

AMES

2000 SS/ 2000 SE

SIZE

3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 6", 8", 10", 12"

DESCRIPTION

This is a double check assembly. Production began in 1990. The body is constructed of fabricated stainless steel. There is a single top mounted cover for access to internal parts. All versions utilize a modular check design. It is modular so that the springs are contained and seats are replaceable. The 3/4"-2" sizes have had two different versions produced. From 1990-1992 the internal check mechanisms were of modular construction made of a glass filled noryl. The checks were a cam operated check mechanism. The ball valve shut-offs were built into the body of the assembly in the older style. In 1992 a new version was produced where the ball valve shut-offs used are external ball valves that screw onto the body of the assembly. In 1992 the check module working mechanism design was changed to a pivot design.

Production was stopped on the 3/4"-2" in 1997. The 2 1/2"-12" check mechanism is made of a glass filled noryl. The checks are modular in construction so that springs will be contained and seats are replaceable. The check design is a cam operated mechanism. In the 2 1/2"-6" sizes the check modules are not field repairable and the whole check module must be replaced for a proper repair. The 8"-10" check does have a rubber disc that is field replaceable. There is a 2000 SE design in the 2 1/2", 6", & 8" Sizes. The differences between the SS and SE model is that the SE utilizes internal parts one size smaller than the pipe size: (e.g. a 8" 2000 SE would contain 6" check modules, a 6" 2000 SE would contain 4" check modules). Be sure which version you have because parts will be different. The 2 1/2" SE was discontinued in 2003. The 6" and 8" SE models were discontinued in 2006.

BASIC REPAIR KIT

Repair kit contains all check modules and O-rings

<u>SIZE</u>	<u>KIT NO</u>	<u>SIZE</u>	<u>KIT NO</u>
3/4"-1 1/4"	2000SST075 *	6" SS	2000SST600 *
1 1/2"-2"	2000SST150 *	6" SE	2000SST250 *
2 1/2" SS	2000SST250 *	8" SE	2000SST600 *
2 1/2" SE	2000SST150 *	8" SS	2000SST800 *
3" SS	2000SST250 *	10" SS	2000SST800 *
4" SS	2000SST250 *	12" SS	2000SST800 *



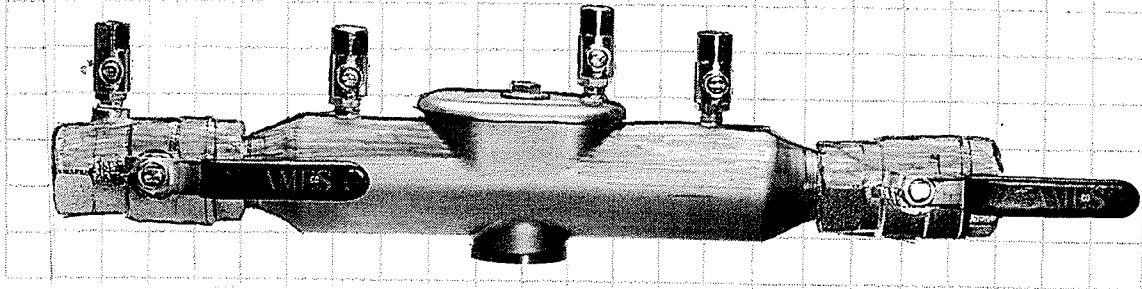
IMPORTANT FEATURES

- ~Stainless steel body
- ~Modularized checks
- ~Springs are contained
- ~Seats are replaceable
- ~Factory repair information enclosed

MODEL 2000SS Double Check Assembly

AMES
CO.
VALVES & BACKFLOW ASSEMBLIES

Sizes - 3/4", 1", 1 1/4", 1 1/2", 2"



■ Features

- Non-corrosive 300 series stainless steel body.
- Single bolt O-ring seated stainless steel access cover for easy servicing.
- Cartridge check assembly for long term reliability and ease of serviceability.
- Simple service procedures, requires no special tools.
- Temperature rated to 110° F.
- 175 PSI rated working pressure.
- Assembly ASSE 1015 vertically approved.
- Horizontal or vertical installation.
- Wye strainer optional.
- Straight through flow-way.
- Certified lead free valve.
- Documented low pressure loss.

