

# MODEL 3000ss Double Check Detector Assembly



FOR FIRE PROTECTION SYSTEMS

## ***The Ames Backflow Preventer: Lighter, Shorter, Better Flowing Than Any Other***

### ■ **Application**

The Ames 3000ss protects the potable water system by preventing backflow from fire protection systems. The device also detects leaks or unauthorized use of water from fire protection lines.

### ■ **Operation**

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.

### ■ **Installation**

The 3000ss should be installed with adequate clearance and easy accessibility for maintenance and testing. The 3000ss may be installed vertically or horizontally. Refer to local codes for specific installation requirements.

### ■ **Features**

- Lowest documented head loss.
- Non-Corrosive 300 series stainless steel (lead free) construction.
- 40% shorter end to end dimensions for compact, inexpensive installation.
- Excellent for retrofit installations.
- 50% lighter in weight, reduces installation and handling costs.
- Fully serviceable inline, no special tools.
- Pretested cam-check (patented)\* assembly for long term reliability, low head loss, ease of serviceability.
- Single two-bolt grooved style cover for quick and easy access.
- Only ASSE 1048 approved assembly for vertical and horizontal applications.
- Made in U.S.A.
- Head loss equal to less than single detector check valve.

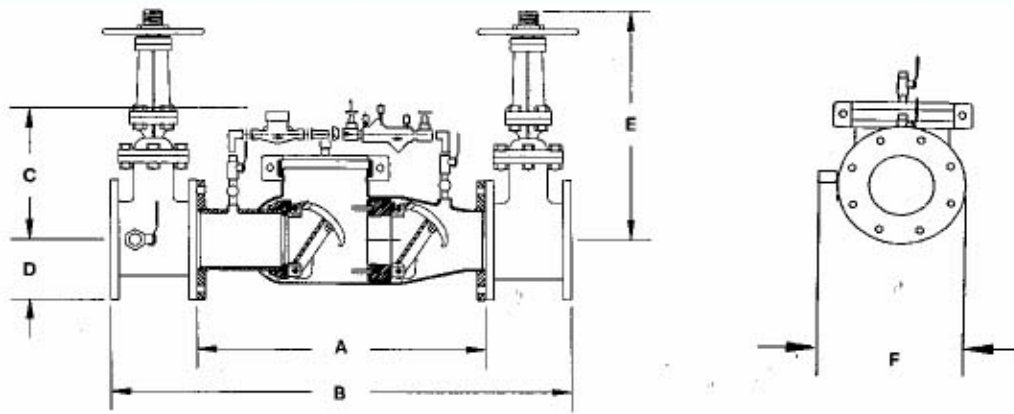
### ■ **National Approvals**

Approved by national approval agencies.\*\*

**AMES**  
CO.  
FLUID CONTROL SYSTEMS

\*Pat. #5,046,525

# MODEL 3000ss Double Check Detector Assembly



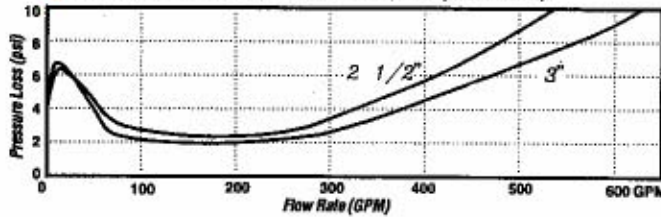
## Ames 3000ss - Weights & Dimensions (inches)

SIZE	A	B	C	D	E (Open)	F	Net Wt. (lb.) w/Gates	Net Wt. (lb.) w/o Gates
2 1/2"	22"	37"	10"	3 1/2"	16"	12 1/2"	155#	68#
3"	22"	38"	10"	3 3/4"	22"	13"	230#	70#
4"	22"	40"	10"	4 1/2"	23 1/2"	14 1/2"	240#	73#
6"	27 1/2"	48 1/2"	15"	5 1/2"	30"	15 1/2"	390#	120#
8"	29 1/2"	52 1/2"	15"	6 3/4"	37 3/4"	18 1/4"	572#	180#
10"	29 1/2"	55 1/2"	15"	8"	48"	19 1/2"	774#	190#
12"	29 1/2"	57 1/2"	15"	9 1/2"	54"	21"	1044#	220#

