



# CHECK VALVE PROFLEX™ 710 Flanged Duckbill



The ProFlex™ 710 is a full port, concentric design Rubber Duckbill Check Valve. The ProFlex™ 710 Rubber Duckbill Check Valves can be supplied with many different flange drilling configurations, including square or rectangular flanges to suit problematic sluice gate or flap gate replacements.

The unique advantage to this valve is its very low 1" - 2" ( 25mm-50mm) cracking pressure and is often referred to as the lowest head loss valve in the industry.

All ProFlex™ 710 Rubber Duckbill Check Valves are supplied with 316ss retaining rings and can also be supplied with 304ss, Galvanized, Epoxy coated or FRP material if required.

The ProFlex™ 710 Rubber Duckbill Check Valves come standard with ANSI 125/150 flange drilling and can also be supplied with DIN, JIS, BS or AS flange patterns.

All ProFlex™ 710 Rubber Duckbill Check Valves are also available from inventory in a Standard Rated (SR) design up to 24in (600mm), and can also be custom manufactured to meet specific head and back pressures.

For higher pressure/vacuum requirements, the ProFlex™ 710 Rubber Duckbill Check Valves can also be manufactured using a unique Internal Vacuum Supports (IVS) design which is

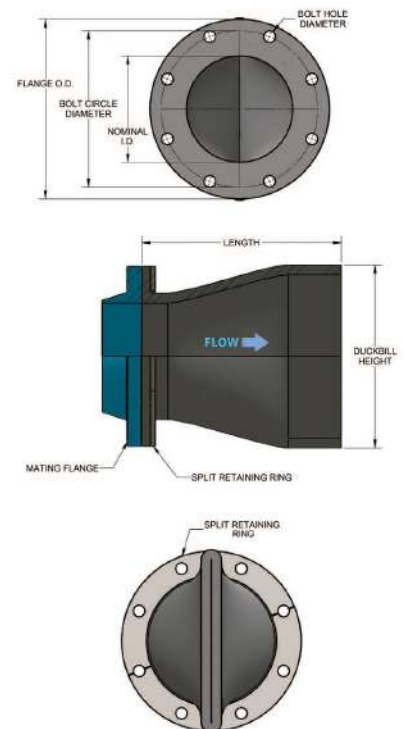


homogeneous to the inner reinforced layers of the valve allowing a full flow with no obstructions and yet providing excellent anti-inversion features.

Available Elastomers:

Neoprene (Barnacle and Algae Resistant), NSF/ANSI Standard 61, EPDM, Nitrile, Natural Rubber, CSM and Chlorobutyl.

SIZES • FLANGE DRILLING • WEIGHTS													
NOMINAL PIPE SIZE Inch / (mm)	STANDARD DIMENSIONS					STANDARD DRILLING						Weight (kgs)	
	Length inch/mm		Duckbill Height inch/ mm		Flange O.D inch/mm		Bolt Circle inch/mm		No. Holes	Size of Holes inch/mm			
1	25	6	130	2.60	66	4.25	108.0	3.13	79.4	4	0.625	15.9	0.91
1.5	40	7	153	3.20	82	5.00	127	3.88	98.4	4	0.625	15.9	1.14
2	50	7	168	3.90	98	6.00	152.4	4.75	120.7	4	0.750	19.1	2.27
2.5	65	8	188	5.10	130	7.00	177.8	5.50	139.7	4	0.750	19.1	2.73
3	80	9	216	5.50	140	7.50	190.5	6.00	152.4	4	0.750	19.1	3.63
4	100	11	262	7.40	187	9.00	228.6	7.50	190.5	8	0.750	19.1	4.99
5	125	12	293	9.40	240	10.00	254.0	8.50	215.9	8	0.875	22.2	5.90
6	150	13	326	10.50	267	11.00	279.4	9.50	241.3	8	0.875	22.2	7.72
8	200	15	380	13.70	349	13.50	342.9	11.75	298.5	8	0.875	22.2	12.25
10	250	18	455	17.30	440	16.00	406.4	14.25	362.0	12	1.000	25.4	18.15
12	300	21	517	20.50	520	19.00	482.6	17.00	431.8	12	1.000	25.4	24.05
14	350	24	600	24.20	615	21.00	533.4	18.75	476.3	12	1.150	28.6	29.04
16	400	25	617	27.60	700	23.50	596.9	21.25	539.8	16	1.150	28.6	42.19
18	450	27	676	31.10	790	25.00	635.0	22.75	577.9	16	1.250	31.8	49.44
20	500	30	742	32.30	720	27.50	698.5	25.00	635.0	20	1.250	31.8	61.24
24	600	39	966	38.60	980	32.00	812.8	29.50	749.3	20	1.375	34.9	70.31
28	700	42	1060	44.90	1140	36.50	927.1	34.00	863.6	28	1.375	34.9	106.60
30	750	44	1097	49.20	1250	38.75	984.3	36.00	914.4	28	1.375	34.9	190.52
32	800	45	1140	51.60	1310	41.75	1060.5	38.50	977.9	28	1.625	41.3	256.29
36	900	53	1337	59.40	1510	46.00	1168.4	42.75	1085.9	32	1.625	41.3	269.90
40	1000	54	1353	65.70	1670	50.75	1289.1	47.25	1200.2	36	1.625	41.3	328.86
42	1050	57	1428	67.30	1710	53.00	1346.2	49.50	1257.3	36	1.625	41.3	383.29
48	1200	64	1613	75.20	1910	59.50	1511.3	56.00	1422.4	44	1.625	41.3	415.05
54	1350	68	1726	83.10	2110	66.25	1682.8	62.75	1593.9	44	2.000	50.8	469.48
60	1500	74	1875	85.00	2160	73.00	1854.2	69.25	1759.0	52	2.000	50.8	569.27
72	1800	87	2197	111.40	2830	86.50	2197.1	82.50	2095.5	60	2.000	50.8	721.22



Detail of the ProFlex™ Flanged Rubber Check Valve; Style 710

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.

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