■ Installation

The 2000ss should be installed with adequate clearance and easy accessibility for maintenance and testing. The 2000ss may be installed vertically or horizontally. Refer to local codes for specific installation requirements.

■ Specifications

The double check shall consist of two independently operated spring loaded cartridge checks, required test cocks, and inlet and outlet resilient seat ball valves. Each cartridge 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. The modular cartridge check includes a stainless steel spring and swing poppet, rubber faced disc and a replaceable seat. The body shall be manufactured from 300 series stainless steel, 100% lead free with a single bolt access cover. No special tools shall be required for servicing. Double check shall be Ames 2000ss.

■ Application

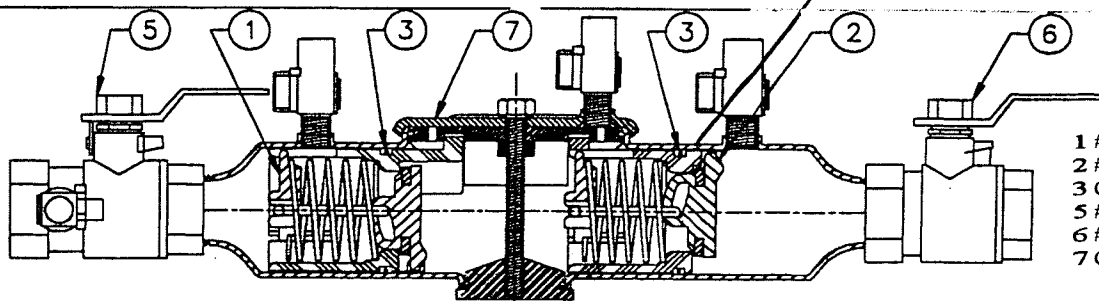
The Ames 2000ss provides positive drip-tight closure against the reverse flow of non potable liquids caused by a cross connection. The 2000ss can be used in fire protection systems, plumbing systems, irrigation systems and other systems requiring low and intermediate hazard protection.

■ Operation

In normal flow conditions the independently operating cartridge checks remain closed until there is a demand for water. Each of the cartridge checks in series is designed to open at approximately (1) PSI pressure differential in the direction of flow. At cessation of flow or under a back pressure condition, both cartridge checks will close until the resumption of normal flow.

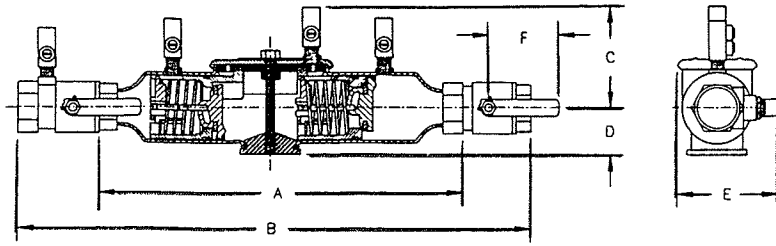
■ Physical Characteristics

Sizes - 3/4", 1", 1 1/4", 1 1/2", 2"
 Rated working pressure - 175 psi
 Temperature range - 32° F - 110° F
 All internal metal parts 300 series stainless steel
 Construction 300 series stainless steel construction
 Assembly shall be ASSE 1015 approved



- 1 #1 Ck Assy
- 2 #2 Ck Assy
- 3 Ck Assy O'ring
- 5 #1 Ball Valve
- 6 #2 Ball Valve
- 7 Cover

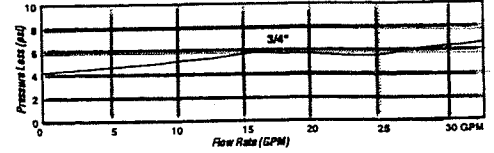
MODEL 2000SS Double Check Assembly



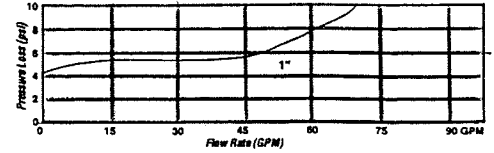
Ames 2000ss - Weights & Dimensions (inches)

