

# PROCO STYLES 711/731

## Flanged/Slip-On Slope Bottom Check Valves



The Proco Style 711/731 ProFlex™ check valves are engineered for installation on pre-existing pipe lines such as manholes, outfalls, vaults, where the outfall invert of the pipe is close to the floor of the manhole or outfall. When a new installation is being designed, the 711/731 valves can be engineered into the pipe layout with little concern for outfall clearance due to its "low slope" design.

The new Style 711/731 check valves allow the valves to be installed without any costly and labor intensive changes to the existing structure. The 711/731 is engineered to crack open at 1-2" of head pressure and with its unique engineered sloping bottom, the valve ensures zero potential for standing water. With its all elastomer design, the valve can be installed without concern for the future seizing or rusting which can cause premature failure and maintenance issues.

### How Does it Work?

The advantage to the Style 711/731 is the sloping bottom which has been developed to offset the issues commonly affiliated with other flat bottom valves which often entrap solids and flows due to its design. The 711/731 has been carefully designed to prevent this issue and has a minimal slope which allows complete drainage yet still ensures easy installs on minimal clearance areas.

The Style 711/731 has been engineered to provide a full port which is important in dealing with headloss and jet velocities. The valve is manufactured with 100% algae and barnacle resistant rubber and is also 100% fire resistant.

### Advantages:

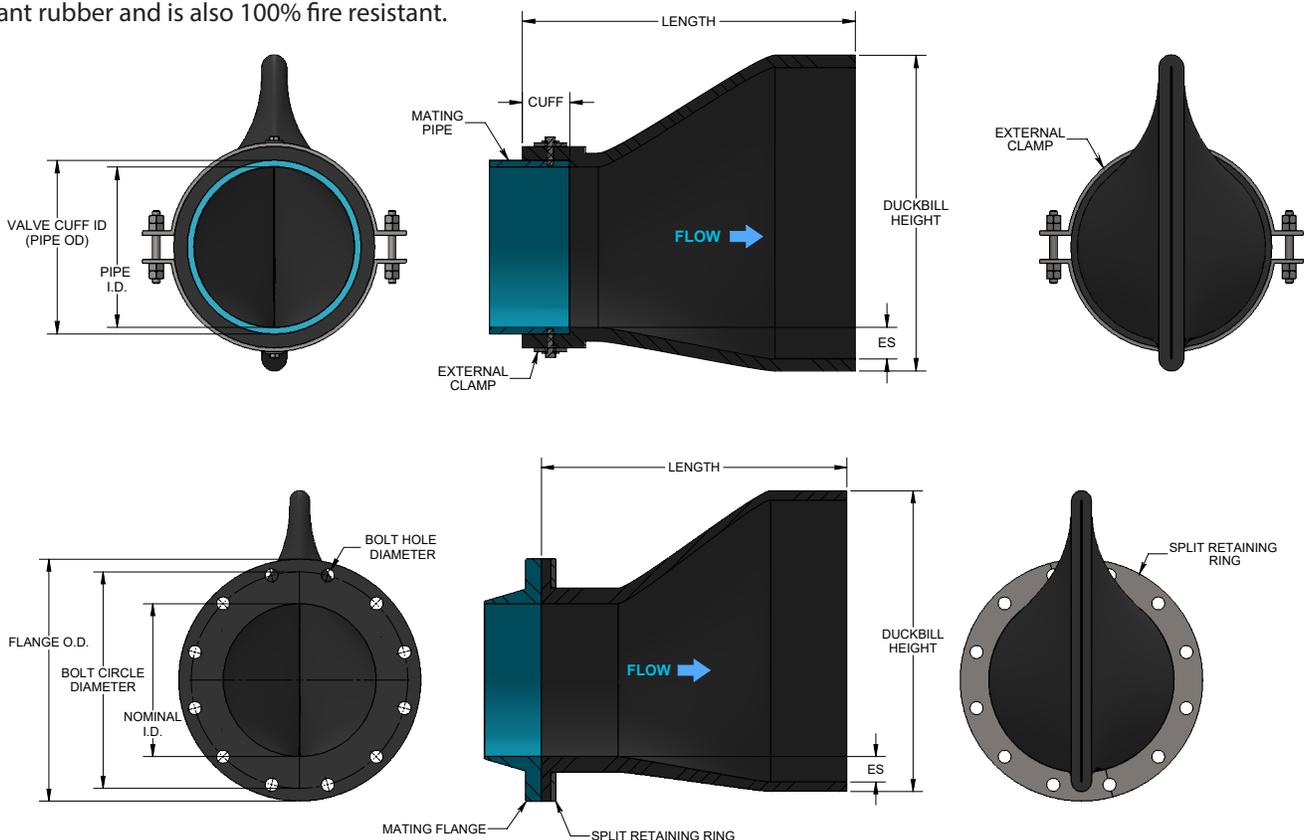
- Unique bottom slope design ensures 100% drainage
- Installs in flat outfall designs
- Available in both flanged and slip-on design
- An excellent choice for manholes and outfall installation
- Ensures sealing from rubbish and small solids

