

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

## Molded Series TF-2

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

