

## For Non-Health Hazard Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series 757DCDA, 757NDCDA

## Double Check Detector Assemblies

Sizes: 2½" – 10" (65 – 250 mm)

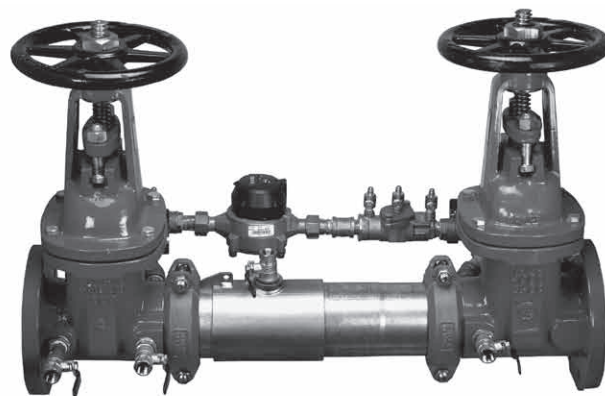
Series 757DCDA, 757NDCDA Double Check Detector Assemblies are used to prevent backflow of non-health hazard pollutants that are objectionable but not toxic, from entering the potable water supply system. The 757DCDA, 757NDCDA may be installed under continuous pressure service and may be subjected to 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

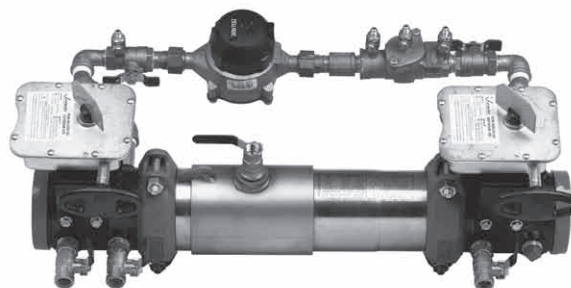
- Extremely compact design
- 70% Lighter than traditional designs
- 304 (Schedule 40) stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented tri-link spring check provides lowest pressure loss
- Unmatched ease of serviceability
- Available with grooved butterfly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

### Specifications

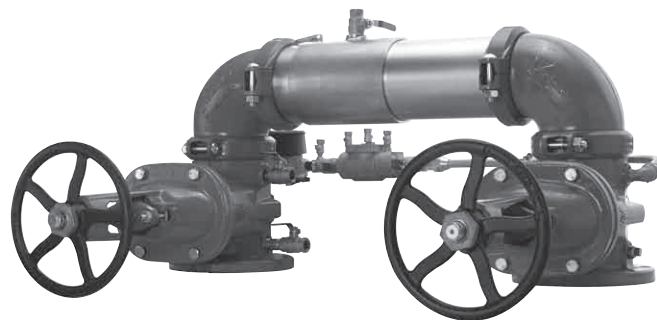
The Double Check Detector Assembly shall consist of two independent tri-link check modules within a single housing, sleeve access port, four test cocks and two drip tight shutoff valves. Tri-link checks shall be removable and serviceable, without the use of special tools. The housing shall be constructed 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:

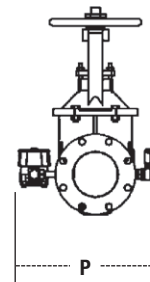
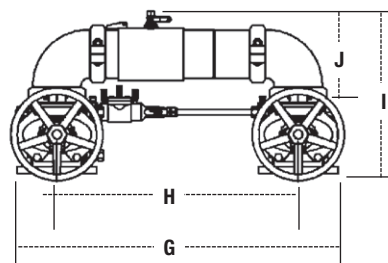
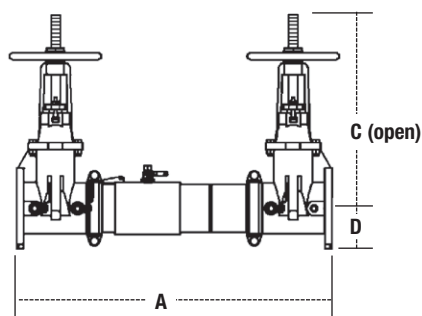
- OSY – UL/FM outside stem and yoke resilient seated gate valves
- BFG – UL/FM grooved gear operated butterfly valves with tamper switch
- \*OSY FxG – Flanged inlet gate connection and grooved outlet gate connection
- \*OSY GxF – Grooved inlet gate connection and flanged outlet gate connection
- \*OSY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

