



Series 3000SS

Double Check Detector Assemblies

Sizes: 2¹/₂" – 12" (65 – 300mm)

Features

- Patented 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
- Maybe installed horizontal or vertical "flow up" position

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

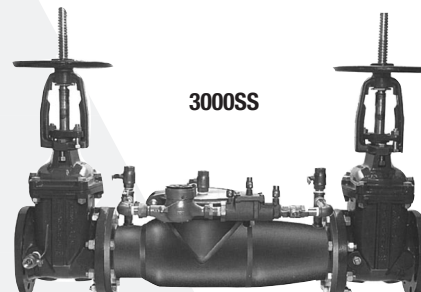
OSY GxF – grooved inlet gate connection and flanged outlet gate connection

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



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.

Specifications

A Double Check Detector Assembly shall be installed on fire protection systems when connected to a potable 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 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.

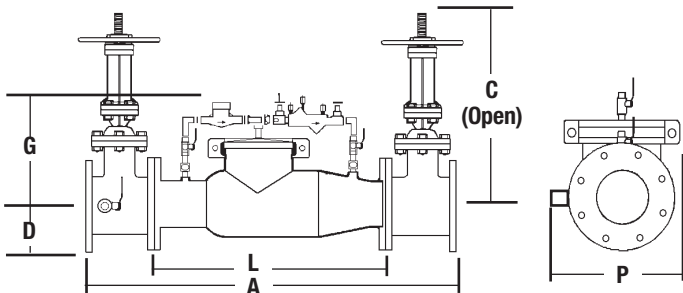
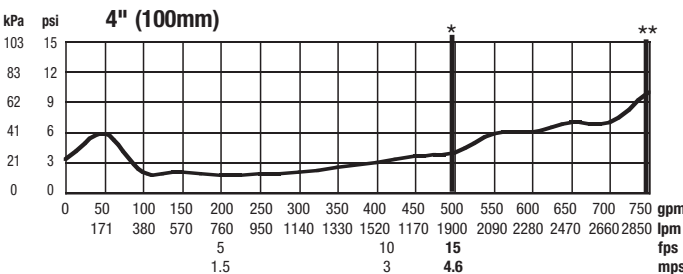
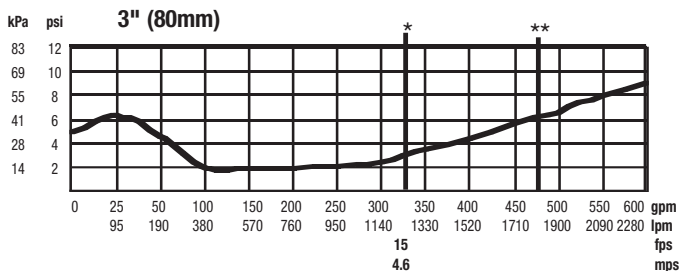
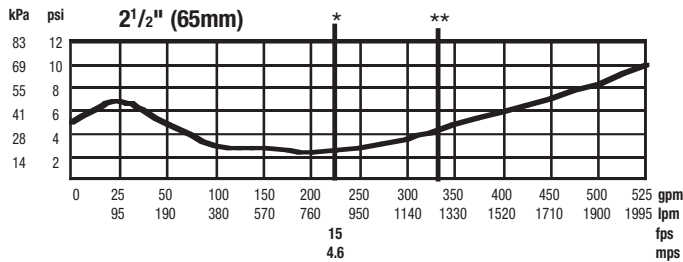
Job Name _____ Contractor _____
 Job Location _____ Approval _____
 Engineer _____ Contractor's P.O. No. _____
 Approval _____ Representative _____

