Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

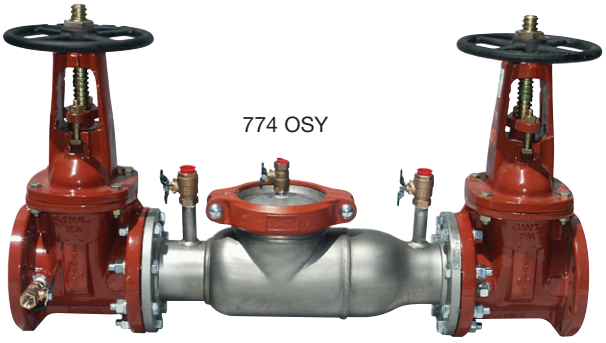
LEAD FREE*

Series 774

Double Check Valve Assemblies

Sizes: 2½" – 12"

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.


774 OSY

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

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.

Now Available
WattsBox Insulated Enclosures.
For more information, send for literature ES-WB.

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

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

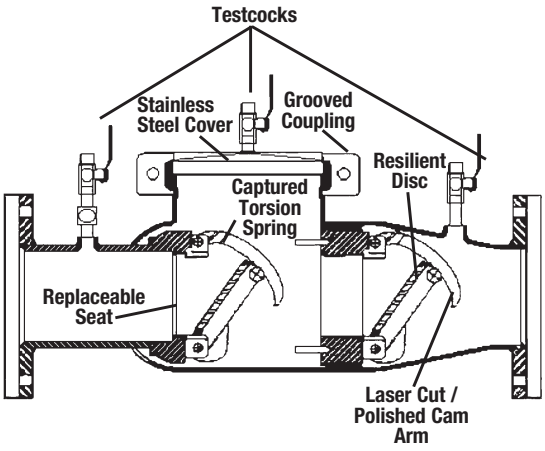
WATTS®

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



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: 33ºF – 110ºF (0.5ºC – 43ºC) continuous

Maximum Working Pressure: 175psi (12.1 bar)

Standards

AWWA C510-92, CSA B64.5

Approvals

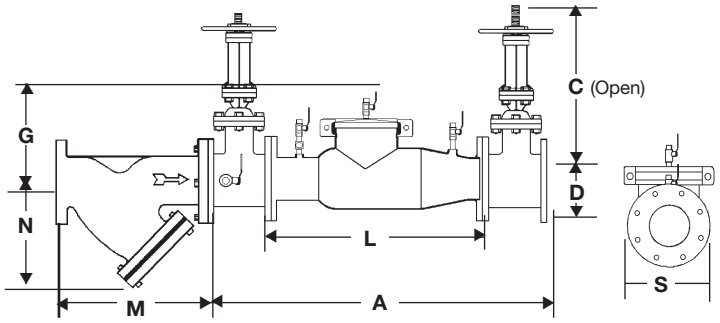
ASSE 1015

FM Approved (4" - 10" OSY only)

CLASSIFIED C UL US (OSY only)

For 12" assembly approvals consult factory.

Dimensions - Weight

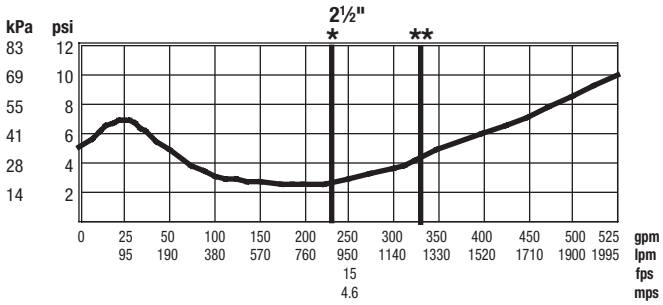


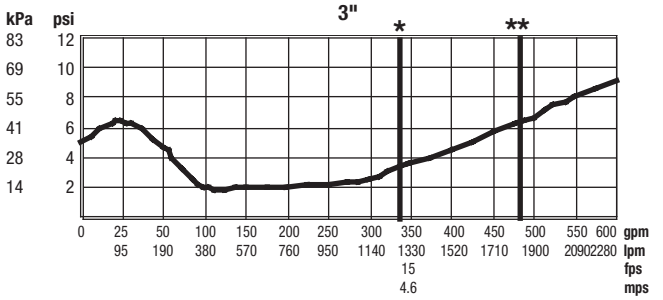
SIZE	DIMENSIONS																		WEIGHT			
	A		C (open) OSY		C (open) NRS		D		G		L		M		N Screen Removal		S		w/Gates		w/o Gates	
in.	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kgs.*	*lbs.*	*kgs.*
2 1/2	37	940	16 3/8	416	9 3/8	238	3 1/2	89	10	254	22	559	10	254	6 1/2	165	7	178	140	64	53	24
3	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	40	1016	22 3/4	578	12 9/16	310	4 1/2	114	10	254	22	559	12 1/8	308	8 1/4	210	9	229	225	102	58	26
6	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	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	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	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

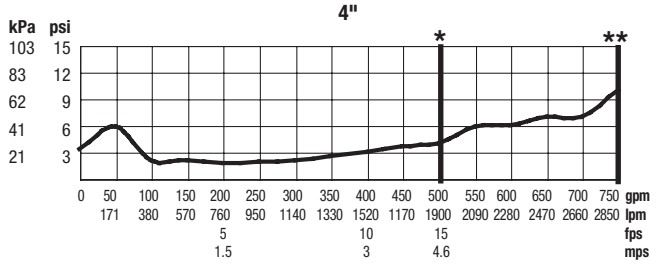
Noryl® is a registered trademark of General Electric Company

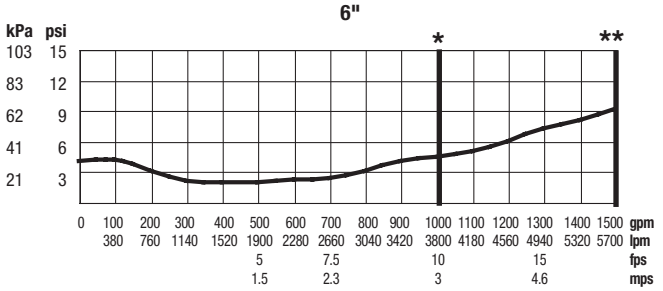
Capacity

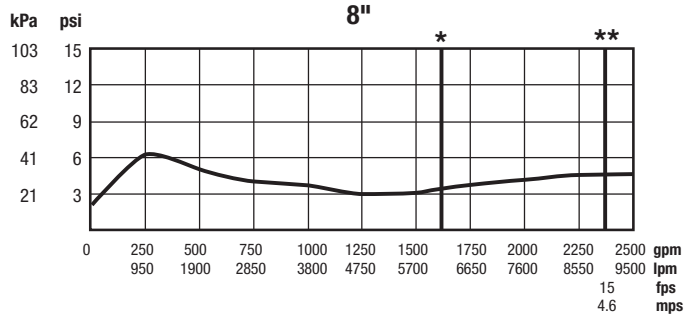
Rated working pressure 175psi (12.1 bar) * Rated flow, ** UL Tested

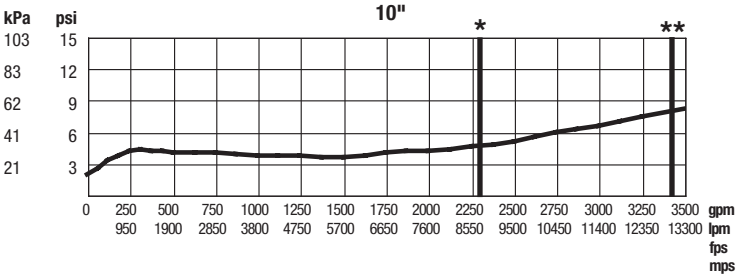


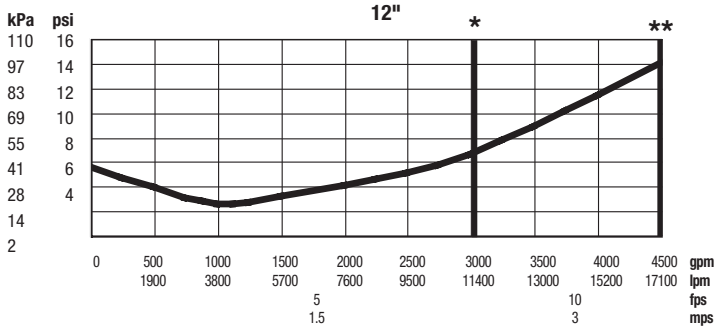












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