SIZE	A	B	C	D	E	F	Net Wt. (lb.) w/Gates	Net Wt. (lb.) w/o Gates
3/4"	10 3/4"	16"	3"	1 1/2"	3 3/4"	4"	4.75#	3#
1"	10 3/4"	16"	3"	1 1/2"	4"	4 1/2"	5.75#	3#
1 1/4"	10 3/4"	16"	3"	1 1/2"	4 1/2"	4 3/4"	7#	3#
1 1/2"	15"	23 1/4"	4"	2 1/2"	5 1/2"	6 1/2"	14#	20 1/4#
2"	15"	23 1/4"	4"	2 1/2"	5 3/4"	6 1/2"	14#	25#

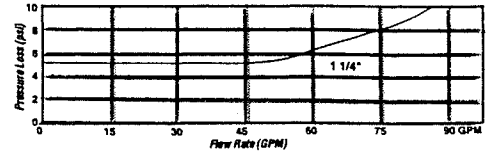
3/4" Documented Flow Characteristics (including shut-off valves)



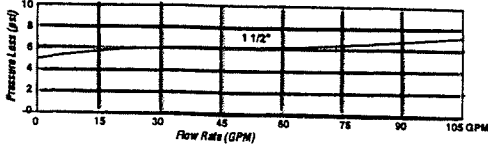
1" Documented Flow Characteristics (including shut-off valves)



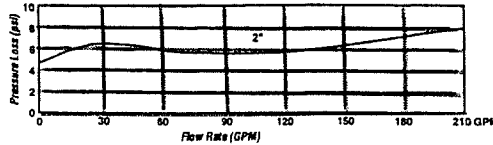
1 1/4" Documented Flow Characteristics (including shut-off valves)



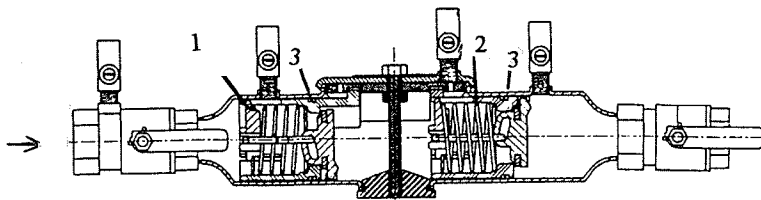
1 1/2" Documented Flow Characteristics (including shut-off valves)



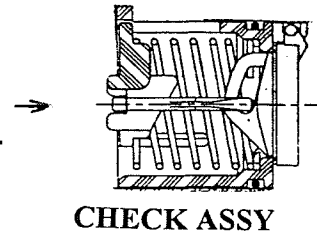
2" Documented Flow Characteristics (including shut-off valves)



produced from 1992-1997



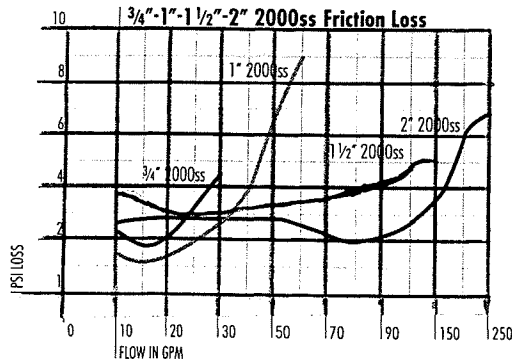
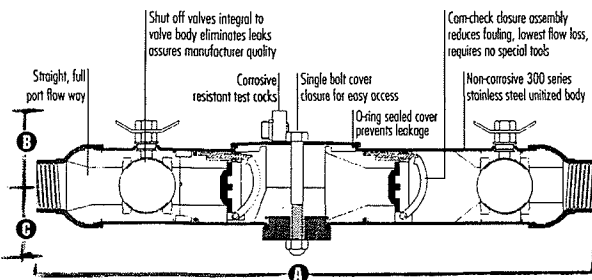
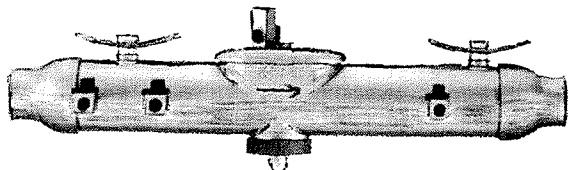
- 2000SS**
- 1st check assy
 - 2nd check assy
 - check o'ring