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

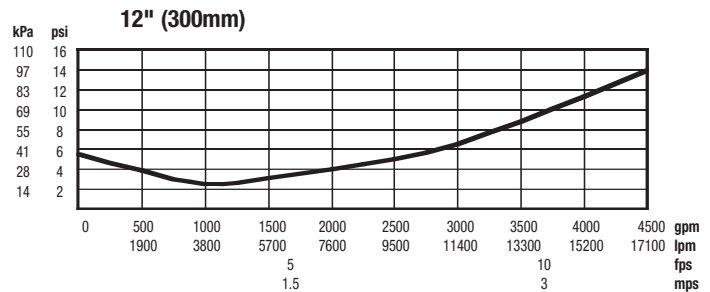
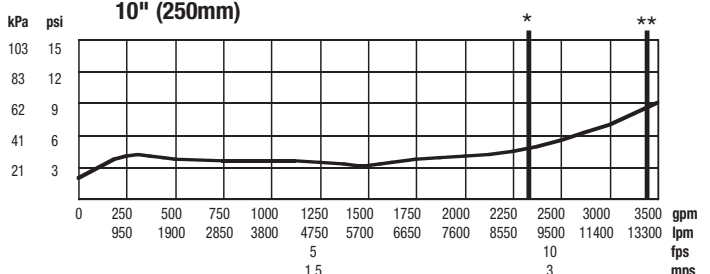
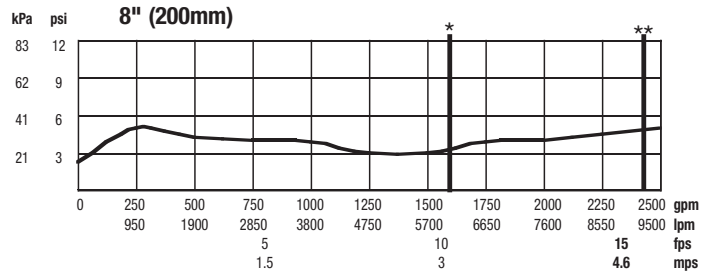
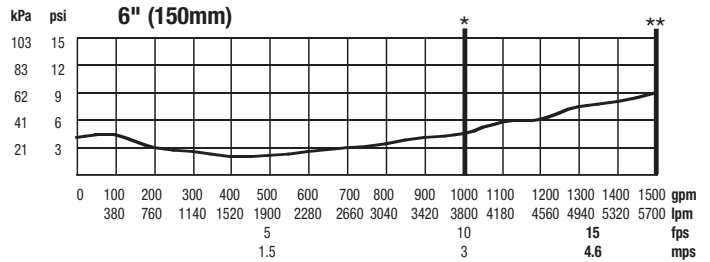


Standards

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

Approvals

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



SIZE (DN)		DIMENSIONS						NET WEIGHT		NET WEIGHT					
in.	mm	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.
2 1/2	65	37	965	16 3/8	416	3 1/2	89	10	250	22	559	12 1/2	318	155	70
3	80	38	965	18 7/8	479	3 3/4	95	10	250	22	559	13	330	230	104
4	100	40	1016	22 3/4	578	4 1/2	114	10	250	22	559	14 1/2	368	240	109
6	150	48 1/2	1232	30 1/8	765	5 1/2	140	15	381	27 1/2	699	15 1/2	394	390	177
8	200	52 1/2	1334	37 3/4	959	6 3/4	171	15	381	29 1/2	749	18 1/2	464	572	259
10	250	55 1/2	1410	45 3/4	1162	8	200	15	381	29 1/2	749	19 1/2	495	774	351
12	300	57 1/2	1461	53 1/8	1349	9 1/2	241	15	381	29 1/2	749	21	533	1044	474



www.amesfirewater.com



A Watts Water Technologies Company

USA: Backflow- 1427 N. Market Blvd • Suite #9 • Sacramento, CA 95834 • T: 916-928-0123 • F: 916-928-9333
 Control Valves- 18550 Hansen Road • Houston, TX 77075 • T: 713-943-0688 • F: 713-944-9445
 Canada: 5435 North Service Rd. • Burlington, ONT. L7L 5H7 • T: 905-332-4090 • F: 905-332-7068

ES-A-3000SS 0936

© 2009 Ames Fire & Waterworks