Engineering Specification

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

LEAD FREE*

Series 2000SS

Double Check Valve Assemblies

Sizes: 2½" – 12"

Series 2000SS Double Check Valve Assemblies are designed to prevent the reverse flow of polluted water from entering the potable water system. This series can be applied, where approved by the local authority having jurisdiction, on non-health hazard installations. Features short end-to-end dimensions, lightweight stainless steel body, and low head loss.

2000SS-OSY-TS

Features

- 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 (ASSE Only)
- Includes an integrated supervisory tamper switch on each gate valve of the OSY model

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

NOTICE

Inquire with governing authorities for local installation requirements.

Specification

A Double Check Valve Assembly shall be installed at each noted location to prevent the unwanted reversal of polluted water into the potable water supply. 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 shall consist of two independently operated spring loaded cam-check valves, required test cocks, and optional inlet and outlet resilient seated shutoff valves. Each cam-check shall be internally loaded and provide a positive drip tight closure against the reverse flow of liquid caused by backsiphonage or backpressure. The modular cam-check includes a stainless steel spring and cam-arm, rubber faced disc and a replaceable seat. There shall be no brass or bronze parts used within the cam-check valve assembly. The valve cover shall be held in place through the use of a single grooved style two-bolt coupling. The main assembly shall consist of two independently operating torsion spring check assemblies, two resilient seated isolation valves, and four ball valve type test cocks.

The integrated supervisory tamper switch on the OSY model shall have continuity with the valve fully open and activate within two (2) turns from open. The device consists of two SPDT switches and is designed to send a tamper signal when the valve is closed and when the switch is removed from the valve. In the neutral position, the switch indicates the valve is fully open. Closing the valve causes the switch rod to come out of the valve stem groove, activating the switch. Removing the tamper switch also activates the switch. The assembly shall be an Ames Fire & Waterworks Series 2000SS.

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

AMES FIRE & WATERWORKS

A WATTS Brand

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

Standards

AWWA C510-92, CSA B64.5

Approvals

1015 (OSY ONLY) For 12" approvals consult factory

Available Models

Suffix:

NRS – Non-rising stem resilient seated gate valves
OSY-TS – UL/FM outside stem and yoke resilient seated gate valves with integrated tamper switch
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
LG – – Less gates

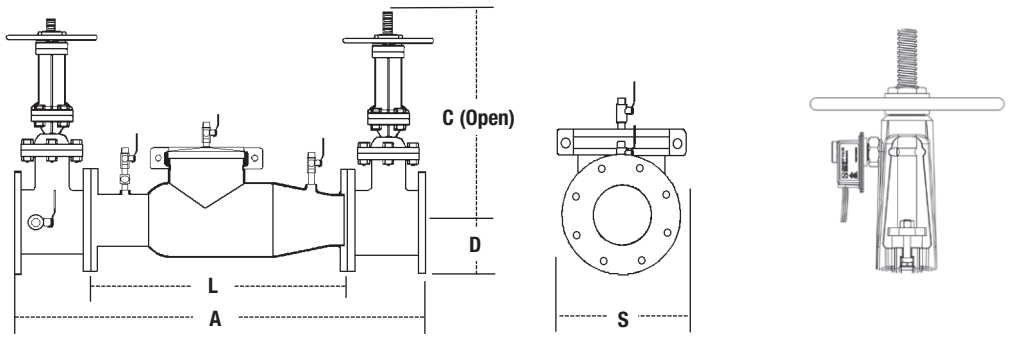
** Consult factory for the following:

– Grooved NRS gate valves
– Post-indicator plate and operating nut
– Dimensions

Pressure — Temperature

Temperature Range: 33°F – 110°F (5°C – 43°C)
Maximum Working Pressure: 175psi (12.06 bar)

