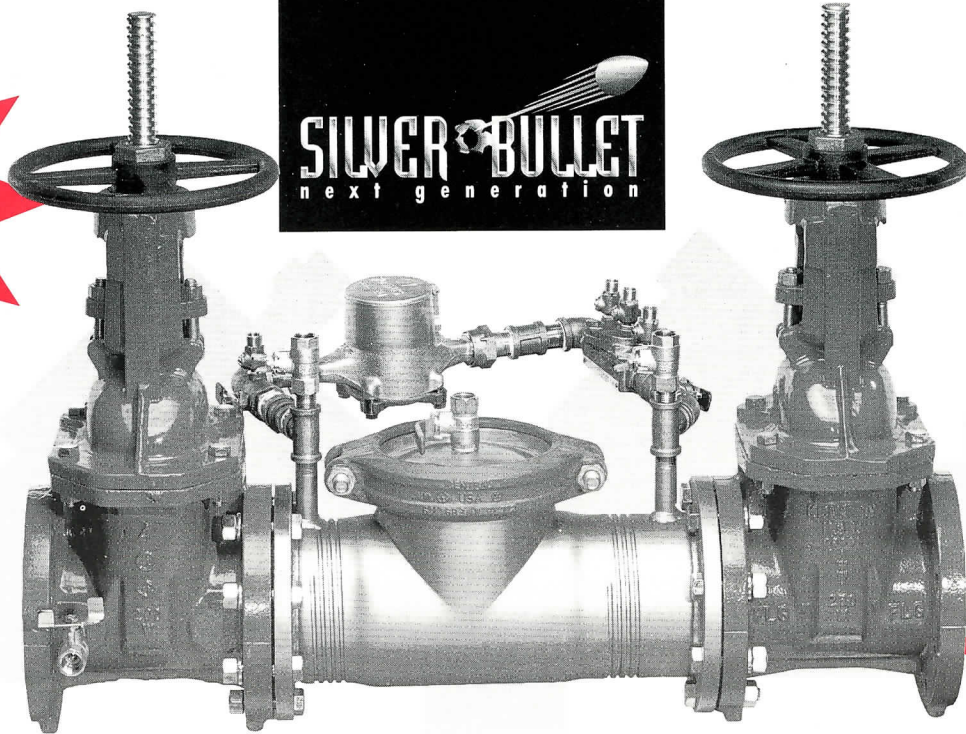


Single
Check Valve
Length!

SILVER BULLET
next generation



Lower
Head Loss!!

MODEL 3001SS Double Check Detector Assembly

■ APPLICATION

The Ames 3001SS provides positive drip-tight closure against the reverse flow of non potable liquids caused by a cross connection. The 3001SS can be used in fire protection systems, irrigation systems and other systems requiring non-health hazard protection.

■ INSTALLATION

The 3001SS may be installed vertically or horizontally. Refer to local codes for specific installation requirements.

■ SPECIFICATIONS

The double check detector assembly shall consist of two independently operated spring loaded cam-check valves, required test cocks, UL, FM, OSY resilient wedge gate valves and bypass assembly. Each cam check shall be internally loaded and provide a positive drip tight closure against the reverse flow of liquid caused by back siphonage or back pressure. In the incidence of minimal water flow, the valve clapper remains closed so that the water flows through the bypass loop. When major water flow is required, the water pressure will open the main valves to allow full water flow.

