WATTS
774/774X

SIZE
2 1/2", 3", 4", 6", 8", 10", 12"

DESCRIPTION
This is a double check assembly. Production began in 1998. In 1997 the Watts Company purchased the Ames Company. Watts began marketing the Ames 2000SS as the Watts 774 and the 2000SE as the 774X. The body is made of stainless steel. The model utilizes a modular check design so that springs will be contained when the cover is removed. In the 2 1/2"-6" size the check assemblies are not field repairable and the whole check module must be replaced for an average repair. The check mechanism threads into the body and is a cam operated design made of glass filled noryl. The difference between the 774 and 774X is that the 774X utilizes internal parts one size smaller than the pipe size: (e.g. an 8" 774X would contain 6" check modules, a 6" 774X would contain 4" check modules). Be sure which version you have because parts will be different. The 774X models were discontinued in 2006. The 8"-10" check modules have a rubber disc design which can be replaced in the field. The check modules are bolted into the body and are not threaded as the smaller sizes are.

BASIC REPAIR KIT
The repair kit contains all check modules and O-rings.

SIZE	KIT NO
2 1/2"-4"	774-T400
6" 774	774-T600
6" 774X	774-T400
8"-12" 774	774-T800
8" 774X	774-T600

IMPORTANT FEATURES
~Stainless steel body

~Modularized checks

~Springs are contained

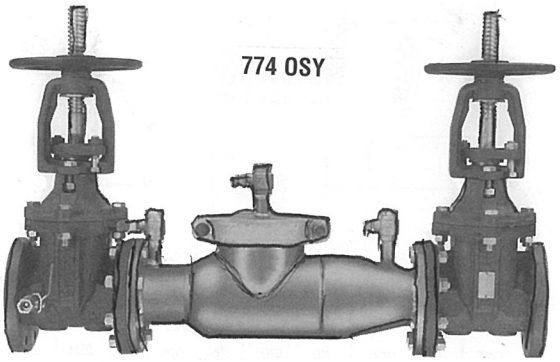
~Seats are replaceable

~Factory repair information enclosed

BAVCO
BACKFLOW APPARATUS & VALVE CO.

Series 774 – 774X

Double Check Valve Backflow Preventer 2 ½ - 12”



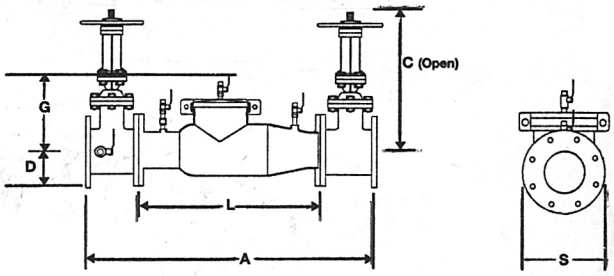
MATERIALS

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

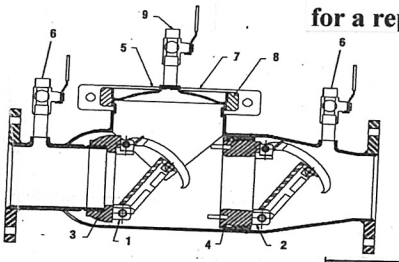


Size (DN) in.	Size (DN) mm	774 Dimensions A in.	A mm	C (open) in.	C (open) mm	D in.	D mm	G in.	G mm	L in.	L mm	S in.	S mm	Net Weight w/ Gates lb.	Net Weight w/ Gates kg.	Net Weight w/o Gates lb.	Net Weight w/o Gates kg.
2½	65	37		16½	419	3½	89	10	254	22	559	7	178	140	64	53	24
3	80	38	965	22	559	3¾	95	15	381	22	559	7½	191	215	98	55	25
4	100	40	1016	22¾	578	4½	114	10	254	22	559	9	229	225	102	58	26
6	150	48½	1232	30⅛	765	5½	140	15	381	27½	699	11	279	375	170	105	48
8	200	52½	1334	37¾	959	6¾	171	15	381	29½	749	13½	343	561	254	169	77
10	250	55½	1410	45¾	1162	8	200	15	381	29½	749	16	406	763	346	179	81
12	300	57½	1461	54	1372	9½	241	15	381	29½	749	19	483	1033	469	209	95

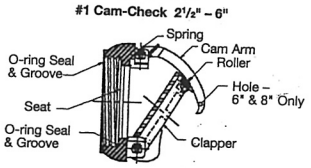
774X Size in. / mm	A in. / mm	C (open) in. / mm	D in. / mm	G in. / mm	L in. / mm	P in. / mm	S in. / mm	Net Weight w/Gates 774X lb. / kg	Net Weight w/Gates 774XDCDA lb. / kg.	Net Weight w/o Gates 774X lb. / kg.	Net Weight w/o Gates 774XDCDA lb. / kg.
6 / 150	41½ / 1054	30 / 762	5½ / 140	11¼ / 283	20 / 508	16½ / 419	11 / 279	328 / 149	341 / 155	58 / 26	71 / 32
8 / 200	52½ / 1334	37¾ / 959	6¾ / 171	17½ / 445	29½ / 749	17½ / 445	13½ / 343	540 / 245	555 / 252	120 / 54	135 / 61

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.

