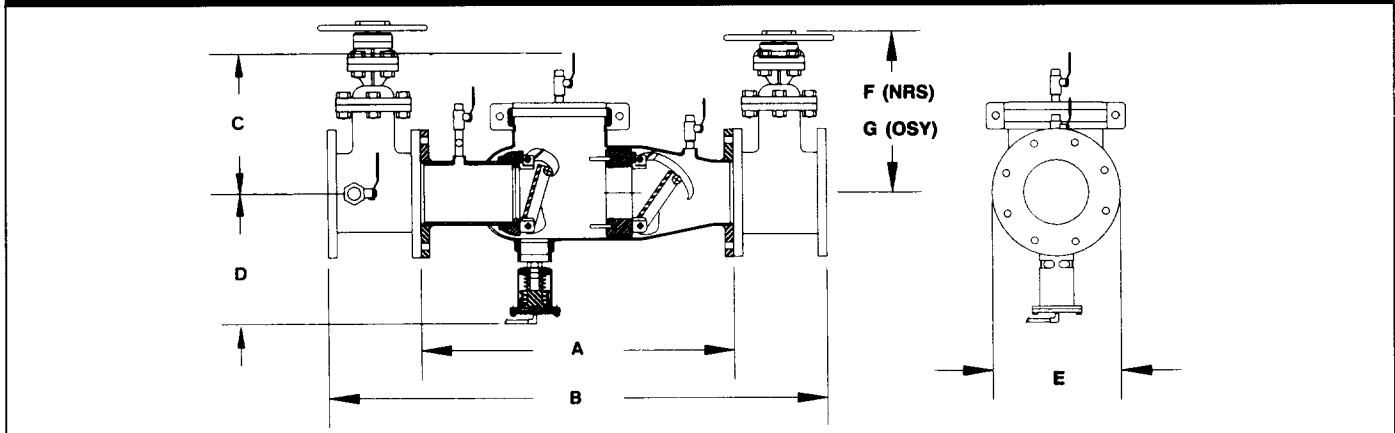
The 4000ss should be installed with a minimum clearance of 12" between the lowest point of the assembly and the floor or grade. The 4000ss may be installed horizontally or vertically (flow up). Refer to local codes for specific installation requirements.

* Patent # 5,046,525

AMES
CO.
FLUID CONTROL SYSTEMS

The Ames Company, founded in 1910, has long been an industry leader in producing fittings and valves for pipeline systems. All Ames products are manufactured at their 60,000 sq. ft. facility in Woodland, California, insuring quality control & prompt service.

MODEL 4000ss Reduced Pressure Principle Backflow Prevention Assembly



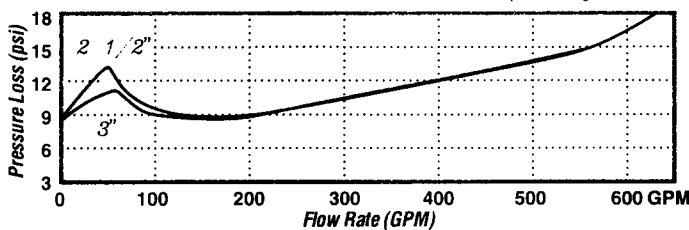
Ames 4000ss - Weights & Dimensions (inches)

SIZE	A	B	C	D	E	F (NRS)	G (OSY)	Net Wt. (lb.) w/Gates	Net Wt. (lb.) w/o Gates
2 1/2"	22"	37"	10"	10 1/2"	7"	9 1/4"	16 1/2"	148#	60#
3"	22"	38"	10"	10 1/2"	7 1/2"	12 1/4"	22 1/2"	226#	62#
4"	22"	40"	10"	10 1/2"	9"	13 3/8"	23 1/2"	235#	65#
6"	27 1/2"	48 1/2"	15"	11 1/2"	11"	16 3/4"	30"	380#	110#
8"	29 1/2"	52 1/2"	15"	12 1/2"	13 1/2"	22 1/2"	37 3/4"	571#	179#
10"	29 1/2"	55 1/2"	15"	12 1/2"	16"	26 1/2"	48"	773#	189#

