

For Non-Health Hazard Applications



LEAD FREE*

Series 774 Double Check Valve Assemblies

Sizes: 2½" – 12" (65 – 300mm)

Series 774 Double Check Valve Assemblies are designed to prevent the reverse flow of polluted water from entering into 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, light weight stainless steel body, and the lowest head loss available.

Features

- Torsion spring check 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
- Thermoplastic and stainless steel check valves for trouble-free operation
- No special tools required for servicing
- Compact construction allows for smaller vaults and enclosures
- May be installed in horizontal or vertical "flow up" position

Materials

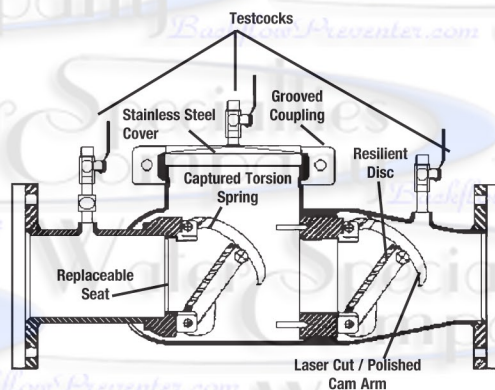
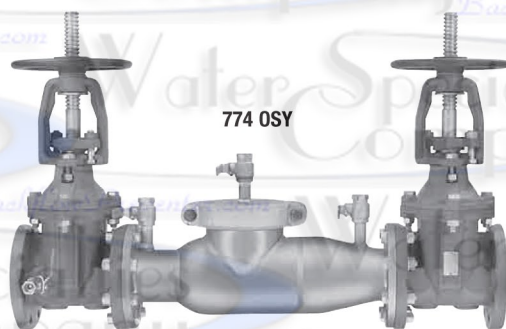
All internal metal parts: 300 Series stainless steel
Main valve body: 300 Series stainless steel
Check assembly: Noryl®
Flange dimension in accordance with AWWA Class D

Pressure - Temperature

Temperature Range: 33°F – 110°F (0.5°C – 43°C) continuous
Maximum Working Pressure: 175psi (12.1 bar)

Specifications

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. The check valves shall be of thermoplastic construction with stainless steel hinge pins, cam arm, and cam bearing. The check valves shall utilize a single torsion spring design to minimize pressure drop through the assembly. The check valves shall be modular and shall seal to the main valve body by the use of an O-ring. There shall be no brass or bronze parts used within the 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 assembly shall be a Watts Series 774.



Available Models

Suffix:

- NRS - non-rising stem resilient seated gate valves
- OSY - UL/FM resilient seated outside stem & yoke gate valves
- LF - without shutoff valves
- S - cast iron strainer
- **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

Available with grooved NRS gate valves - consult factory**

Post indicator plate and operating nut available - consult factory**

**Consult factory for dimensions

**IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES
FOR LOCAL INSTALLATION REQUIREMENTS**

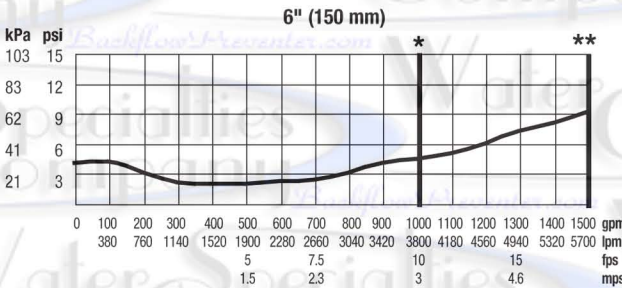
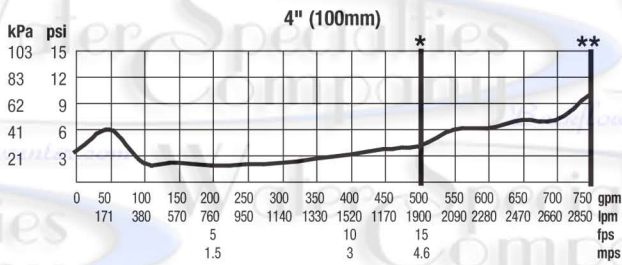
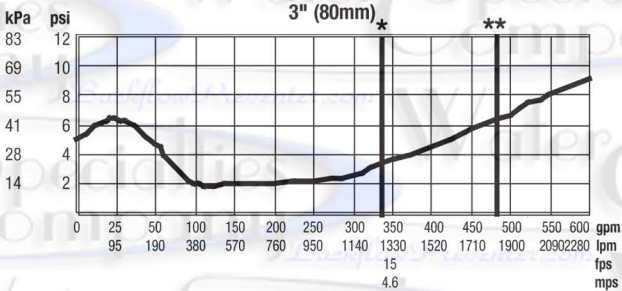
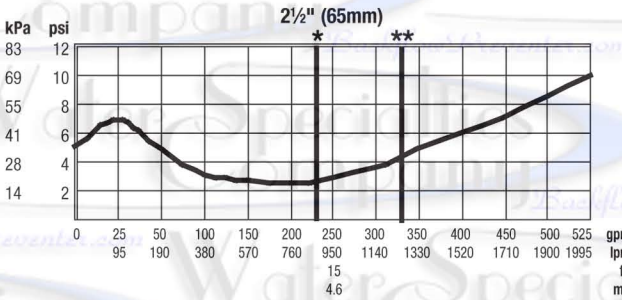
*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Standards

