



Series 757DCDA, 757NDCDA

Double Check Detector Assemblies

Sizes: 2½" – 10" (65 – 250 mm)

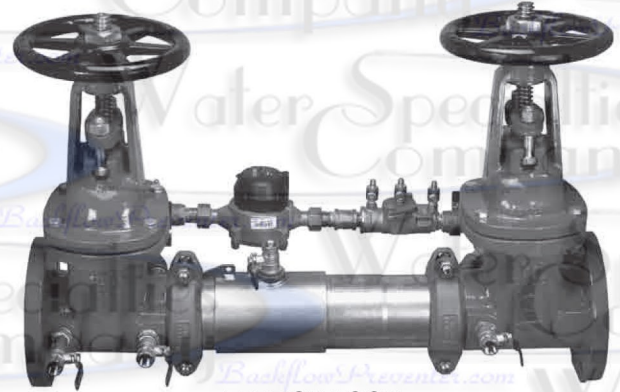
Series 757DCDA, 757NDCDA Double Check Detector Assemblies are used to prevent backflow of non-health hazard pollutants that are objectionable but not toxic, from entering the potable water supply system. The 757DCDA, 757NDCDA may be installed under continuous pressure service and may be subjected to backpressure and backsiphonage. Series 757DCDA, 757NDCDA is used primarily on fire line sprinkler systems when it is necessary to monitor unauthorized use of water.

Features

- Extremely compact design
- 70% Lighter than traditional designs
- 304 (Schedule 40) stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented tri-link spring check provides lowest pressure loss
- Unmatched ease of serviceability
- Available with grooved butterfly valve shutoffs
- May be used for horizontal, vertical or N pattern installations
- Replaceable check disc rubber

Specifications

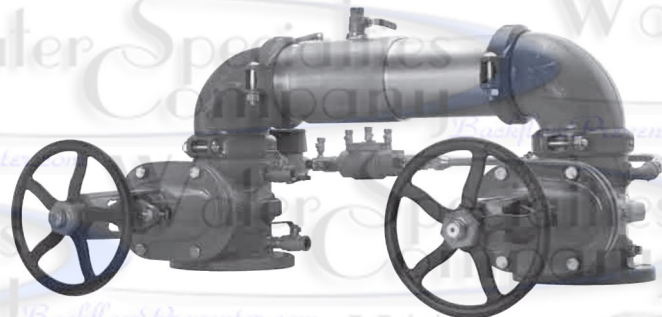
The Double Check Detector Assembly shall consist of two independent tri-link check modules within a single housing, sleeve access port, four test cocks and two drip tight shutoff valves. Tri-link checks shall be removable and serviceable, without the use of special tools. The housing shall be constructed of 304 Schedule 40 stainless steel pipe with groove end connections. Tri-link checks shall have reversible elastomer discs and in operation shall produce drip tight closure against reverse flow caused by backpressure or backsiphonage. The bypass assembly shall consist of a meter, which registers in either gallon or cubic measurement, a double check backflow assembly and required test cocks. Assembly shall be a Watts Regulator Company Series 757DCDA, 757NDCDA.



757DCDAOSY



757DCDABFG



757NDCDAOSY

Available Models

Suffix:

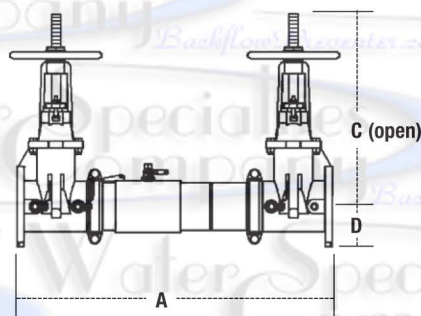
- OSY – UL/FM outside stem and yoke resilient seated gate valves
- BFG – UL/FM grooved gear operated butterfly valves with tamper switch
- *OSY FxG – Flanged inlet gate connection and grooved outlet gate connection
- *OSY GxF – Grooved inlet gate connection and flanged outlet gate connection
- *OSY GxG – Grooved inlet gate connection and grooved outlet gate connection

Available with grooved NRS gate valves - consult factory*

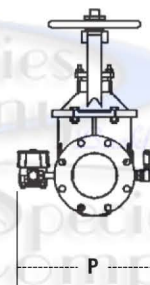
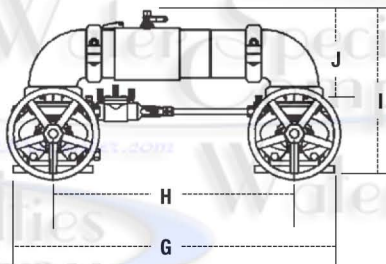
Post indicator plate and operating nut available - consult factory*