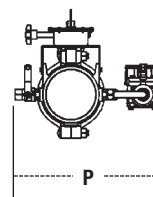
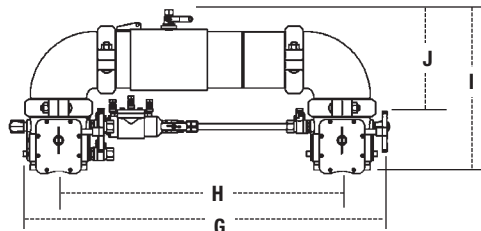
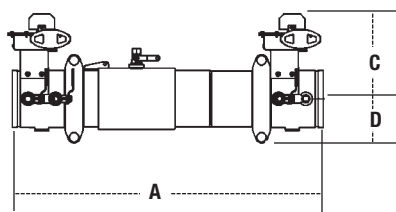
\*Consult factory for dimensions

## Dimensions — Weight



### 757DCDA, 757NDCDA

SIZE (DN)		DIMENSIONS				WEIGHT															
		A		C (OSY)		D		G		H		I		J		P		757DCDA		757NDCDA	
<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs.</i>	<i>lbs.</i>	<i>kgs.</i>
2½	65	31	787	16⅞	416	3½	89	29⅞	738	22	559	15½	393	8⅜	223	13⅜	335	139	63	147	67
3	80	31⅞	805	18⅞	479	3⅞	94	30¼	768	22¾	578	17⅞	435	9⅞	233	14½	368	159	72	172	78
4	100	33⅞	856	22¼	578	4	102	33	838	24	610	18½	470	9⅞	252	15⅞	386	175	79	198	90
6	150	43½	1105	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	57½	1460	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	28	711	8	203	3½	89	29⅞	759	22	559	14 <sup>15</sup> ⁄ <sub>16</sub>	379	8 <sup>13</sup> ⁄ <sub>16</sub>	223	13	330	70	32	78	35
3	80	28½	724	8 <sup>5</sup> ⁄ <sub>16</sub>	211	3 <sup>11</sup> ⁄ <sub>16</sub>	94	30 <sup>1</sup> ⁄ <sub>16</sub>	779	22¾	578	15 <sup>7</sup> ⁄ <sub>16</sub>	392	9 <sup>9</sup> ⁄ <sub>16</sub>	233	13½	343	68	31	81	37
4	100	29 <sup>3</sup> ⁄ <sub>16</sub>	741	8 <sup>15</sup> ⁄ <sub>16</sub>	227	3 <sup>11</sup> ⁄ <sub>16</sub>	94	31 <sup>15</sup> ⁄ <sub>16</sub>	811	24	610	16¼	412	9 <sup>9</sup> ⁄ <sub>16</sub>	252	14	356	75	34	98	44
6	150	36½	927	10	254	5	127	43 <sup>3</sup> ⁄ <sub>16</sub>	1097	33¾	857	19 <sup>11</sup> ⁄ <sub>16</sub>	500	13 <sup>1</sup> ⁄ <sub>16</sub>	332	14½	368	131	59	171	78
8	200	43	1092	12¼	311	6½	165	51 <sup>1</sup> ⁄ <sub>16</sub>	1297	40 <sup>5</sup> ⁄ <sub>16</sub>	1032	23 <sup>3</sup> ⁄ <sub>16</sub>	592	15 <sup>11</sup> ⁄ <sub>16</sub>	399	18 <sup>3</sup> ⁄ <sub>16</sub>	462	275	125	351	159

Noryl® is a registered trademark of General Electric Company.