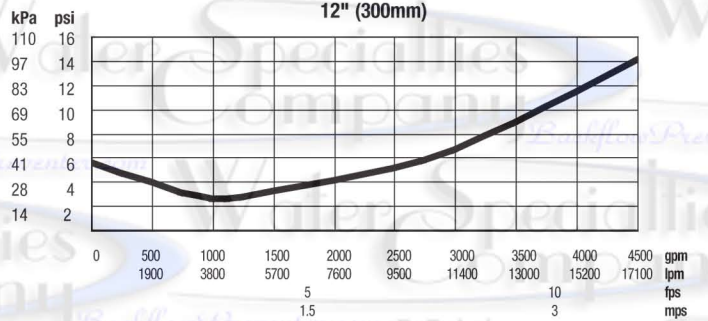
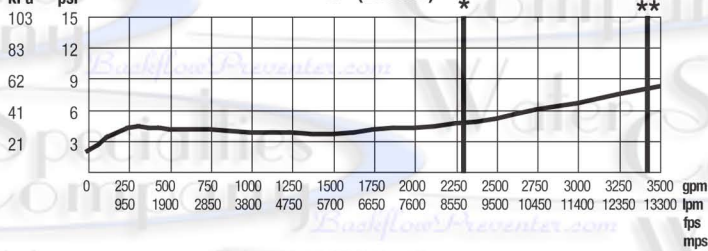
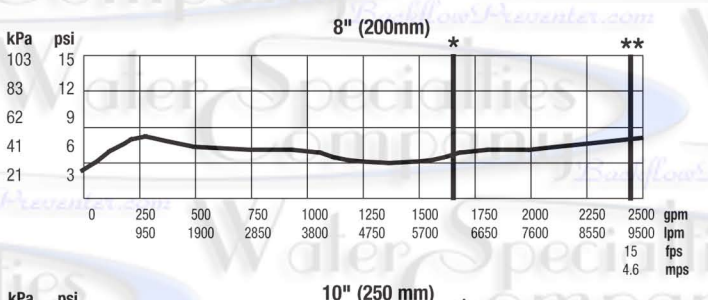
AWWA C510-92, CSA B64.5

Capacity

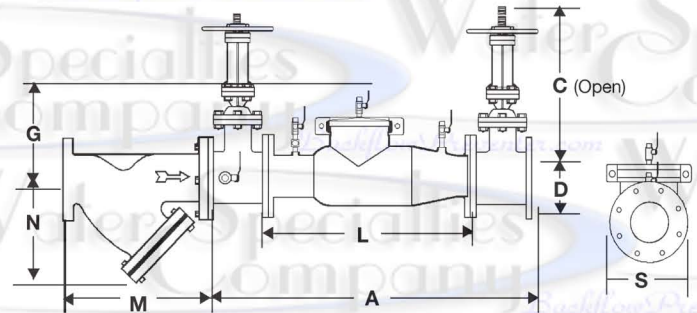
Rated working pressure 175psi (12.1 bar) * Rated flow, ** UL Tested



Approvals



Dimensions - Weight



SIZE (DN)				DIMENSIONS														WEIGHT					
		A		C (open)				D		G		L		M		N		S		w/Gates		w/o Gates	
				OSY		NRS										Screen Removal							
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2½	65	38	965	16⅞	416	9⅞	238	3½	89	10	254	22	559	10	254	6½	165	7	178	140	64	53	24
3	80	38	965	18⅞	479	10¼	260	3¾	95	15	381	22	559	10⅞	257	7	178	7½	191	215	98	55	25
4	100	40	1016	22¾	578	12⅞	310	4½	114	10	254	22	559	12½	308	8¼	210	9	229	225	102	58	26
6	150	48½	1232	30⅞	765	16	406	5½	140	15	381	27½	699	18½	470	13½	343	11	279	375	170	105	48
8	200	52½	1334	37¾	959	19⅞	506	6¾	171	15	381	29½	749	21⅞	549	15½	394	13½	343	561	254	169	77
10	250	55½	1410	45¾	1162	23⅞	605	8	200	15	381	29½	749	26	660	18½	470	16	406	763	346	179	81
12	300	57½	1461	53⅞	1349	26¾	679	9½	241	15	381	29½	749	29½	759	21¾	552	19	483	1033	469	209	95

Nory® is a registered trademark of General Electric Company

WATTS®

A Watts Water Technologies Company

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