*Consult factory for dimensions

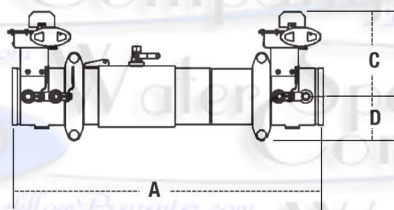
Dimensions — Weight



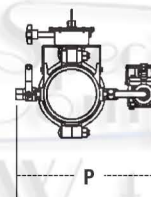
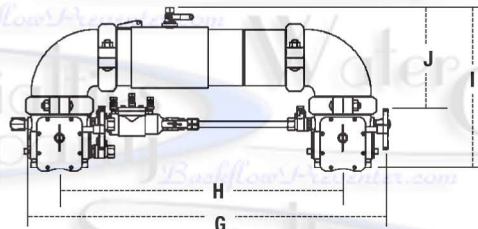
757DCDA, 757NDCDA



SIZE (DN)		DIMENSIONS				WEIGHT															
		A		C (OSY)		D		G		H		I		J		P		757DCDA		757NDCDA	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2½	65	30½	775	16¾	416	3½	89	29⅞	738	21½	546	15½	393	8⅞	223	13⅞	335	139	63	147	67
3	80	31¾	797	18⅞	479	3⅞	94	30¼	768	22¼	565	17⅞	435	9⅞	233	14½	368	159	72	172	78
4	100	33½	851	22¾	578	4	102	33	838	23½	597	18½	470	9⅞	252	15⅞	386	175	79	198	90
6	150	44	1118	30⅞	765	5½	140	44¾	1137	33¾	857	23⅞	589	13⅞	332	19	483	309	140	350	159
8	200	50	1270	37¾	959	6⅞	170	54⅞	1375	40⅞	1032	27⅞	697	15⅞	399	21⅞	538	494	224	569	258
10	250	56½	1435	45¾	1162	8⅞	208	66	1676	50	1270	32½	826	17⅞	440	24	610	795	361	965	438



757DCDABFG, 757NDCDABFG



SIZE (DN)		DIMENSIONS				WEIGHT															
		A		C		D		G		H		I		J		P		757DCDABFG		757NDCDA BFG	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2½	65	27½	698	8	203	3½	89	29⅞	759	21½	546	14 ¹⁵ / ₁₆	379	8 ¹³ / ₁₆	223	13	330	70	32	78	35
3	80	28	711	8 ⁵ / ₁₆	211	3 ¹¹ / ₁₆	94	30 ¹¹ / ₁₆	779	22¼	565	15 ¹ / ₁₆	392	9 ⁹ / ₁₆	233	13½	343	68	31	81	37
4	100	28¾	730	8 ¹⁵ / ₁₆	227	3 ¹ / ₁₆	94	31 ¹⁵ / ₁₆	811	23½	597	16¼	412	9 ¹⁵ / ₁₆	252	14	356	75	34	98	44
6	150	37	940	10	254	5	127	43 ³ / ₁₆	1097	33¾	857	19 ¹¹ / ₁₆	500	13 ¹ / ₁₆	332	14½	368	131	59	171	78
8	200	43½	1105	12¼	311	6½	165	51 ¹ / ₁₆	1297	40⅝	1032	23 ⁵ / ₁₆	592	15 ¹¹ / ₁₆	399	18¾	462	275	125	351	159

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Materials

- Housing & Sleeve: 304 (Schedule 40) Stainless Steel
- Elastomers: EPDM, Silicone and Buna-N
- Tri-link Checks: Noryl®, Stainless Steel
- Check Discs: Reversible Silicone or EPDM
- Test Cocks: Bronze Body Nickel Plated
- Pins & Fasteners: 300 Series Stainless Steel
- Springs: Stainless Steel

Pressure — Temperature

Temperature Range: 33°F – 140°F (0.5°C – 60°C)

Maximum Working Pressure: 175psi (12.1 bar)

