

## Tideflex® Series TF-2 Duckbill Check Valve



- 100% elastomer design
- Will not rust or corrode
- Does not warp or freeze open or shut
- Custom built to customer specifications
- Low cracking pressure and low head loss
- Eliminates backflow

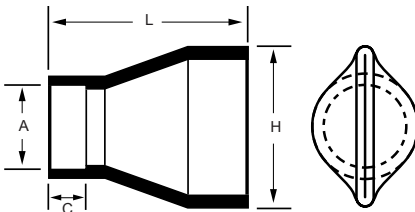
The Tideflex® Series TF-2 Duckbill Check Valve is an excellent replacement for metal flapgate valves. TF-2 Check Valves close around debris with less than 1 psi of backpressure.

The TF-2 Check Valve has very low head loss and offers low cracking pressure to eliminate standing water. An all-elastomer fabrication means the valve will not warp or freeze and is not affected by rust, corrosion or lack of lubrication. The TF-2 requires virtually no maintenance and provides a long operational lifespan.

TF-2 Check Valves operate using line pressure and backpressure to open and close without an additional energy source. Sliding, rotating, swinging and plunging parts are completely eliminated. The inside diameter of the TF-2 cuff is constructed to exactly match the outside diameter of the pipe. The valve slides onto the pipe and is held in place with specially designed clamps. Contact Red Valve for Series TF-2 backpressure ratings.

### Materials of Construction

- **Elastomers:** Natural Rubber (NR), Ethylene Propylene Diene Terpolymer (EPDM)\*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM), Chloroprene (CR), Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR)
- \*EPDM is NSF/ANSI 61 Certified
- **Mounting Clamps:** 316 Stainless Steel, special alloys available



### Series TF-2

PIPE O.D. A	DIMENSIONS in/mm		
	LENGTH L	BILL HEIGHT H	CUFF LENGTH C
0.5" 15mm	3.00 76	1.5 38	0.50 13
0.75" 20mm	3.00 76	2.00 51	1.00 25
1" 25mm	4.00 102	2.00 51	1.00 25
1.5" 40mm	7.00 178	4.00 102	1.00 25
2" 50mm	6.00 152	4.00 102	1.00 25
2.5" 65mm	8.00 203	5.00 127	1.00 25
3" 80mm	9.00 229	6.00 152	1.50 38
4" 100mm	12.00 305	7.00 178	1.50 38
5" 125mm	16.00 406	9.00 229	2.00 51
6" 150mm	16.00 406	11.00 279	2.00 51
8" 200mm	17.00 432	13.00 330	2.00 51
10" 250mm	23.00 584	17.00 432	3.00 76
12" 300mm	27.00 686	21.00 533	4.00 102
14" 350mm	26.00 660	22.00 559	4.00 102
16" 400mm	28.00 711	27.00 686	5.00 127
18" 450mm	30.00 762	27.00 686	6.00 152
20" 500mm	34.00 864	33.00 838	8.50 216
22" 550mm	38.00 965	33.00 838	8.00 203

PIPE O.D. A	DIMENSIONS in/mm		
	LENGTH L	BILL HEIGHT H	CUFF LENGTH C
24" 600mm	42.00 1067	39.00 991	8.00 203
26" 650mm	42.00 1067	39.00 991	8.00 203
28" 700mm	42.00 1067	39.00 991	8.00 203
30" 750mm	45.00 1143	50.00 1270	9.00 229
32" 800mm	46.00 1168	53.00 1346	10.00 254
36" 900mm	50.00 1270	61.00 1549	10.00 254
38" 950mm	50.00 1270	61.00 1549	10.00 254
40" 1000mm	50.00 1270	61.00 1549	10.00 254
42" 1050mm	55.00 1397	71.00 1803	10.00 254
44" 1100mm	55.00 1397	71.00 1803	10.00 254
48" 1200mm	60.00 1524	78.00 1981	12.00 305
50" 1250mm	60.00 1524	78.00 1981	12.00 305
54" 1350mm	72.00 1829	97.00 2464	12.00 305
58" 1450mm	72.00 1829	97.00 2464	12.00 305
60" 1500mm	75.00 1905	97.00 2464	15.00 381
68" 1700mm	75.00 1905	97.00 2464	15.00 381
72" 1800mm	95.00 2413	115.00 2921	17.00 432
84" 2100mm	92.00 2337	111.00 2819	18.00 457
90" 2250mm	102.00 2591	119.00 3023	17.00 432
92" 2300mm	102.00 2591	119.00 3023	17.00 432
96" 2400mm	102.00 2591	119.00 3023	17.00 432