

# CTF - 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

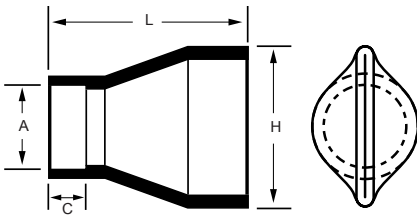
The Tideflex® Series TF-2 Duckbill Check Valve is an excellent replacement for metal flapgate valves. TF-2 Check Valves close around debris with less than 1 psi of backpressure.

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), NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 certified EPDM
- **Mounting Clamps:** 316 Stainless Steel, special alloys available



## Series TF-2

DIMENSIONS in/mm			
PIPE O.D. A	MAXIMUM LENGTH L	BILL HEIGHT H	CUFF LENGTH C
0.5" 15mm	3.00 76	2.00 51	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	0.75 19
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	1.75 44
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	22.00 559	17.00 432	3.00 76
12" 300mm	26.00 660	20.00 508	4.00 102
14" 350mm	26.00 660	22.00 559	4.00 102
16" 400mm	29.00 737	27.00 686	4.50 114
18" 450mm	32.00 813	27.00 686	6.00 152
20" 500mm	35.00 889	33.00 838	8.50 216
22" 550mm	39.00 991	33.00 838	8.00 203

DIMENSIONS in/mm			
PIPE O.D. A	MAXIMUM LENGTH L	BILL HEIGHT H	CUFF LENGTH C
24" 600mm	43.00 1092	40.00 1016	8.00 203
26" 650mm	43.00 1092	40.00 1016	8.00 203
28" 700mm	43.00 1092	40.00 1016	8.00 203
30" 750mm	46.00 1168	49.00 1245	9.00 229
32" 800mm	47.00 1194	54.00 1372	10.00 254
36" 900mm	49.00 1245	62.00 1575	10.25 260
38" 950mm	49.00 1245	62.00 1575	10.25 260
40" 1000mm	49.00 1245	62.00 1575	10.25 260
42" 1050mm	59.00 1499	74.00 1880	10.50 267
44" 1100mm	59.00 1499	74.00 1800	10.50 267
48" 1200mm	65.00 1651	81.00 2057	12.00 305
50" 1250mm	65.00 1651	81.00 2057	12.00 305
54" 1350mm	77.00 1956	100.00 2540	11.50 292
58" 1450mm	77.00 1956	100.00 2540	11.50 292
60" 1500mm	81.00 2057	101.00 2565	15.00 381
68" 1700mm	81.00 2057	101.00 2565	15.00 381
72" 1800mm	112.00 2845	120.00 3048	17.00 432
84" 2100mm	108.00 2743	116.00 2946	18.00 457