SILVER BULLET 2000ss

Double Check Backflow Prevention Assembly

Produced from 1990-1992



repair parts
utilize new
style parts
as referenced
above

Weights & Dimensions (w/Shutoff Valves)

Size	A	B	C	Width	Net Weight
3/4"	14 1/2"	3 1/2"	2"	3 1/2"	3 lb.
1"	14 1/2"	3 1/2"	2"	3 1/2"	3 lb.
1 1/2"	21 1/2"	5"	2"	6"	15 lb.
2"	21 1/2"	5"	2"	6"	15 lb.

MODEL 2000ss Double Check Assembly

Materials

All internal metal parts: 300 Series stainless steel

Main valve body: 300 Series stainless steel

Check assembly: Noryl[®]

Flange dimension in accordance with AWWA Class D

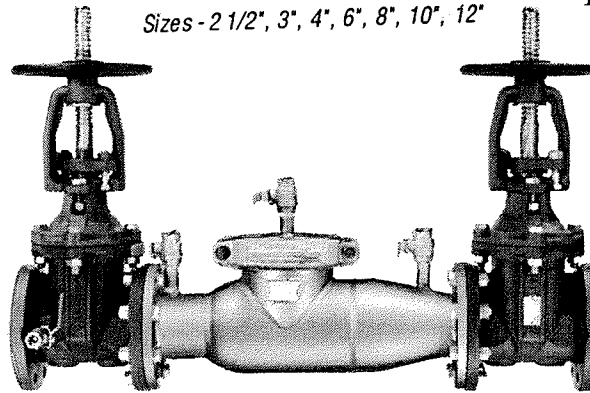
Noryl[®] is a registered trademark of General Electric Company.

Pressure — Temperature

Temperature Range: 33°F – 110°F (5°C – 43°C)

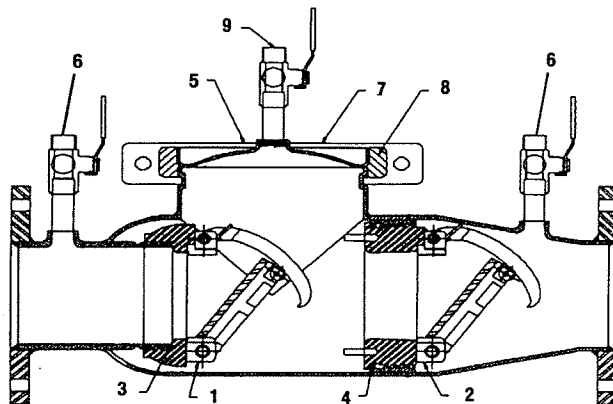
Maximum Working Pressure: 175psi (12.06 bar)

Sizes - 2 1/2", 3", 4", 6", 8", 10", 12"



Features

- Patented Cam-Check Assembly provides low head loss
- Short lay length is ideally suited for retrofit installations
- Stainless Steel body is half the weight of competitive designs reducing installation and shipping cost
- Stainless steel construction provides long term corrosion protection and maximum strength
- Single top access cover with two-bolt grooved style coupling for ease of maintenance
- No special tools required for servicing
- Compact construction allows for smaller vaults and enclosures
- May be installed in horizontal or vertical "flow up" position

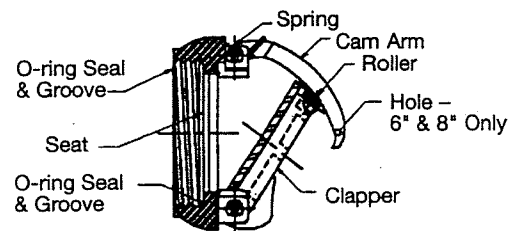


2 1/2 - 6"