■ NATIONAL APPROVALS

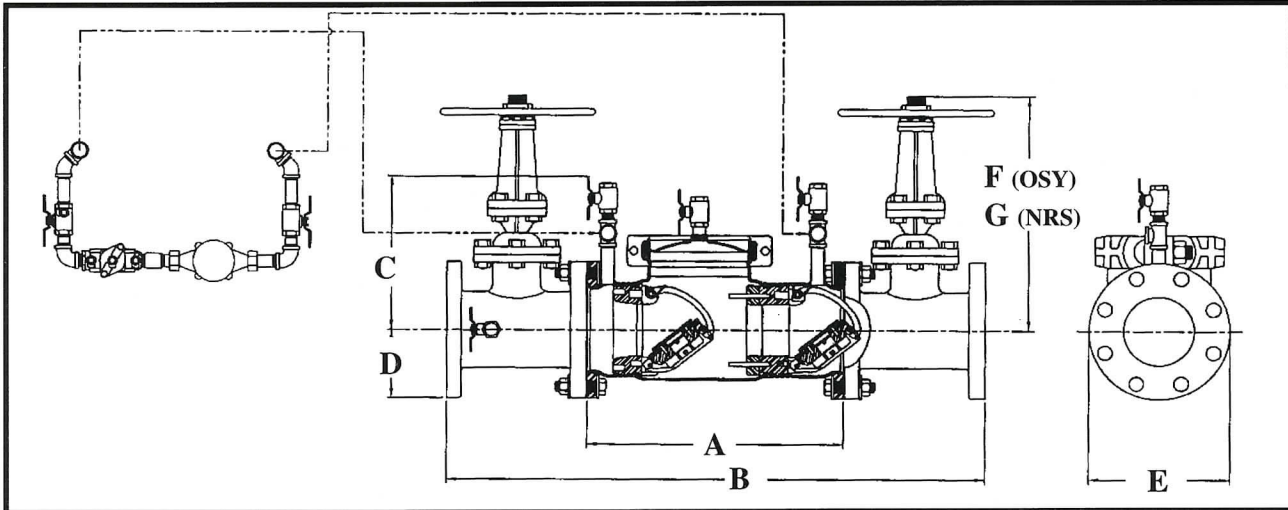
Contact the Ames factory for specific approvals.

■ FEATURES

- 50% shorter end to end dimensions for compact inexpensive installation.
- 60% lighter in weight, reduces installation and handling costs.
- Detects leaks or unauthorized use of water.
- Stainless steel reinforced patented cam check assembly for long term reliability and low head loss.
- Reversible cam check disc.
- 100% Lead Free.
- No Special Tools Required for Servicing.
- 300 stainless steel one piece body.
- Same lay length as most Detector Check Valves, for retrofit applications.

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FLUID CONTROL SYSTEMS

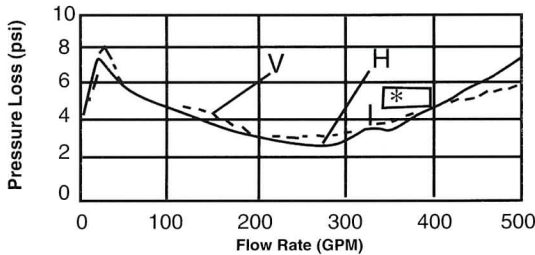
MODEL 3001SS Double Check Detector Assembly



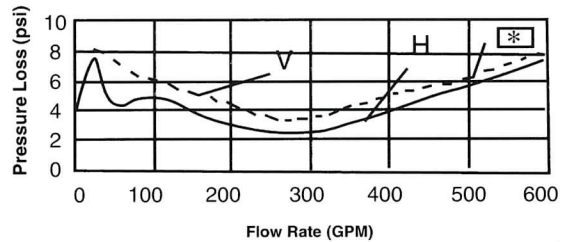
Ames 3001SS - Weights & Dimensions

Size	A	B	C	D	E	F	G	Weight w/ Gates	Weight w/o Gates
	in.	in.	in.	in.	in.	in.	in.	lbs.	lbs.
3"	20"	36 1/8"	13 1/4"	3 3/4"	7 1/2"	18 7/8"	12 3/8"	201	54
4"	16 1/2"	34 5/8"	13 1/4"	4 1/2"	9"	22 3/4"	14 3/4"	266	53
6"	22 1/2"	43 5/8"	15"	5 1/2"	11"	30 1/8"	19"	411	90
8"	22 1/2"	45 5/8"	15"	6 3/4"	13 1/2"	37 3/4"	22 1/2"	626	105

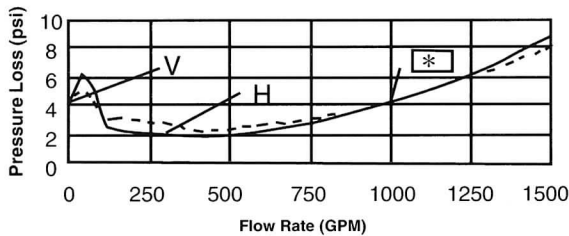
3" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



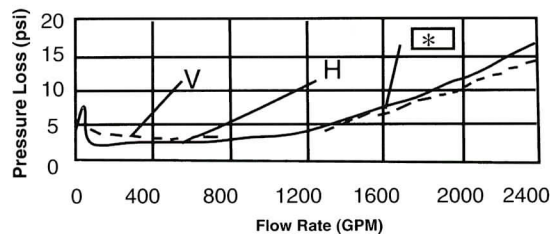
4" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



6" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



8" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



*Approximate head loss at the UL rated flow.

