

WATTS 709 DDC

WATTS 709 DCDA

SIZE

3", 4", 6", 8", 10"

DESCRIPTION

This assembly is a double check detector assembly. Production began approximately in 1979. The model number was changed from DDC to the DCDA designation. The assembly utilizes the 709 design on the main valve and the bypass unit. In 1991 the bypass was changed to the 007M1 model. In 1993 the bypass was changed to the model 007M2. In 1998 the bypass was changed to the 1/2" 007. Be sure to look at the name plate of bypass assembly to be sure which one you have.

BASIC REPAIR KIT

Main line repair kit contains all discs, cover O-rings, and seat O-rings.

<u>SIZE</u>	<u>KIT NO</u>
3"	709-RT250
4"	709-RT400
6"	709-RT600
8"	709-RT800
10"	709-RT001

Bypass repair kit contains all disc holders and O-rings.

<u>SIZE</u>	<u>KIT NO</u>
3/4" 709	709-RT075
3/4" 007M1	007M1-RT075
3/4" 007M2	007M2-RT075
1/2" 007	007-RT050

IMPORTANT FEATURES

~Mainline assembly see Model 709

~Bypass assembly see either Model 709 3/4", 007M1 3/4", 007M2 3/4", or 1/2" 007

~Factory repair information enclosed



MATERIALS

Size 3" (suffix M2) and sizes 4" to 10" have epoxy coated cast iron body, bronze seat and disc holder; stainless steel trim and durable, tight-seating rubber check valve discs. Size 3" 709DDC or 909DDC has bronze body construction. All sizes furnished with bronze body ball valve test cocks. Furnished with outside stem and yoke (OS&Y) gate valves. No. 709DDC by-pass line unit consists of an approved No. 709 double check valve assembly and water meter. No. 909DDC by-pass line unit consists of an approved No. 909 reduced pressure zone backflow preventer and water meter.

OPTIONS: (Options can be combined)

Suffix:

- RW** - resilient wedge shut-off valves
- GPM** - furnished with gallons per minute meter.
- LF** - less gate valves (4" thru 10")

PRESSURE - TEMPERATURE

Sizes 3" through 10" are suitable for supply pressures up to 175 PSI and water temperatures to 110°F maximum.

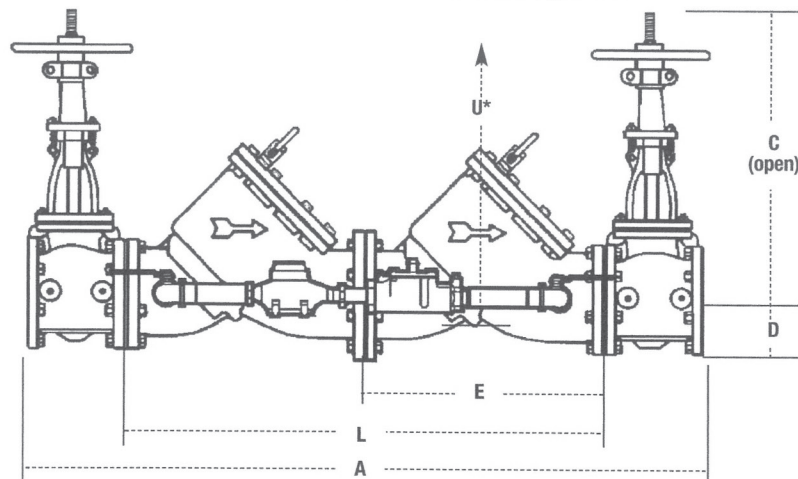
STANDARDS

Meets or exceeds the following standards for double check valve assemblies: A.S.S.E. Standard No. 1015 for 709DDC and No. 1013 for 909DDC.

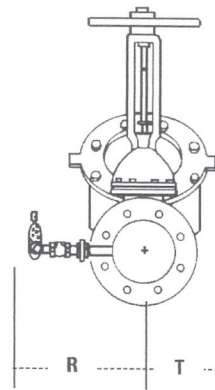
709DDC and 909DDC meet AWWA Standard C506; FCCHR of USC Manual Section 10. U.L. classified file No. EX3185 (sizes 3" thru 10") and are listed under CSA B.64 standard.



With OS&Y gate valves.

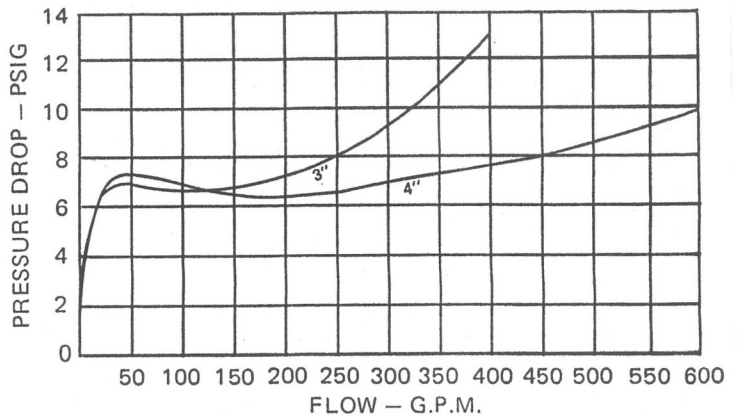


Above curves
As prepared by
University of Southern California

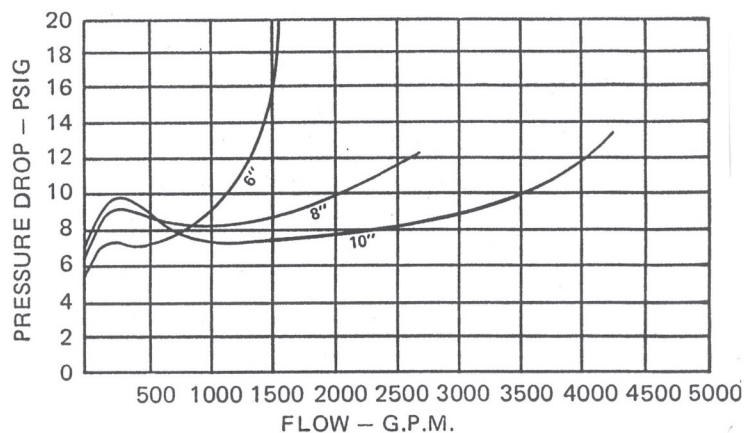


CAPACITY

No. 709 DDC Sizes 3" - 4"



No. 709 DDC Sizes 6", 8", 10"



SIZE (DN)				DIMENSIONS										WEIGHT					
		A		C		D		E		L		R		T		U*		W/OS† gates	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
3	80	40	1016	18 ⁷ / ₈	479	3 ¹ / ₂	89	12	305	24	610	14	356	3	76	14	356	190	86
4	100	52	1321	22 ³ / ₄	578	3 ³ / ₄	95	17	432	34	864	15	381	6	152	14	356	403	183
6	150	62 ¹ / ₂	1588	30 ¹ / ₈	765	4 ¹ / ₂	114	21	533	41 ¹ / ₂	1054	16	406	7 ¹ / ₂	191	16	406	727	330
8	200	75	1905	37 ³ / ₄	959	5 ¹ / ₂	140	26	660	52	1321	17	432	9	229	21	533	1327	602
10	250	90	2286	45 ³ / ₄	1162	6 ¹ / ₂	165	32	813	64	1626	18	457	10 ¹ / ₄	260	25	635	2093	949

* Service clearance for check assembly from center.

†UL/FM approved backflow preventers must include UL/FM approved OSY.