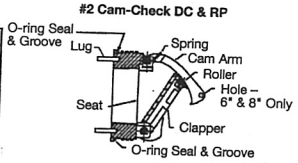
2 ½” - 6” checks are modular but check disc is not replaceable and the whole check module must be replaced for a repair



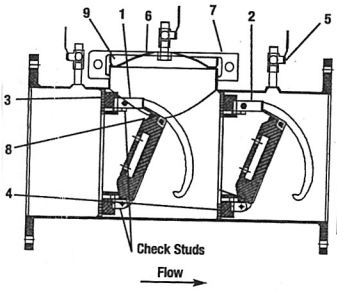
2 ½ - 6”

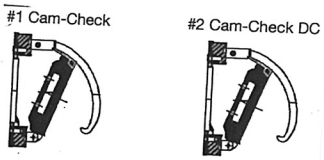
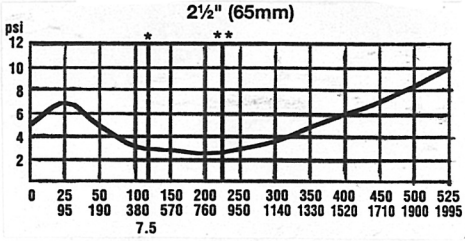
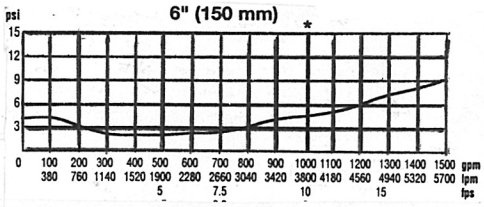
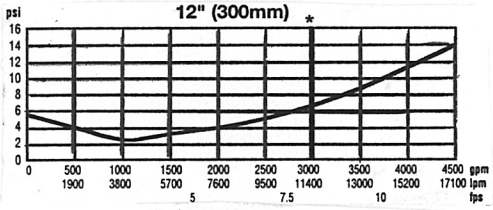
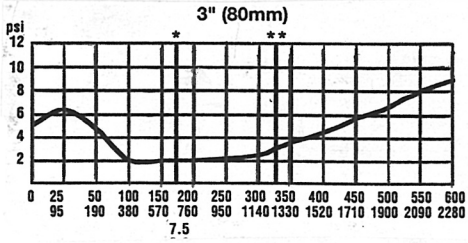
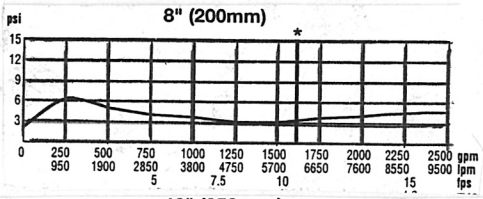
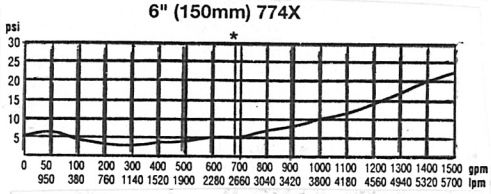
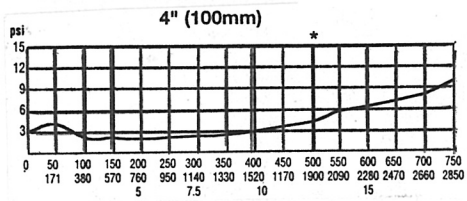
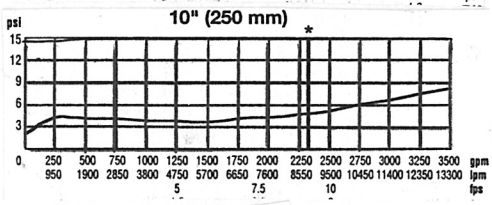
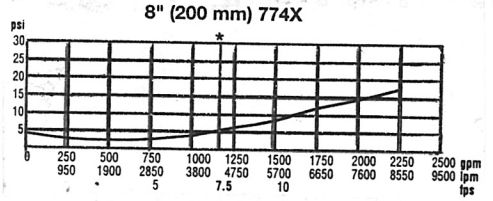


Item #	Description
1.	#1 Cam-Check
2.	#2 Cam-Check
3.	#1 Cam-Check O-ring
4.	#2 Cam-Check O-ring
5.	Cover Plate
6.	Ball Valve
7.	Groove Coupler
8.	Groove Coupler Gasket
9.	Ball Valve (Cover)



8” – 12” checks are modular and the check disc is replaceable



8 – 12”

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5.	Ball Valve
6.	Cover Plate
7.	Groove Coupler
8.	Washer, shutoff disk
9.	Groove Coupler Gasket