### Materials of Construction

Neoprene, ANSI/NSF-61 certified product elastomers, EPDM and other elastomers available. Other materials also available. Please contact Proco.

### Mounting Clamps or Retaining Rings

304 or 316 Stainless Steel



# Dimensional Data

Table X: Sizes - Flange Drilling - Weights										
Nominal Pipe Size in./ (mm)		Style	Standard Dimensions						Weight <sup>3</sup> lbs/(kgs)	
			Length	in./ (mm)	Duck Bill Height in./ (mm)		Eccentric Slope "ES" in./ (mm)			
12	(300)	711	24.0	(609)	23.6	(600)	2.0	(50)	53	(24)
		731	25.9	(659)					59	(26.8)
14	(350)	711	25.9	(659)	26.4	(670)	2.0	(50)	64	(29)
		731	29.9	(759)					76	(34.5)
16	(400)	711	27.9	(709)	29.9	(760)	2.0	(50)	93	(42.2)
		731	31.9	(809)					90	(40.8)
18	(450)	711	29.7	(754)	33.1	(840)	2.0	(50)	135	(61.2)
		731	33.6	(854)					130	(59)
20	(500)	711	31.7	(804)	36.2	(920)	2.0	(50)	155	(70.3)
		731	37.5	(952)					200	(90.7)
24	(600)	711	37.6	(955)	42.9	(1090)	2.0	(50)	235	(106.6)
		731	43.3	(1100)					215	(97.5)
30	(750)	711	45.7	(1160)	54.7	(1390)	3.0	(75)	565	(256.3)
		731	51.7	(1314)					460	(208.7)
36	(900)	711	52.8	(1340)	65.7	(1670)	3.0	(75)	725	(328.9)
		731	59.4	(1510)					585	(265.4)
42	(1050)	711	54.3	(1380)	70.1	(1780)	3.0	(75)	915	(415)
		731	61.0	(1550)					1075	(487.6)
48	(1200)	711	62.2	(1580)	80.7	(2050)	4.0	(100)	1035	(469.5)
		731	66.1	(1680)					1350	(612.3)
54	(1350)	711	65.0	(1650)	86.6	(2200)	4.0	(100)	1165	(528.4)
		731	68.9	(1750)					1630	(739.4)
60	(1500)	711	66.9	(1700)	94.5	(2400)	4.0	(100)	1255	(569.3)
		731	73.0	(1855)					1715	(777.9)
72	(1800)	711	76.8	(1950)	114.2	(2900)	4.0	(100)	1590	(721.2)
		731	82.9	(2105)					1900	(861.8)

Notes:

1. Style 711 available drilled to required flange specifications (ANSI 150, ANSI 300, DIN PN10, DIN PN16, Custom Flange Specification)
2. Style 731 available in various size Cuff ID's to meet required pipe OD's
3. Weights listed are approximate

Additional sizes are available. Please contact Proco Products, Inc. for more information.



2431 N. Wigwam Drive  
 Stockton, CA 95205  
 Toll-Free: (800) 344-3246  
 Phone: (209) 943-6088  
 Facsimilie: (209) 943-0242  
 Website: www.procoproducts.com