

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series 3000SS

## Double Check Detector Assemblies

**Sizes: 2½" – 12"**

Series 3000SS Double Check Detector Assemblies are designed for use in accordance with water utility non-health hazard containment requirements. It is mandatory to prevent the reverse flow of fire protection system substances, i.e., glycerin wetting agents, stagnant water and water of non-potable quality from being pumped or siphoned into the potable water supply.

### Features

- Cam-Check Assembly valve 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
- Furnished with 5/8" x 3/4" bronze meter (gpm or cfm)
- Detects underground leaks and unauthorized water use
- May be installed horizontal or vertical "flow up" position (ASSE Only)

### Available Models

#### Suffix:

- LG** – less shutoff valves
- OSY** – UL/FM outside stem and yoke resilient seated gate valves
- OSY FxG** – flanged inlet gate connection and grooved outlet gate connection
- OSY GxF** – grooved inlet gate connection and flanged outlet gate connection
- OSY GxG** – grooved inlet gate connection and grooved outlet gate connection
- CFM** – cubic feet per minute
- GPM** – gallons per minute meter

Post indicator plate and operating nut available – consult factory

#### **⚠ WARNING**

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.



### Specifications

A Double Check Detector Assembly shall be installed on fire protection systems when connected to a drinking water supply. Degree of hazard present is determined by the local authority having jurisdiction. The main valve body shall be manufactured from 300 Series stainless steel to provide corrosion resistance, 100% lead free\* through the waterway. The double check detector assembly consists of two independently operating, spring loaded check valves, two UL, FM, OSY resilient seated gate valves, and bypass assembly. The bypass assembly consists of a meter (cubic ft. or gallons), a double check including shutoff 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. There shall be no brass or bronze parts used within the cam-check valve assembly. The check valve seats shall be of molded thermoplastic construction. The use of seat screws as a retention method is prohibited. All internal parts shall be accessible through a single cover on the valve assembly. The valve cover shall be held in place through the use of a single grooved style two-bolt coupling. The bypass line shall be hydraulically sized to accurately measure low flow. The bypass line shall consist of a meter, a small diameter double check assembly with test cocks and isolation valves. The bypass line double check valve shall have two independently operating modular poppet check valves, and top mounted test cocks. The assembly shall be an Ames Fire & Waterworks 3000SS.

### 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.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



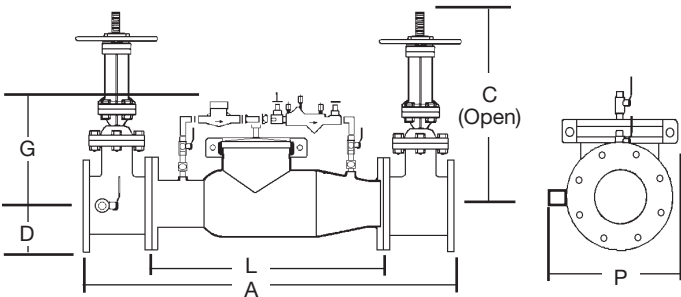
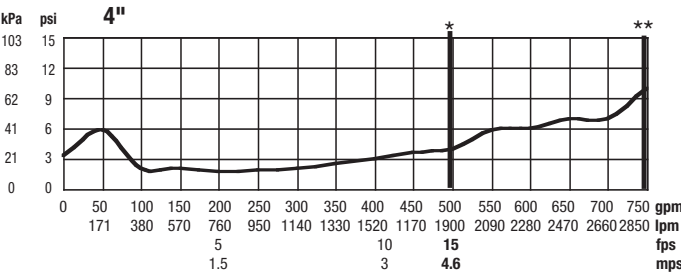
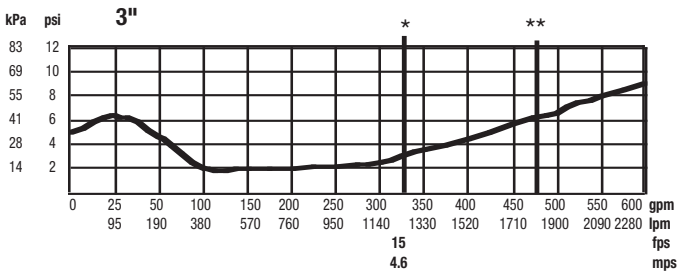
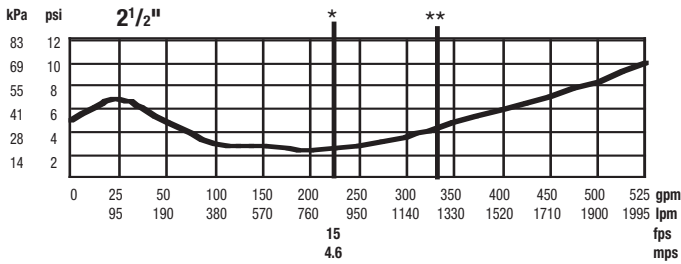
Ames Fire & Waterworks product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Fire & Waterworks Technical Service. Ames Fire & Waterworks reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Ames Fire & Waterworks products previously or subsequently sold.