V = Vertical

H = Horizontal

Contact Ames Company for "N" pattern configuration information.

PHYSICAL CHARACTERISTICS

Sizes: 3", 4", 6", 8"

Rated working pressure: 175 psi

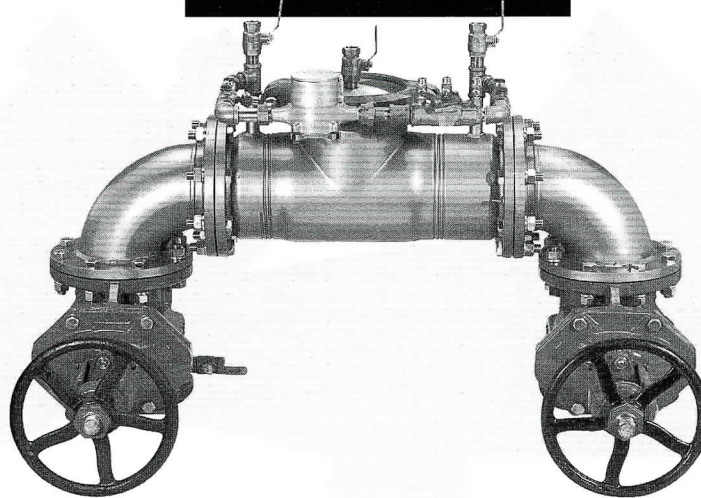
Temperature range: 32°F to 140°F

Flange dimension in accordance with AWWA Class D

All internal metal parts: 300 series stainless steel

Construction: 300 series stainless steel

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3001SSN Double Check Detector Assembly

APPLICATION

The Ames 3001SSN provides positive drip-tight closure against the reverse flow of non potable liquids caused by a cross connection. The 3001SSN can be used in fire protection systems, irrigation systems and other systems requiring low and intermediate hazard protection.

INSTALLATION

The 3001SSN may be installed in confined areas where space is limited. Refer to local codes for specific installation requirements.

SPECIFICATIONS

The double check detector assembly shall consist of two independently operated spring loaded cam-check valves, required test cocks, and inlet and outlet resilient wedge shut off valves. Each cam check shall be internally loaded and provide a positive drip tight closure against the reverse flow of liquid caused by back siphonage or back pressure. In the incidence of minimal water flow, the valve clapper remains closed so that the water flows through the bypass loop, creating tell-tale registration on the meter. The modular cam-check includes a stainless steel spring and cam-arm, and a rubber faced clapper with reversible cam check disc.