## 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

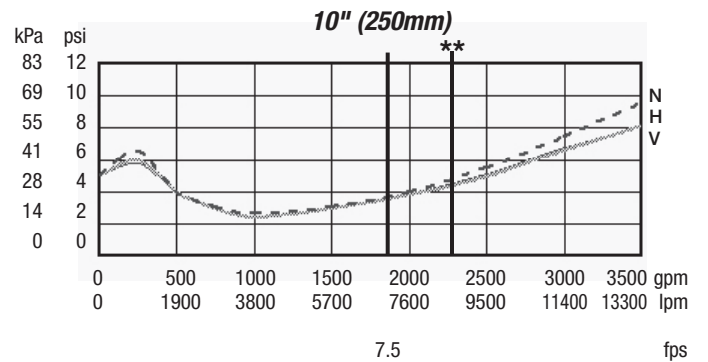
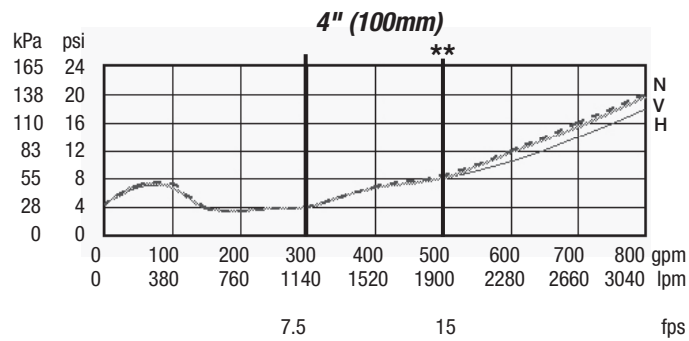
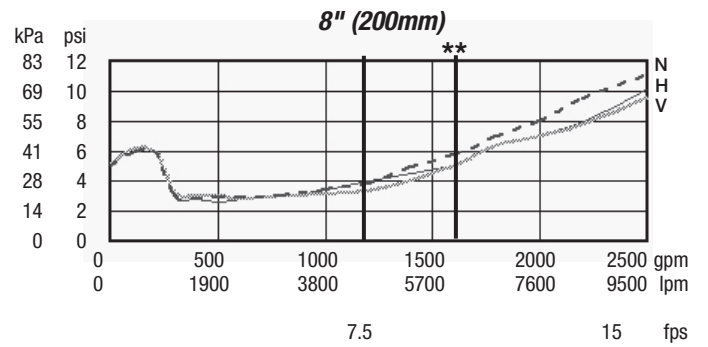
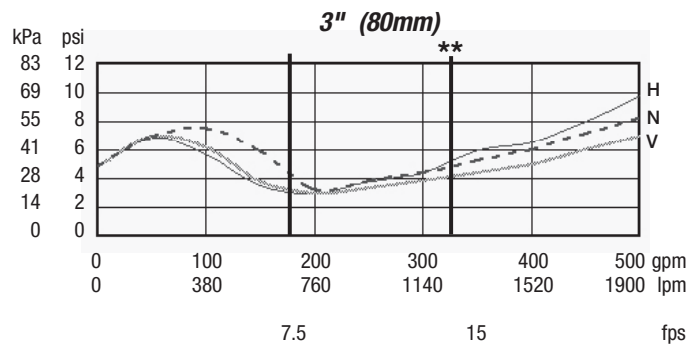
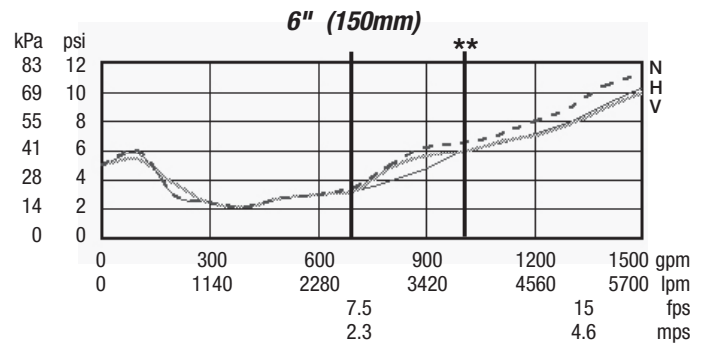
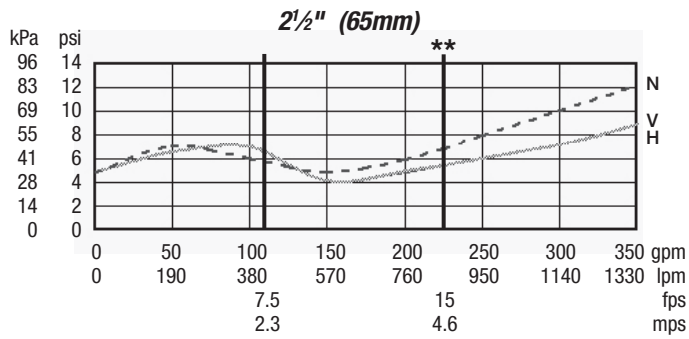


## Capacity

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



For additional information, visit our web site at: [www.watts.com](http://www.watts.com)



*A Watts Water Technologies Company*

ES-757DCDA/757NDCDA 1006



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