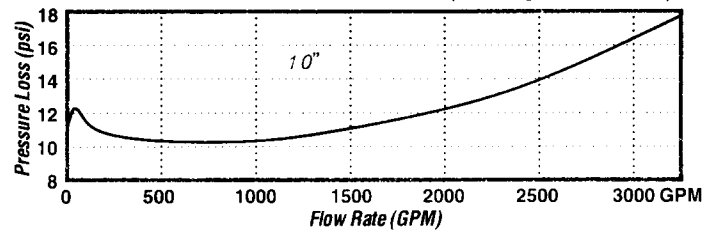
Physical Characteristics

Sizes - 2 1/2", 3", 4", 6", 8", 10"
 Rated working pressure - 175 psi
 Hydrostatic pressure - 350 psi
 Temperature range - 32°F - 110°F
 Flange dimension in accordance with AWWA Class D
 Body material 300 series stainless steel construction
 Assembly shall be ASSE 1013 approved for vertical and horizontal installations
 AWWA C511-92

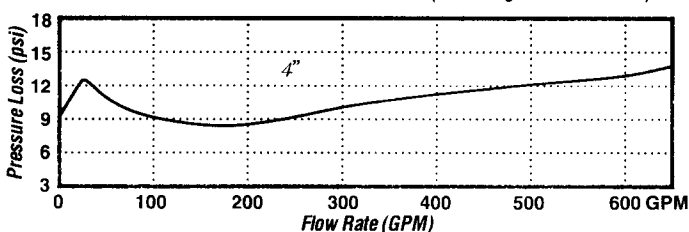
2 1/2" & 3" Documented Flow Characteristics (Including shut-off valves)



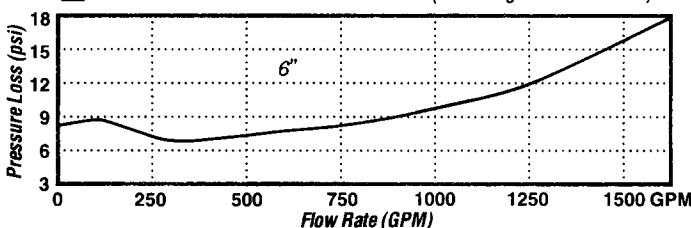
10" Documented Flow Characteristics (Including shut-off valves)**



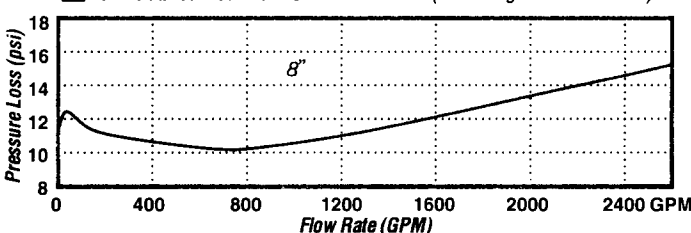
4" Documented Flow Characteristics (Including shut-off valves)



6" Documented Flow Characteristics (Including shut-off valves)



8" Documented Flow Characteristics (Including shut-off valves)**



Specifications

The reduced pressure backflow preventer shall consist of two independently operating, spring loaded cam-check valves with a hydraulically operated differential pressure relief valve located between and below the cam-checks, required test cocks and optional inlet and outlet resilient seat shut off valves. When normal flow exists, both checks are open and the pressure in the area between the checks, called the zone, is at least 2 PSI lower than the inlet pressure. The differential pressure relief valve is closed during normal flow.

If cessation of normal flow occurs, the differential pressure relief valve will automatically open and discharge to maintain the zone at least 2 PSI lower than the inlet pressure. This action will prevent a backflow or back siphonage condition. After the required differential is established, the differential pressure relief valve again closes.

The cam-checks include a stainless steel spring and cam-arm, rubber faced disc and a replaceable seat. The body shall be manufactured from 300 series stainless steel, lead free through the waterway, with a single two-bolt grooved style access cover. No special tools shall be required for servicing. The relief valve shall be compact with a rolling diaphragm and no sliding seals. The relief valve shall discharge in a 360° radius.

**Contact the factory for specific approvals