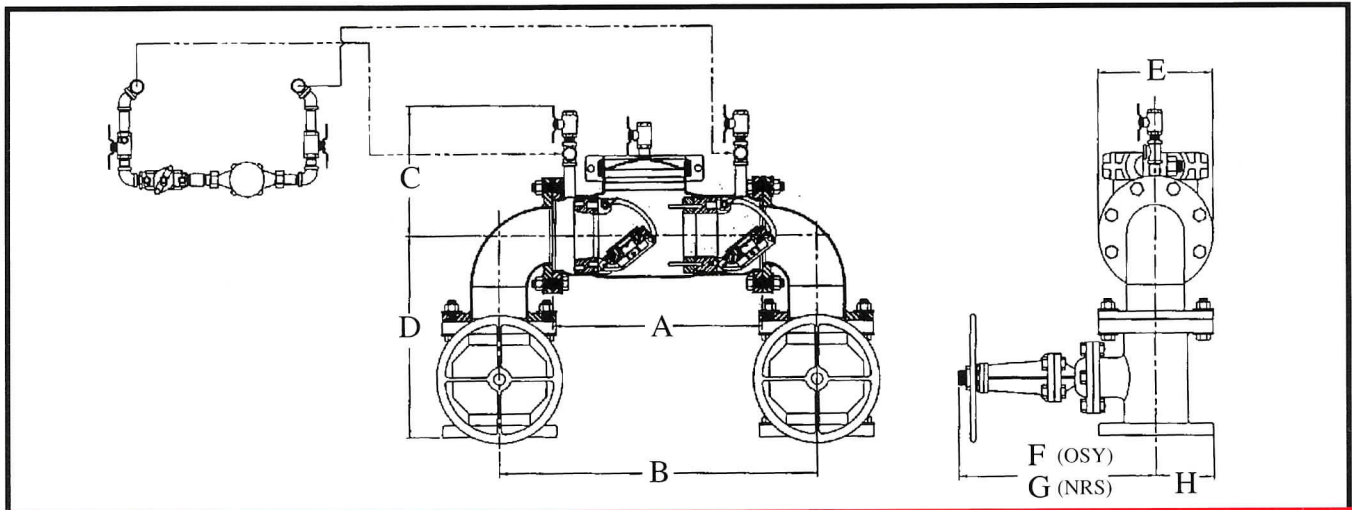
FEATURES

- 50% Shorter end to end dimensions for compact inexpensive installation.
- 60% lighter in weight, reduces installation and handling costs.
- Stainless steel reinforced patented cam check assembly for long term reliability and low head loss.
- Reversible cam check disc.
- 100% Lead Free.
- No Special Tools Required for Servicing.
- 300 series stainless steel one piece body.
- Same lay length as most single Detector Check Valves, for retrofit application.

NATIONAL APPROVALS

Contact the Ames factory for specific approvals.

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FLUID CONTROL SYSTEMS



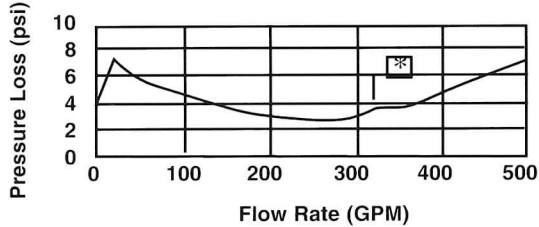
3001SSN Double Check Detector Assembly

Weights & Dimensions

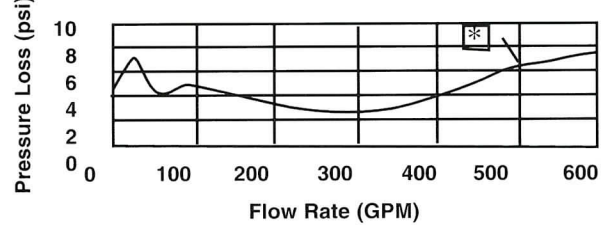
Size	A	B	C	D	E	F	G	H	WEIGHT W/ GATES*	WEIGHT W/O GATES*
in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.	lbs.
3	20"	29 5/8"	13 1/4"	12 13/16"	7 1/2"	18 7/8"	12 3/8"	3 3/4"	237	90
4	16 1/2"	25 1/8"	13 1/4"	15 13/16"	9"	22 3/4"	14 3/4"	4 1/2"	319	106
6	22 1/2"	35 1/8"	15"	18 5/16"	11"	30 1/8"	19"	5 1/2"	494	173
8	22 1/2"	39 1/8"	15"	21 5/16"	13 1/2"	37 3/4"	22 1/2"	6 3/4"	744	223

* Includes Elbows

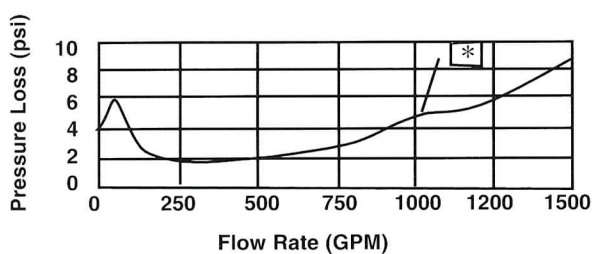
■ 3" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



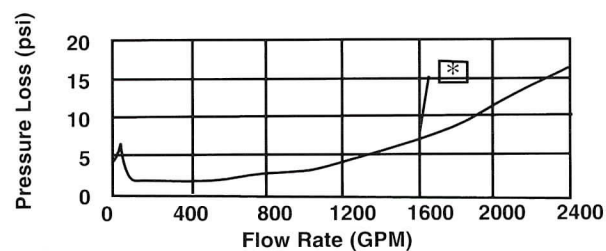
■ 4" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



■ 6" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



■ 8" DOCUMENTED FLOW CHARACTERISTICS (INCLUDING SHUT-OFF VALVES)



* Approximate head loss at the UL rated flow.
Above graphs are for "N" pattern configurations.

Contact Ames Company for "H" & "V" pattern configuration information.

■ PHYSICAL CHARACTERISTICS

Sizes: 3", 4", 6" & 8"

Rated working pressure: 175 psi

Temperature range: 32°F to 140°F

Flange dimension in accordance with AWWA Class D

All internal metal parts: 300 series stainless steel

Construction: 300 series stainless steel

