Series BFS

Flat Bottom Slip On Check Valve

The Berzico BFS model Flat Bottom Duckbill Check Valve slip on configuration is a great solution for back flow prevention in outfalls and manholes where there is minimum clearance on the ground. This model type also allows easy installation on new or old construction without the need of civil work such as breaking the concrete floor to provide bottom clearance. The valve is ideal for applications such as outfalls, manholes, vaults, interceptors, diversion chambers as well as applications where sand and or other type of debris tend to accumulate beneath the valve.

The Slip On Model Duckbill is installed directly on the end of the pipe by slipping the check valve on the outer diameter of the pipe and securing it with a clamp. Curved Bill feature is available upon request.

The selection of material of construction and hydraulic performance of the valve is based on the application requirements. The cracking pressure of the valve is approximately" two inches of water column above differential pressure, which gives minimal stagnant water within the pipe and great backflow prevention capabilities.

The development of the Berzico BFS duckbill valve is a variation of over 20 years of experience in elastomer design, valve engineering, and manufacturing and this was due to the feedback from customers on a day-to-day challenges using existing valves on the market. Due to this development, we achieved a greater performance life expectancy valve exceeding any common valves such as flap gates.

MADE IN USA

Materials of Construction

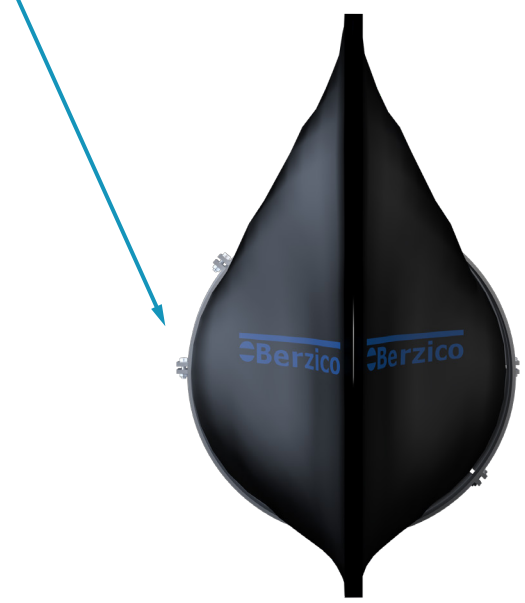
Elastomer

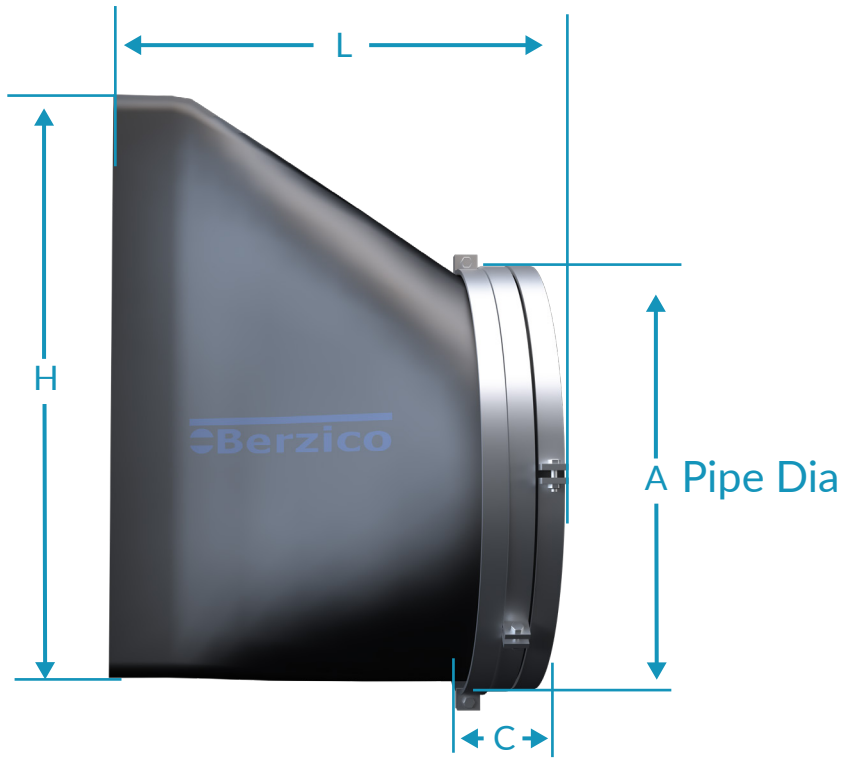
- Neoprene (standard)
- EPDM (optional)
- Other materials on request

Note: Berzico uses NSF-61 certified product elastomer.

Back Up Ring:

- 304 Stainless Steel (standard)
- 316 Stainless Steel (optional)
- Other materials upon request.





Pipe Dia A (inch)	Dimensions (inch)		
	Maximum Length L	Bill Height H	Cuff Length C
4	11	8	1.5
5	11	8	1.5
6	16	12	2
8	18	16	2
10	23	19	3
12	29	23	4.25
14	28	27	4
16	36	30	5
18	38	34	6
20	45	37	8.5
22	45	37	8.5

Pipe Dia A (inch)	Dimensions (inch)		
	Maximum Length L	Bill Height H	Cuff Length C
24	49	44	8
26	49	44	8
28	49	44	8
30	57	56	9
32	61	60	10
36	67	70	11
38	67	70	11
40	67	70	11
42	66	74	10
44	66	74	10
48	71	81	10

*Contact factory for larger diameters

Optional Curved Bill Feature