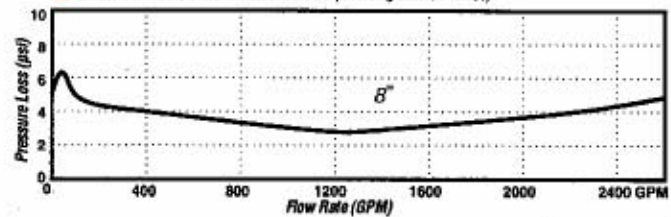
## Physical Characteristics

Sizes - 2 1/2", 3", 4", 6", 8", 10", 12"  
 Rated working pressure - 175 psi  
 Hydrostatic Pressure - 350 psi  
 Temperature range - 32°F - 110°F  
 Body material - 300 series stainless steel  
 Flange dimension in accordance with AWWA Class D  
 Assembly shall be ASSE 1048 approved for vertical installations,

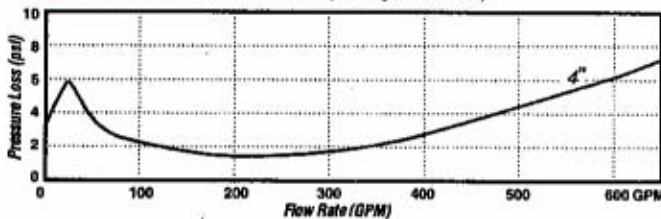
2 1/2" & 3" Documented Flow Characteristics (including shut-off valves)



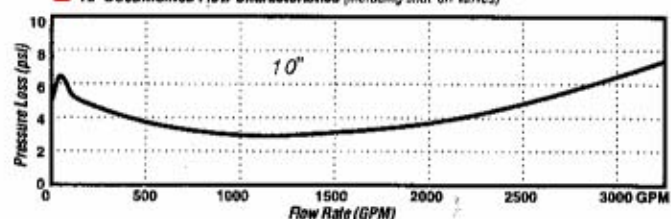
8" Documented Flow Characteristics (including shut-off valves) \*\*



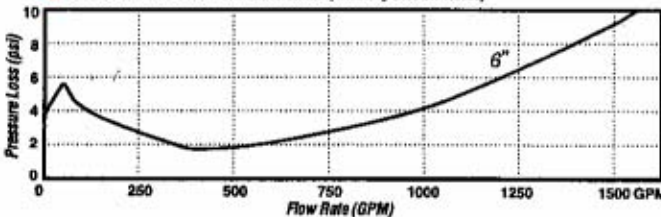
4" Documented Flow Characteristics (including shut-off valves)



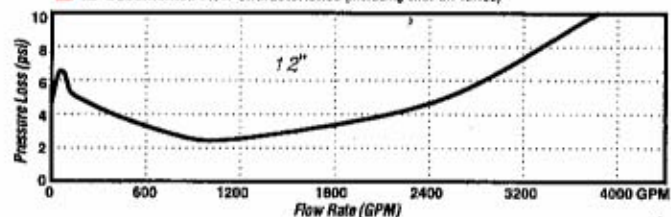
10" Documented Flow Characteristics (including shut-off valves) \*\*



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



12" Documented Flow Characteristics (including shut-off valves) \*\*



## Specifications

The double check detector assembly consists of two independently operating, spring loaded check valves, two UL, FM, OSY resilient wedge gate valves, and bypass assembly. The bypass assembly consists of a meter (cubic ft. or gallons), a double check including shut off valves and required test cocks. Each cam-check shall be internally loaded and provide a positive drip tight closure against reverse flow. Cam-check includes a

stainless steel cam arm and spring, rubber faced disc and a replaceable seat. The body shall be manufactured from 300 series stainless steel, 100% lead free, through the water way, with a single two-bolt grooved style access cover. No special tools shall be required for servicing. Double check detector shall be 3000ss.

\*\*Contact the factory for specific approvals