

## For Non-Health Hazard Applications

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

# 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

- Patented 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

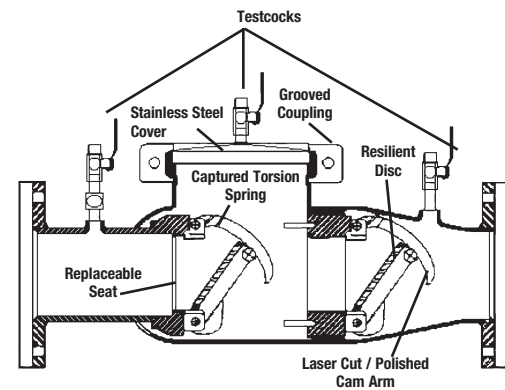
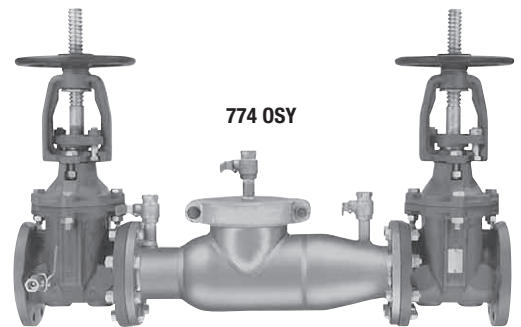
All internal metal parts: 300 Series stainless steel  
 Main valve body: 300 Series stainless steel  
 Check assembly: Noryl®  
 Flange dimension in accordance with AWWA Class D

### 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

### Now Available WattsBox Insulated Enclosures.

For more information, send for literature ES-WB.

**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.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts 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 Watts products previously or subsequently sold.