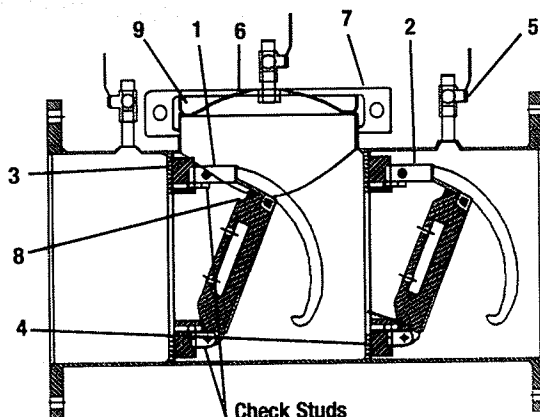
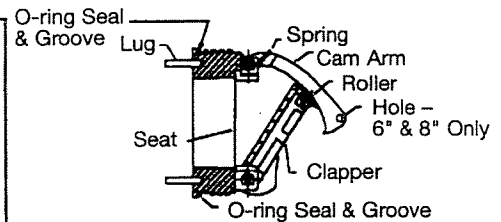
2 1/2" - 6" checks are modular but check disc is not replaceable and the whole check module must be replaced for a repair

Item #	Description
1.	#1 Cam-Check
2.	#2 Cam-Check
3.	#1 Cam-Check O-ring
4.	#2 Cam-Check O-ring
5.	Cover Plate
6.	Ball Valve
7.	Groove Coupler
8.	Groove Coupler Gasket
9.	Ball Valve (Cover)

#1 Cam-Check 2 1/2" - 6"



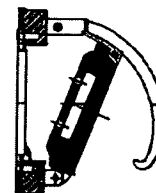
#2 Cam-Check DC & RP



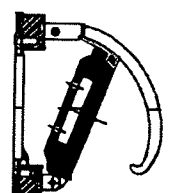
Item #	Part Description
1.	#1 Cam-Check
2.	#2 Cam-Check
3.	#1 Cam-Check O-ring
4.	#2 Cam-Check O-ring
5.	Ball Valve
6.	Cover Plate
7.	Groove Coupler
8.	Washer, shutoff disk
9.	Groove Coupler Gasket

8 - 12"

