

Tideflex® Molded Series TF-2 Duckbill Check Valve



- 100% molded elastomer construction
- Will not rust or corrode
- Does not warp or freeze open or shut
- Low cracking pressure and low head loss
- Eliminates backflow

The Tideflex® Molded TF-2 Check Valve is designed for backflow prevention. It offers low cracking pressure to eliminate standing water and has very low head loss. The Molded TF-2 is not affected by rust, corrosion or lack of lubrication. Molded TF-2 Check Valves are cost effective because they require virtually no maintenance or repairs and have a long operational life span. Molded TF-2 Check Valves operate using line pressure and backpressure to open and close with out an additional energy source. The Molded TF-2 is an excellent replacement for metal flapgate valves because they will not warp or freeze.

The inside diameter of a Molded 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 a stainless steel band clamp, which eliminates flanging costs.

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

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NOMINAL PIPE SIZE	DIMENSIONS in/mm				MAX. BACKPRESSURE psi/kPa
	PIPE O.D. A	LENGTH L	BILL HEIGHT H	CUFF LENGTH C	
0.75" 20mm	1.05 27	2.90 74	2.00 51	1.00 25	25 170
1.25" 32mm	1.70 43	5.90 150	3.70 94	1.00 25	25 170
1.5" 40mm	1.90 48	5.90 150	3.70 94	1.80 46	25 170
2" 50mm	2.38 60	5.90 150	3.70 94	1.00 25	25 170
3" 80mm	3.50 89	7.50 191	5.90 150	1.50 38	20 140
4" 100mm	4.50 114	10.00 254	7.00 178	2.00 51	15 100
6" 150mm	6.63 168	12.00 305	10.10 257	2.00 51	10 70