# WATTS®

# Standards

AWWA C510-92, CSA B64.5

# Capacity

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

# Approvals



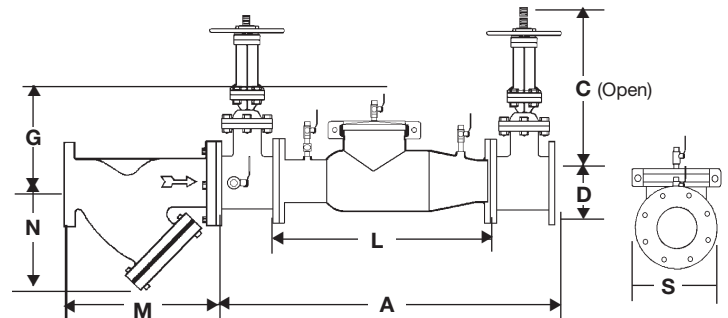
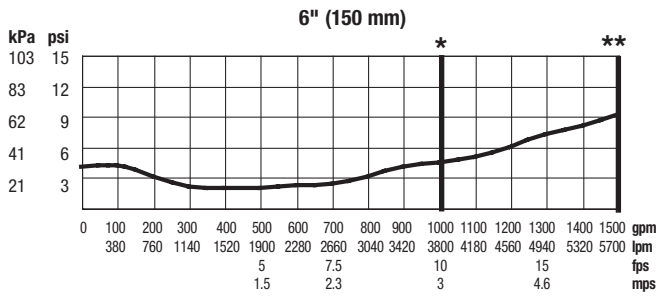
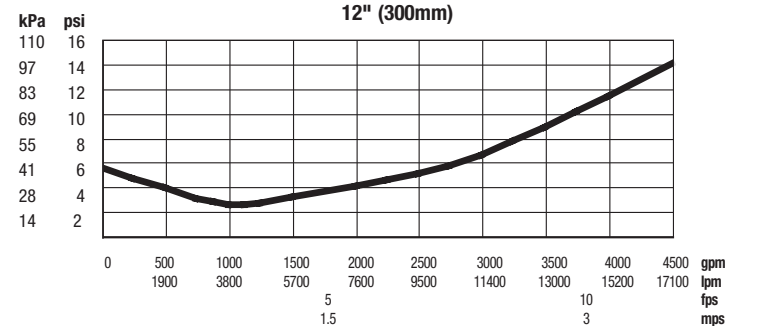
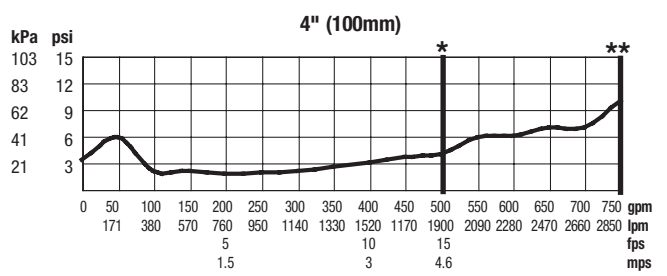
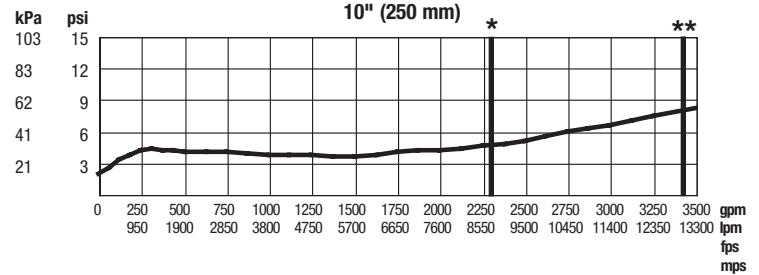
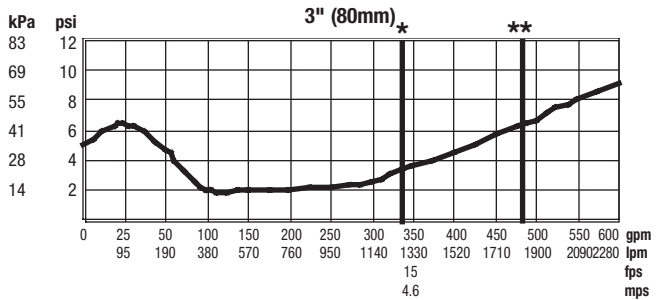
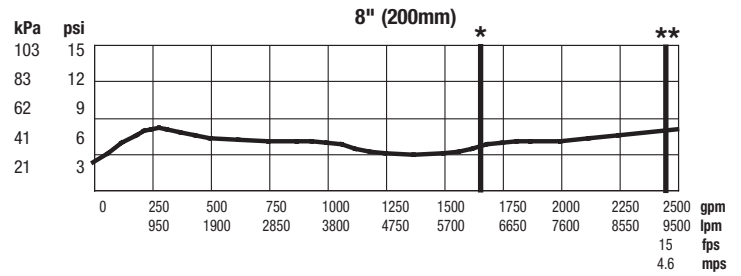
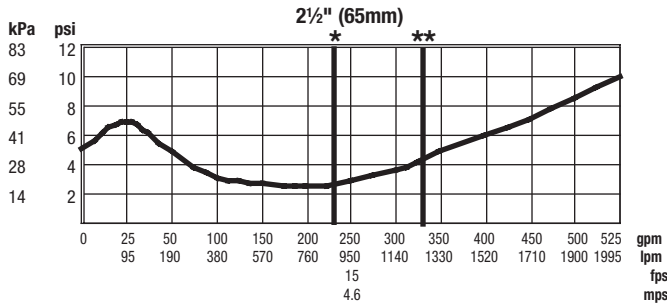
1015



Approved  
(4" - 10"  
OSY only)



(OSY only)



# Dimensions - Weight

SIZE (DN)		DIMENSIONS														WEIGHT							
in.	mm	A		C (open)				D		G		L		M		N		S		w/Gates		w/o Gates	
		in.	mm	OSY	NRS	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2 1/2	65	38	965	16 3/8	416	9 3/8	238	3 1/2	89	10	254	22	559	10	254	6 1/2	165	7	178	140	64	53	24
3	80	38	965	18 7/8	479	10 1/4	260	3 3/4	95	15	381	22	559	10 1/8	257	7	178	7 1/2	191	215	98	55	25
4	100	40	1016	22 3/4	578	12 3/16	310	4 1/2	114	10	254	22	559	12 1/8	308	8 1/4	210	9	229	225	102	58	26
6	150	48 1/2	1232	30 1/8	765	16	406	5 1/2	140	15	381	27 1/2	699	18 1/2	470	13 1/2	343	11	279	375	170	105	48
8	200	52 1/2	1334	37 3/4	959	19 15/16	506	6 3/4	171	15	381	29 1/2	749	21 5/8	549	15 1/2	394	13 1/2	343	561	254	169	77
10	250	55 1/2	1410	45 3/4	1162	23 13/16	605	8	200	15	381	29 1/2	749	26	660	18 1/2	470	16	406	763	346	179	81
12	300	57 1/2	1461	53 1/8	1349	26 3/4	679	9 1/2	241	15	381	29 1/2	749	29 7/8	759	21 3/4	552	19	483	1033	469	209	95

Noryl® is a registered trademark of General Electric Company



A Watts Water Technologies Company



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca