

WATTS

775/ 775N

SIZE

1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3", 4", 6", 8"

DESCRIPTION

This is a double check assembly. Production began in 1998. The 3"-6" was discontinued in 2003. In the 1/2"-2" size the body is made of copper tubing which is nickel plated. There is a single cover on the top. The checks are modular in construction and the springs are contained when the single access cover is removed. The check modules thread into the body. The 3"-8" body is made of stainless steel. The checks are modular in construction and the springs are contained when the single access cover is removed. The check modules are repairable and thread into the body. In the 3"-8" size there is a 775N model which uses two stainless steel elbows mounted between the backflow preventer flange and shut-off flange.

BASIC REPAIR KIT

The repair kit contains disc holders or discs and O-rings

<u>SIZE</u>	<u>KIT NO</u>
1/2"-3/4"	775-RT050
1"	775-RT100 ♦
1 1/4"-1 1/2"	775-RT125 ♦
2"	775-RT200
3"-4"	775-RT300
6"-8"	775-RT600

IMPORTANT FEATURES

~1/2"-2" has a nickel plated copper tube body

~3"-8" has a stainless steel body

~Modular check design

~Factory repair information enclosed



Series 775 Double Check Valve Assembly

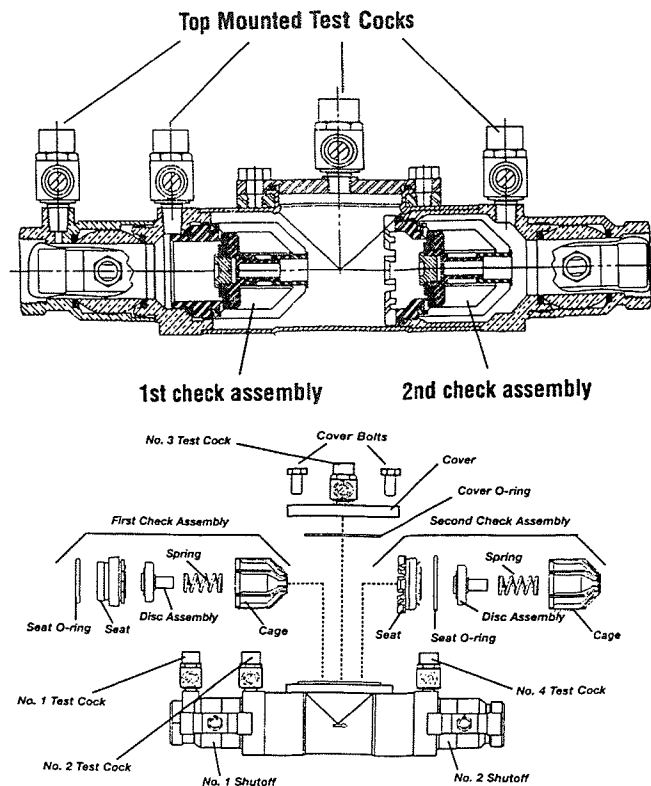
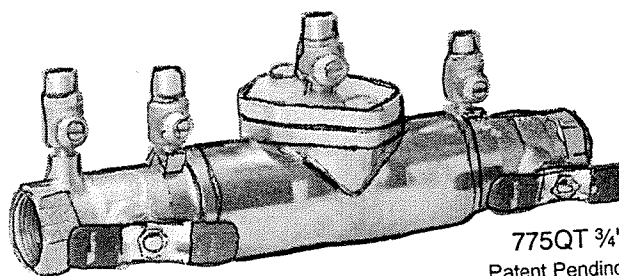
Sizes ½ through 2" (15-50mm)

FEATURES

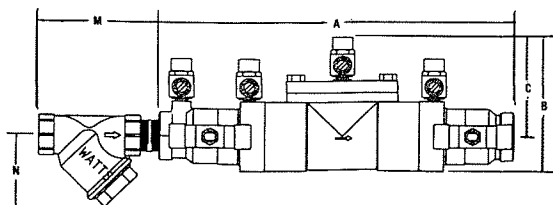
- Tubular copper body creates smooth flow path and low headloss
- External/internal electroless nickel-plated body acts as an oxygen barrier for corrosion resistance
- Threaded-in check modules eliminate the use of check retainers for lower pressure loss
- Shortest lay length in the industry allows for the use of smaller meter boxes and enclosures
- Bolted on, top entry stainless steel single access cover for ease of maintenance in meter box installations
- Modular check construction featuring non-reversible checks with captured springs for simplified servicing
- Check valve seats are replaceable without the use of special tools
- Top mounted test cocks provide easy access for testing

PRESSURE-TEMPERATURE

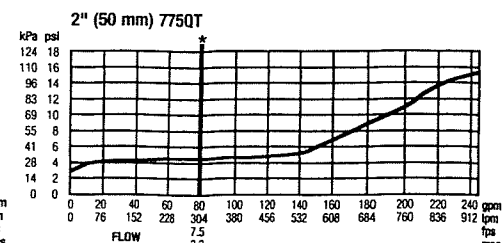
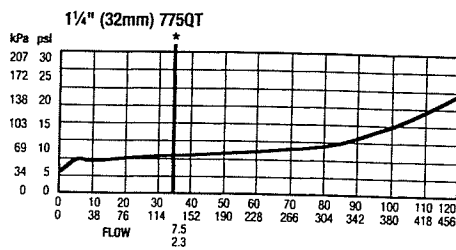
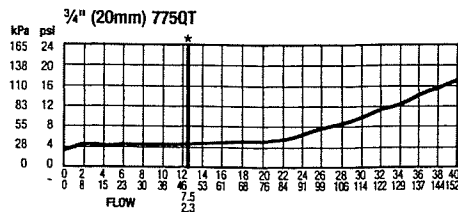
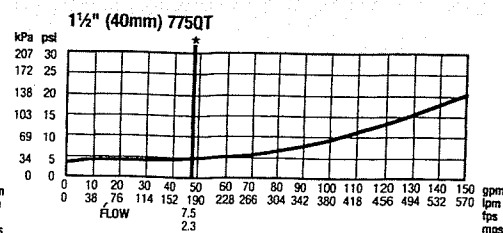
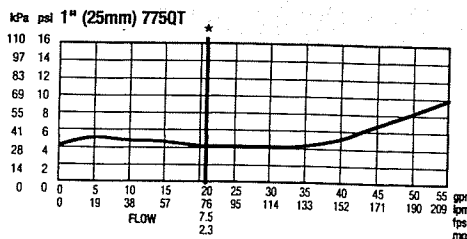
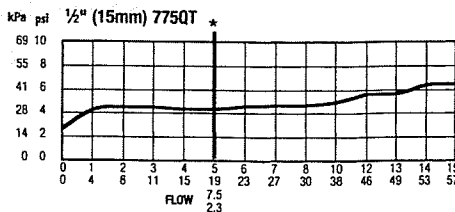
Suitable for supply pressure up to 175 psi (12 bars) and water temperature of up to 140°F (60°C) constant and 180°F (82°C) intermittent.



Dimensions - Weights



	A		B		C		G		H		I		M		N		Wt.	Lbs.	Kgs.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm			
½	15	9	228	3 3/8	92	2 3/8	67	3 3/8	81	1 3/8	41	1 3/8	40	3	76	3	76	4	1.8
¾	20	9	228	3 3/8	92	2 3/8	67	3 3/8	81	1 3/8	41	1 3/8	40	3 1/2	89	3	76	4	1.8
1	25	11 3/4	286	4 1/2	114	3 3/8	84	3 3/8	89	1 3/8	47	1 3/8	41	4 1/2	121	3 3/4	83	6.31	2.9
1 1/4	32	15 3/8	390	6	152	4 1/8	113	6	152	3 3/8	82	2 3/4	69	4 1/2	114	3 1/2	89	17	7.7
1 1/2	40	15 3/8	390	6	152	4 1/8	113	6	152	3 3/8	82	2 3/4	69	4 1/2	111	4	102	17	7.7
2	50	18 1/2	460	6	152	4 1/8	113	6 3/4	171	3 3/8	82	2 3/4	69	5 1/2	137	5	102	26	11.8



Series 775

Double Check Valve Backflow Preventer

Sizes: 3" - 8" (80 - 200mm)

FEATURES

- Short lay length for low installation cost - ideal for retrofit, valve vault and enclosure installations
- Light weight stainless steel body reduces handling and shipping costs versus cast iron valves
- Patented torsion spring check valve minimizes head loss
- Center-loaded stainless steel center pivot arm-distributes spring load evenly for repeatable trouble free operation
- Stainless steel body provides long term corrosion protection and maximum strength-eliminates need for epoxy coatings
- Threaded-in check modules eliminate the need for retaining wires and difficult to remove clips
- Reversible check disc rubber
- Single top access cover with two bolt grooved style coupling for ease of maintenance
- Stainless steel and thermoplastic check valve construction for corrosion resistance
- No special tools required for servicing
- Same lay length as most Detector Check Valves for simplified retrofit installations
- Lead free body
- May be installed horizontally or vertically for ease of installation*

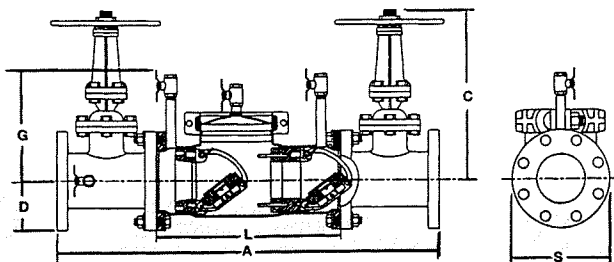
MATERIALS

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

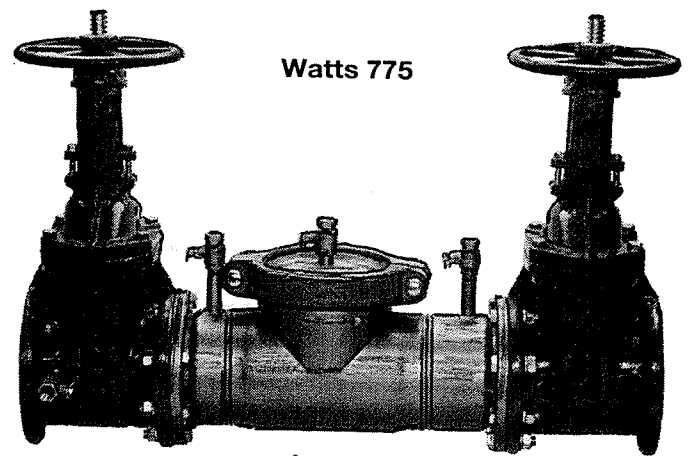
PRESSURE - TEMPERATURE

Suitable for supply pressures up to 175 psi (12.1 bars) and water temperature to 110°F (43°C) continuous.

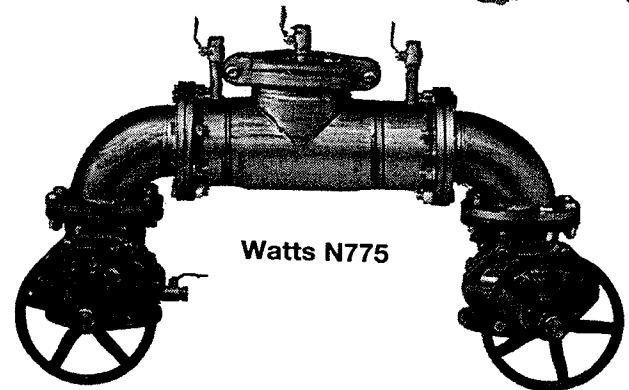
DIMENSIONS/WEIGHT (approximate)



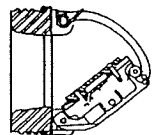
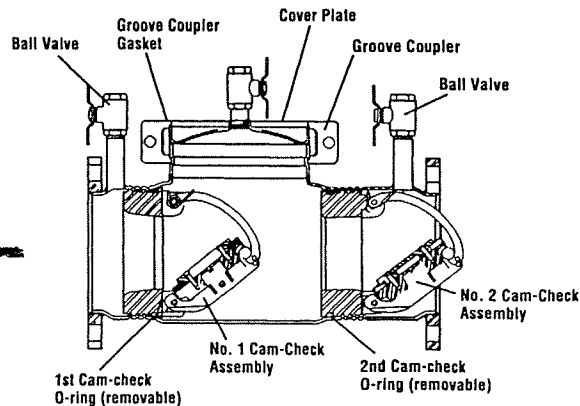
Size (DN)	A	C(OSV)	C(NRS)	D	G	L	S	Weight w/Gates lb.	Weight w/o Gates lb.
In. mm	In. mm	In. mm	In. mm	In. mm	In. mm	In. mm	In. mm	kg.	kg.
3 80	36 1/4 918	18 1/4 479	12 3/4 314	3 3/4 95	10 1/4 267	20 508	7 1/4 191	190 86	43 20
4 100	34 3/4 879	22 3/4 578	14 3/4 375	4 1/4 114	10 1/4 267	16 1/4 419	9 229	255 116	42 18
6 150	43 3/4 1108	30 3/4 765	19 483	5 1/4 140	12 1/4 318	22 3/4 572	11 279	399 181	78 34
8 200	45 3/4 1159	37 3/4 959	22 3/4 572	6 3/4 171	12 1/4 318	22 3/4 572	13 3/4 343	613 278	92 41



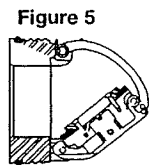
Watts 775



Watts N775

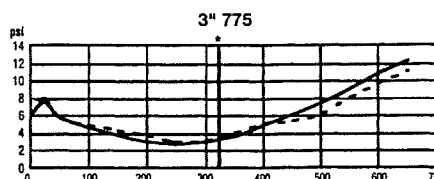


No. 1 Check Assembly

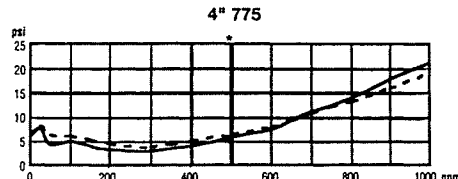


No. 2 Check Assembly

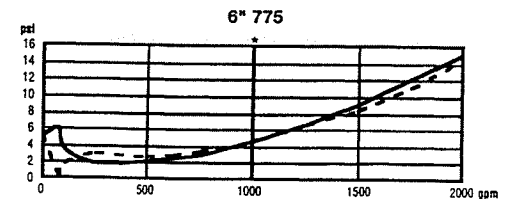
Figure 5



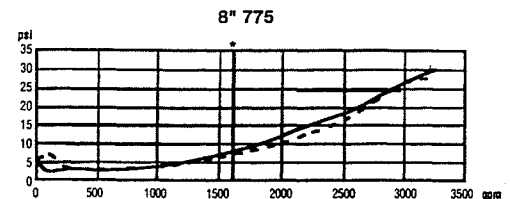
3" 775



4" 775



6" 775



8" 775

*Rated flow as established by approval agencies

Horizontal = ———
Vertical = - - - - -