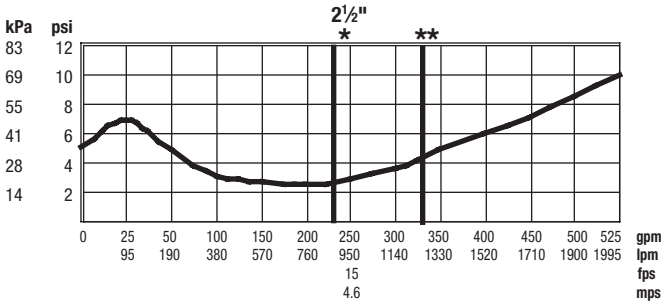
Dimensions — Weights

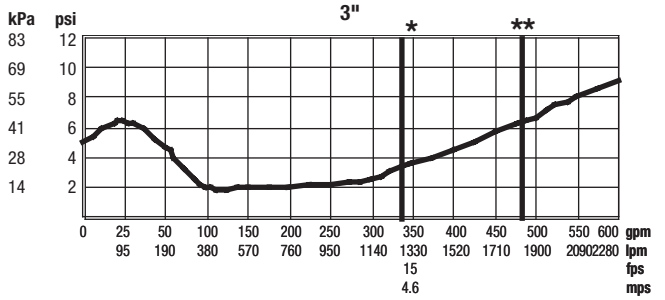


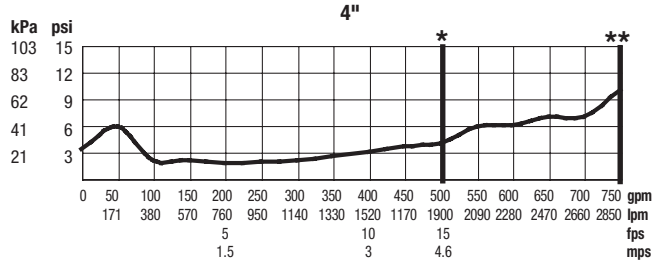
SIZE	DIMENSIONS												WEIGHT			
	A		C (OSY)		C(NRS)		D		L		S		w/Gates		w/o Gates	
in.	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lb*	*kg*	*lb*	*kg*
2 1/2	37	965	16 3/8	416	9 3/8	238	3 1/2	89	22	559	7	178	145	66	53	24
3	38	965	18 7/8	479	10 1/4	260	3 3/4	95	22	559	7 1/2	191	220	100	55	25
4	40	1016	22 3/4	578	12 3/16	310	4 1/2	114	22	559	9	229	230	104	58	26
6	48 1/2	1232	30 1/8	765	16	406	5 1/2	140	27 1/2	699	11	279	380	172	105	48
8	52 1/2	1334	37 3/4	959	19 15/16	506	6 3/4	171	29 1/2	749	13 1/2	343	566	256	169	77
10	55 1/2	1410	45 3/4	1162	23 13/16	605	8	200	29 1/2	749	16	406	768	348	179	81
12	57 1/2	1461	53 1/8	1349	26 3/4	679	9 1/2	241	29 1/2	749	19	483	1038	471	209	95

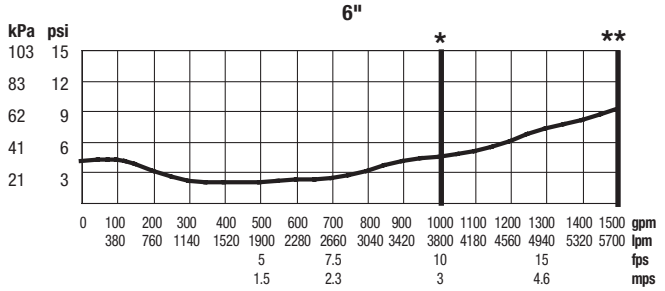
Capacity

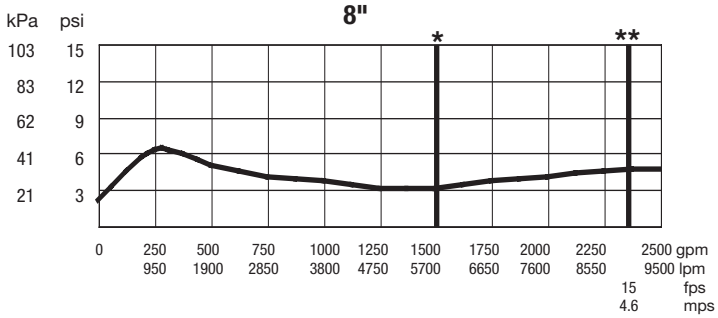
Rated working pressure 175psi (12.06 bar) * Rated flow **UL Tested

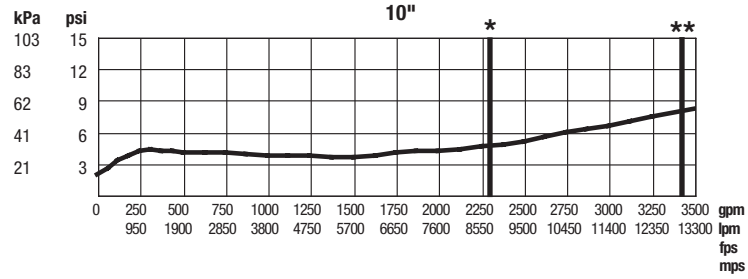


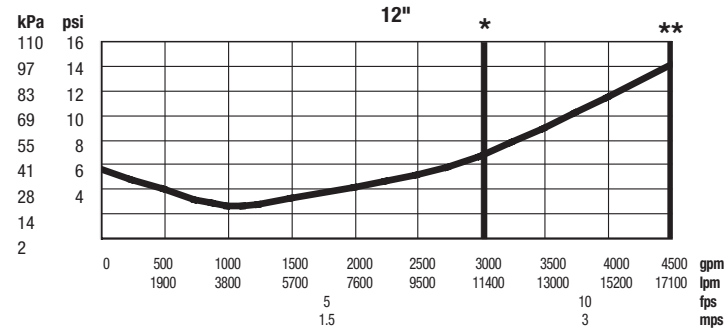












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Canada: T: (888) 208-8927 • F: (905) 481-2316 • AmesFireWater.ca
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