CHECK VALVE
PROFLEX™ 731
Duckbill Slip-On Slope Bottom

KLINGER Portugal

The Proco Style 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 731 valves can be engineered into the pipe layout with little concern for outfall clearance due to its “low slope” design.

The new Style 731 check valves allow the valves to be installed without any costly and labor intensive changes to the existing structure. The 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 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 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 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 contactKLINGER Portugal.

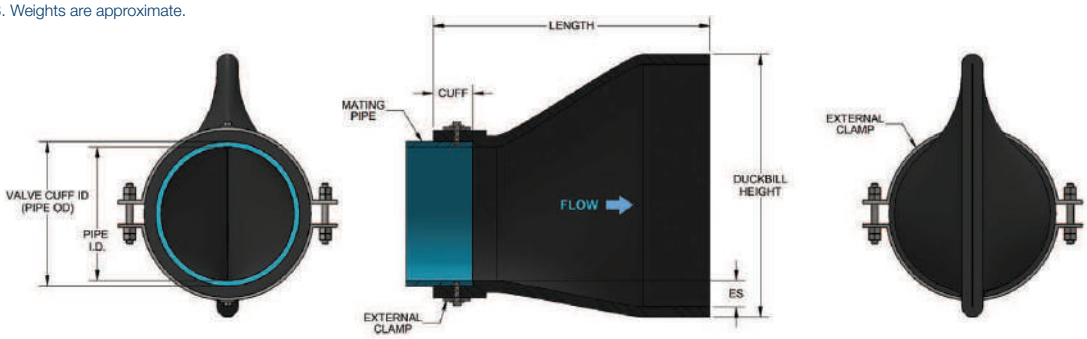
Mounting Clamps or Retaining Rings

304 or 316 Stainless Steel

SIZES • DIMENSIONS • WEIGHTS

NOMINAL PIPE SIZE inch/mm		STANDARD DIMENSIONS								Weight[2] (kgs)
		Cuff Width inch/mm		Length inch/ mm		Duckbill Height inch/mm		Eccentric Slope “ES” inch / mm		
4	100	3.00	76	12.8	326	8.8	224	1.0	25	6.80
6	150	4.00	102	17.9	454	14.8	375	2.0	50	10.43
8	200	4.00	102	19.8	504	17.7	450	2.0	50	16.33
10	250	4.00	102	21.8	554	20.5	520	2.0	50	23.59
12	300	6.00	152	27.9	709	23.6	600	2.0	50	26.8
14	350	6.00	152	29.9	759	26.4	670	2.0	50	34.5
16	400	6.00	152	31.9	809	29.9	760	2.0	50	40.8
18	450	6.00	152	33.6	854	33.1	840	2.0	50	59
20	500	8.00	203	37.5	952	36.2	920	2.0	50	90.7
24	600	8.00	203	43.3	1100	42.9	1090	2.0	50	97.5
30	750	10.00	254	51.7	1314	54.7	1390	3.0	76	208.7
36	900	10.00	254	59.4	1510	65.7	1670	3.0	76	265.4
42	1050	12.00	305	61.0	1550	70.1	1780	3.0	76	487.6
48	1200	12.00	305	68.1	1730	80.7	2050	3.9	100	612.3
54	1350	12.00	305	70.9	1800	86.6	2200	3.9	100	739.4
60	1500	12.00	305	75.0	1905	94.5	2400	3.9	100	777.9
72	1800	12.00	305	84.8	2155	114.2	2900	3.9	100	861.8

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 731

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