CHECK VALVE
PROFLEX™ 711
Duckbill Flanged Slope Bottom

KLINGER Portugal

The Proco Style 711 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 valves can be engineered into the pipe layout with little concern for outfall clearance due to its "low slope" design.

The new Style 711 check valves allow the valves to be installed without any costly and labor intensive changes to the existing structure. The 711 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 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 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 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 KLINGER.

Mounting Clamps or Retaining Rings

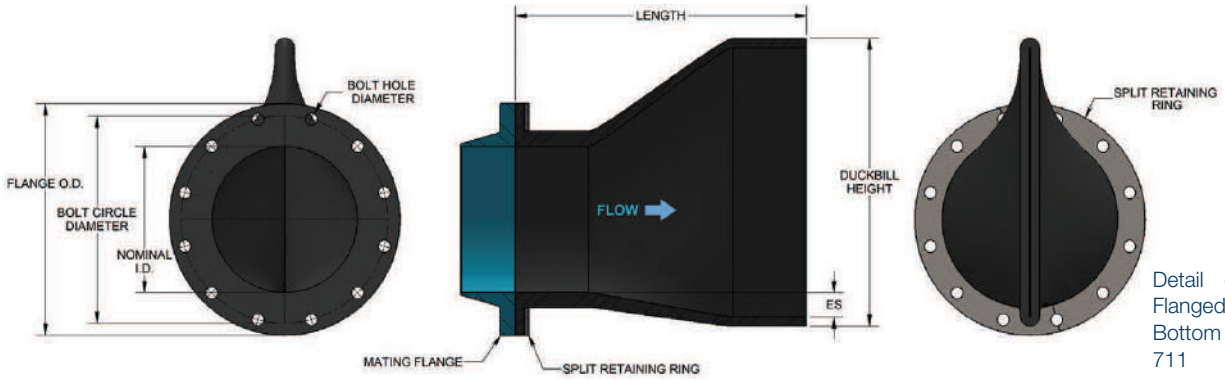
304 or 316 Stainless Steel

The ProFlex™ Slope-Bottom Style 711 & 731 Check Valves are covered by US PATENT NUMBER 11,221,081

SIZES • DIMENSIONS • WEIGHTS

NOMINAL[1] PIPE SIZE Inch / mm		STANDARD DIMENSIONS						WEIGHT[3] (kgs)
		Length Inch / mm		Duckbill Height Inch / mm		Eccentric Slope "ES" Inch / mm		
4	100	10.9	279	8.8	224	1.0	25	6.8
6	150	17.9	454	14.8	375	2.0	50	10.43
8	200	19.8	504	17.7	450	2.0	50	16.33
10	250	21.8	554	20.5	520	2.0	50	23.59
12	300	24.0	609	23.6	600	2.0	50	24
14	350	25.9	659	26.4	670	2.0	50	29
16	400	27.9	709	29.9	760	2.0	50	42.2
18	450	29.7	754	33.1	840	2.0	50	61.2
20	500	31.7	804	36.2	920	2.0	50	70.3
24	600	37.6	955	42.9	1090	2.0	50	106.6
30	750	45.7	1160	54.7	1390	3.0	75	256.3
36	900	52.8	1340	65.7	1670	3.0	75	328.9
42	1050	54.3	1380	70.1	1780	3.0	75	415
48	1200	62.2	1580	80.7	2050	4.0	100	469.5
54	1350	65.0	1650	86.6	2200	4.0	100	528.4
60	1500	66.9	1700	94.5	2400	4.0	100	569.3
72	1800	76.8	1950	114.2	2900	4.0	100	721.2

Notes: Higher back pressures can be provided by using internal vacuum supports and/or engineered Hi-Tensile reinforcement, contact KLINGER Portugal.
1. Dimensions are approximate and may change due to pipe dimension changes, inlet, back pressures and flow rates.
2.Larger sizes available upon request.
3. Weights are approximate.



Detail of the ProFlex™ Flanged/ Slip-On Slope Bottom Check Valve; Style 711

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