#1 Cam-Check

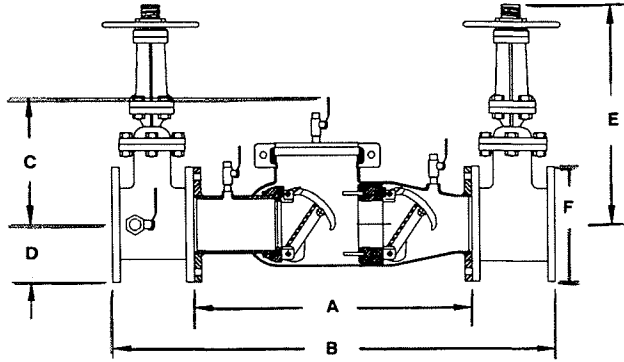


#2 Cam-Check DC



8" - 12" checks are modular and the check disc is replaceable

MODEL 2000ss Double Check Assembly

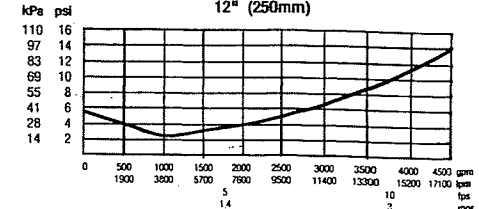
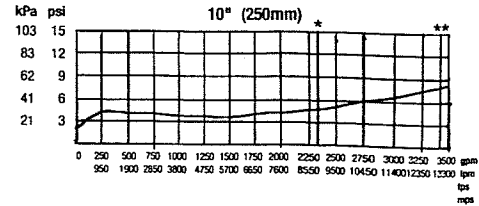
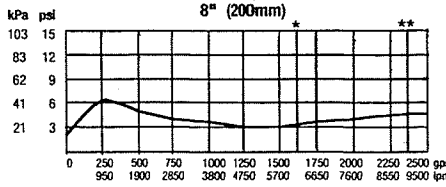
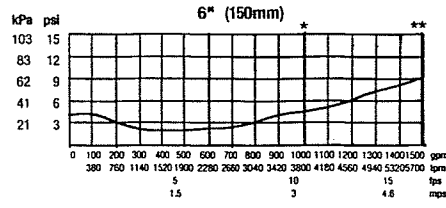
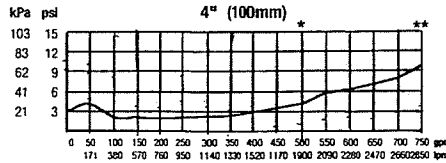
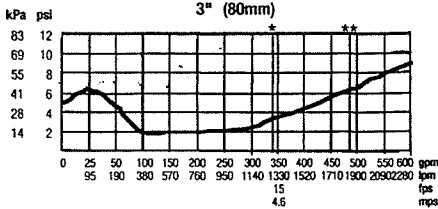
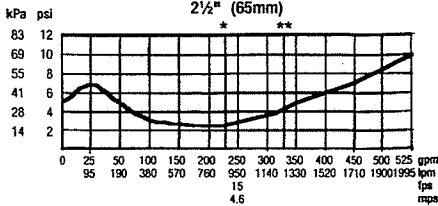


Ames 2000ss - Weights & Dimensions (inches)

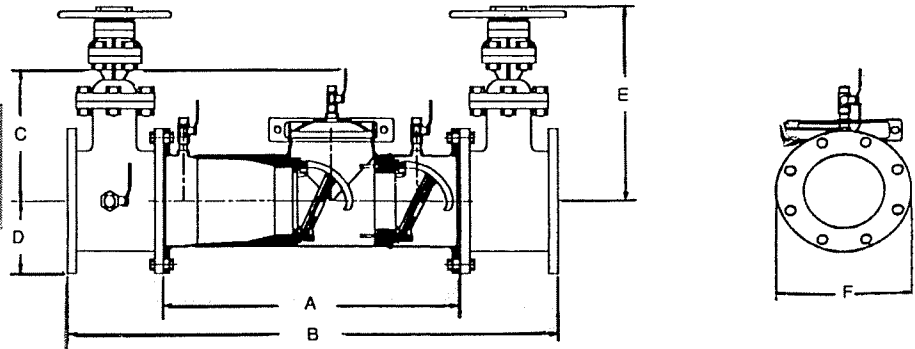
SIZE	A	B	C	D	OSY E (Open)	F	Net Wt. (lb.) w/Gates	Net Wt. (lb.) w/o Gates
2 1/2"	22"	37"	10"	3 1/2"	16 1/2"	7"	140#	53#
3"	22"	38"	10"	3 3/4"	22"	7 1/2"	215#	55#
4"	22"	40"	10"	4 1/2"	23 1/2"	9"	225#	58#
6"	27 1/2"	48 1/2"	15"	5 1/2"	30 1/2"	11"	375#	105#
8"	29 1/2"	52 1/2"	15"	6 3/4"	37 3/4"	13 1/2"	561#	169#
10"	29 1/2"	55 1/2"	15"	8"	48"	16"	763#	179#
12"	29 1/2"	57 1/2"	15"	9 1/2"	54"	19"	1033#	209#

Capacities

Rated working pressure 175psi (12.06 bar) * Rated flow **UL Tested



MODEL 2000SE Double Check Assembly



AMES SPECIAL EDITION - WEIGHTS & DIMENSIONS (Inches)

SIZE	A	B	C	D	OS & Y E (Open)	F	Wt. w/Gates		Wt. w/o Gates	
							2000SE	3000SE	2000SE	3000SE
6"	20"	41 1/2"	11 1/8"	5 1/2"	29 1/2"	11"	328#	341#	58#	71#
8"	29 1/2"	52 1/2"	17 1/2"	6 3/4"	37 1/2"	13 1/2"	540#	555#	120#	135#
2 1/2"	15 3/4"	31"	10.5"			7"	113#	124#	26#	37#

