

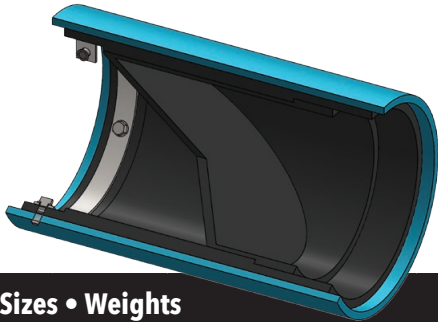
# PROCO STYLE 790

## ProFlex™ Low Headloss In-Line Rubber Check Valves



The **ProFlex™ 790** Low Headloss In-line Rubber Duckbill Check Valve design allows for a passive flow and allows the valve to be installed without having to do any modifications to existing structures or costly pre-install planning. The unique fold away design of the inner sleeve also allows for a near full port flow, allowing for quick drainage.

The **ProFlex™ 790** Low Headloss In-line Rubber Duckbill Check Valve is the valve of choice for municipalities, airport runway runoffs, railway washouts, highway flood damage prevention and odor control. The 790's unique design provides rapid dispersion of head pressures and with its low cracking pressure, it prevents upstream flooding.



The **ProFlex™ 790** Low Headloss In-line Rubber Duckbill Check Valve's ZERO backflow design, make it the perfect fit for:

- **Combined Sewer Overflows (CSO'S):**

A combined sewer is a sewage collection system of pipe and tunnels designed to also collect surface runoff. Combined sewers can cause serious water pollution problems during combined sewer overflow (CSO) events when wet weather flows exceed the sewage treatment plant capacity.

- **Sanitary Sewer Overflow:**

A condition in which untreated sewage is discharged from a sanitary sewer into the environment prior to reaching sewage treatment facilities.

- **Outfalls:**

An outfall is the discharge point of a waste stream into a body of water; alternatively, it may be the outlet of a river, drain or a sewer where it discharges into a body of water.

**Table 9: Sizes • Weights**

NOMINAL 1 PIPE SIZE Valve I.D. Inch / (mm)	Internal Clamp(s) #/Valve Segment	Standard Dimensions/Ratings for PROCO Style 790			WEIGHT 2 lbs / (kgs)	
		Cuff Width Inch / (mm)	Length Inch / (mm)	Backpressure Feet / (m)		
3	(80)	1 1	2.00 (38)	8 (204)	40 (12)	5 (2.27)
4	(100)	1 1	2.00 (38)	9 (229)	40 (12)	5 (2.27)
6	(150)	1 1	3.00 (51)	12 (305)	40 (12)	8 (3.63)
8	(200)	1 1	3.00 (51)	14 (356)	40 (12)	14 (6.36)
10	(250)	1 1	3.00 (51)	16 (407)	40 (12)	18 (8.17)
12	(300)	1 1	3.00 (51)	20 (508)	40 (12)	35 (15.88)
14	(350)	1 1	5.00 (102)	26 (661)	20 (6)	75 (34.02)
16	(400)	1 1	5.00 (102)	29 (737)	20 (6)	115 (52.17)
18	(450)	1 1	5.00 (102)	31 (788)	20 (6)	137 (62.15)
20	(500)	2 2	8.00 (203)	43 (1093)	20 (6)	210 (95.26)
24	(600)	2 2	8.00 (203)	48 (1220)	20 (6)	300 (136.08)
30	(750)	2 2	8.00 (203)	55 (1397)	20 (6)	476 (215.92)
36	(900)	2 2	8.00 (203)	63 (1601)	20 (6)	785 (356.08)
42	(1050)	2 2	8.00 (203)	71 (1804)	15 (5)	1350 (612.36)
48	(1200)	2 3	8.00 (203)	80 (2032)	15 (5)	1725 (782.46)
54	(1350)	2 3	8.00 (203)	87 (2210)	15 (5)	2500 (1134.00)
60	(1500)	2 3	12.00 (305)	103 (2617)	15 (5)	3225 (1462.86)
72	(1800)	3 3	12.00 (305)	127 (3226)	12 (4)	6650 (3016.43)

Notes: Dimensions are approximate and may change due to pipe dimension changes, inlet, back pressures and flow rates.

1. Larger sizes available upon request.

2. Weights are approximate.