Approvals

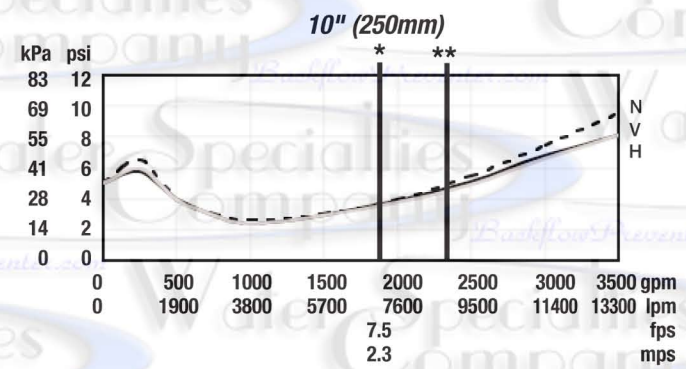
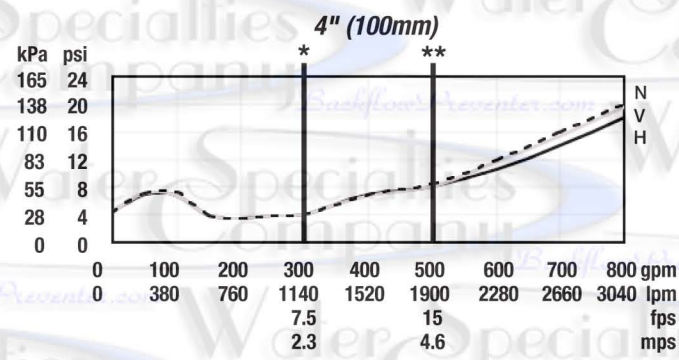
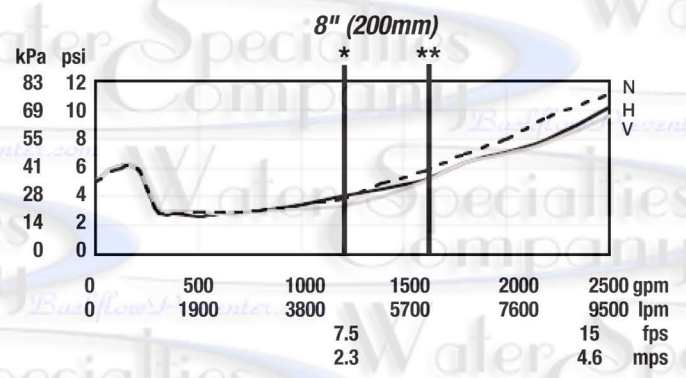
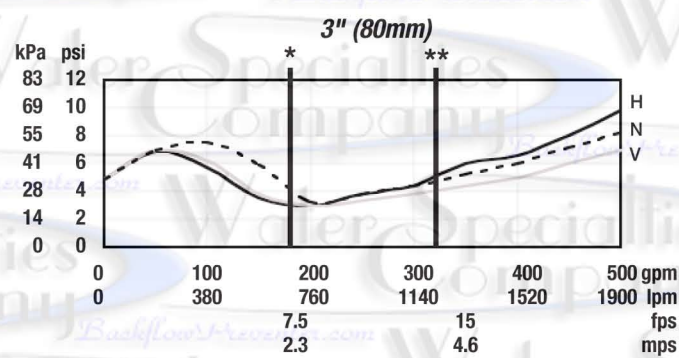
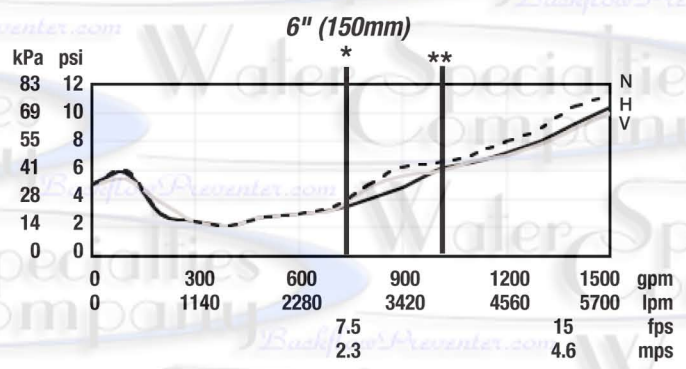
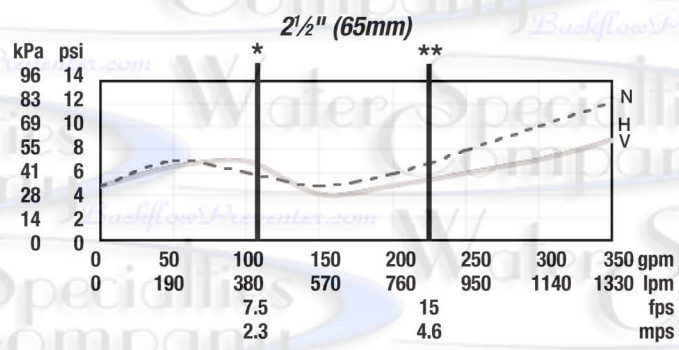


Capacity

Series 757DCDA, 757NDCDA flow curves as tested by Underwriters Laboratory per UL 1469, 1996.
Flow characteristics collected using butterfly shutoff valves

* = Rated flow ** = UL Rated flow

— Horizontal — Vertical - - - - - N - Pattern



A Watts Water Technologies Company



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