## Pressure — Temperature

Temperature Range: 33°F – 110°F (0.5°C – 43°C)  
 Maximum Working Pressure: 175psi (12 bar)

## Capacity

Flow curves as tested by Underwriters Laboratory per UL 1469, 1996. \* Rated flow \*\*UL Tested

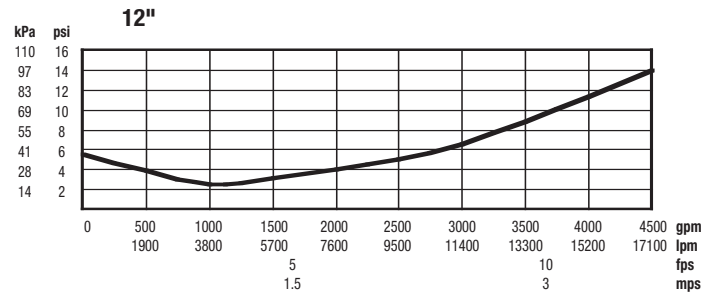
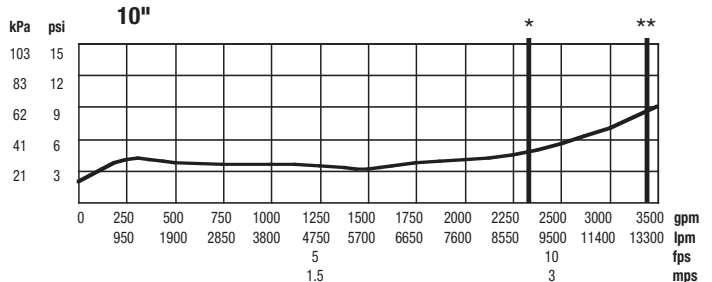
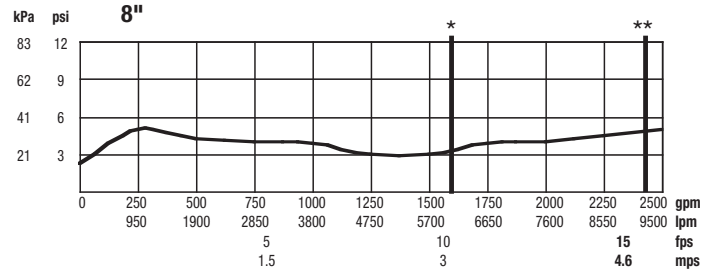
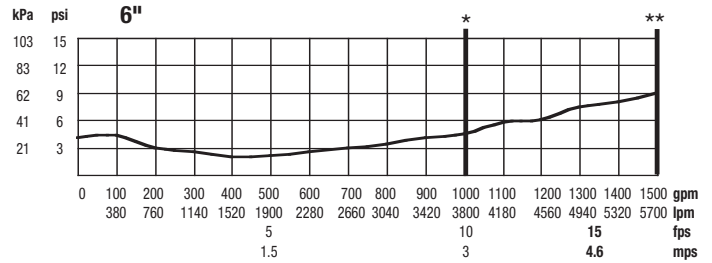


## Standards

ASSE 1048, AWWA C510-92, CSA B64.5, UL 1469

## Approvals

UL Classified (OSY only), FM (sizes 2 1/2" – 10", OSY only)



SIZE	DIMENSIONS								NET WEIGHT		NET WEIGHT					
	A		C (OSY)		D		G		L		P		w/Gates		w/o Gates	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg.	lb.	kg.
2 1/2	37	965	16 3/8	416	3 1/2	89	10	250	22	559	12 1/2	318	155	70	68	31
3	38	965	18 3/8	479	3 3/4	95	10	250	22	559	13	330	230	104	70	32
4	40	1016	22 3/4	578	4 1/2	114	10	250	22	559	14 1/2	368	240	109	73	33
6	48 1/2	1232	30 1/8	765	5 1/2	140	15	381	27 1/2	699	15 1/2	394	390	177	120	54
8	52 1/2	1334	37 3/4	959	6 3/4	171	15	381	29 1/2	749	18 1/2	464	572	259	180	82
10	55 1/2	1410	45 3/4	1162	8	200	15	381	29 1/2	749	19 1/2	495	774	351	190	86
12	57 1/2	1461	53 3/8	1349	9 1/2	241	15	381	29 1/2	749	21	533	1044	474	220	100



A WATTS Brand

USA: Backflow T: (978) 689-6066 • F: (978) 975-8350 • AmesFireWater.com  
 USA: Control Valves T: (713) 943-0688 • F: (713) 944-9445 • AmesFireWater.com  
 Canada: T: (905) 332-4090 • F: (905) 332-7068 • AmesFireWater.ca  
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