

Series TF-1

- Ideal for manhole installations
- Minimal bottom clearance required
- Lightweight, all-elastomer design
- Seals around small solids
- Available in slip-on or flanged design

Materials of Construction

Neoprene, Hypalon®, Buna-N, EPDM, Viton®.

Mounting Bands

304 or 316 Stainless steel.

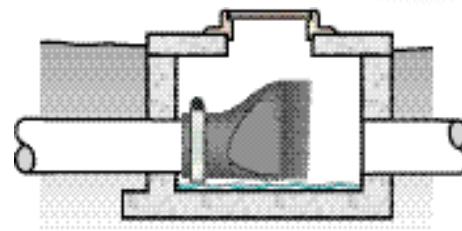
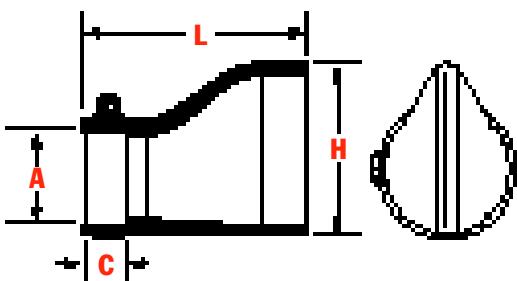
The TF-1 is designed for installation in existing structures such as interceptors, manholes and vaults where the invert of the pipe is close to the floor. The flat-bottom and offset-bill design of the TF-1 allows it to be installed without any modifications to the structure.

The TF-1 offers low cracking pressure to reduce the potential for standing water and very low headloss which is not affected by rust, corrosion or lack of lubrication.

The TF-1 is ideal for sewer systems because it will seal around small debris.

The TF-1 design is available with a slip-on or flanged pipe connection.

Tideflex® TF-1 valves are constructed with a curved bill as standard.

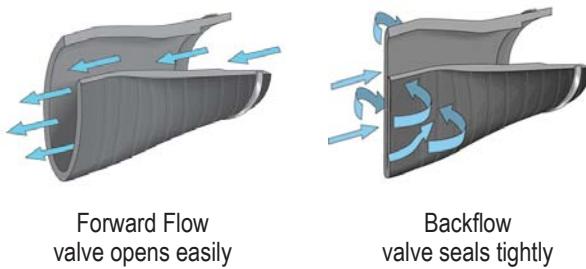


Pipe O.D. (A)	Length (L)	Bill Height (H)	Cuff Length (C)
4	10	8	1 1/2
5	10	8	1 1/2
6	16	12	2
8	18	16	2
10	23	19	3
12	27	23	4
14	27	23	4
16	35	30	5
18	36	34	6
20	44	37	8
22	44	37	8
24	48	43	8
26	48	43	8
28	48	43	8
30	56	55	9
32	56	55	9
36	67	69	10
38	67	69	10
40	67	69	10
42	61	71	10
44	61	71	10
48	66	78	10
50	66	78	10
54	66	78	10
58	66	78	10
60	73	91	14
68	73	91	14
72	96	115	16

Numbers indicate maximum dimensions in inches.

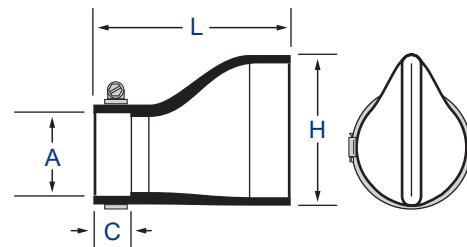
Tideflex® TF-1 Check Valve

- Lightweight, all-elastomer design
- Seals around entrapped solids
- Odour control
- Excellent drainage with low falls
- Minimum bottom clearance required
- Quiet - no slamming
- Ideal for manhole installations
- Self cleaning, low maintenance
- Working underwater or buried in sand
- Long operational life span



MATERIALS:

Body: Neoprene, Buna-N, Hypalon, EPDM, Viton,
Mounting bands / back-up rings: AISI 304.



OPERATION:

The Tideflex® TF-1 Check Valves eliminate potential backflow and are an excellent replacement for ineffective metal flap gate valves. Tideflex valves do not corrode, warp or freeze and are virtually maintenance free. They handle large obstructions without jamming, and there is no flap, gate or door to hang open or jam shut. Due to its nature, the valve collapses around any debris and seals off the backflow.

Tideflex DN450 (18") and larger are constructed with a 180° curved bill, which increases the sealing area and allows the valve to form a tighter seal area around solids. The more flexible curved tip allows even lower headloss.

The flat bottom and offset-bill design of the Tideflex valve allows it to be installed without any modifications to the structure of existing interceptors, manholes and chambers.

To eliminate standing water Tideflex valve offers low cracking pressure that is not affected by rust, corrosion or lack of lubrication.

For example, in tidal areas the duckbill lips collapses tighter and tighter as the tide height increases. The pressure forcing the lips together puts a squeeze effect on any solids build-up. The valve forms around the obstruction until enough runoff flexes the lips open and flushes the material out.

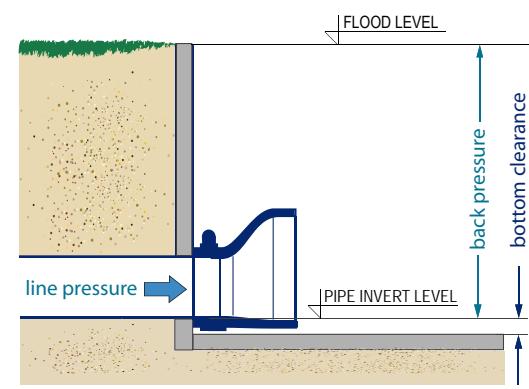
Valves permanently located underwater or buried in sand, silt or mud can still discharge flow.

Headloss charts request.
Please email us with information
about valve type and size.

LP - line pressure [m] (Vordruck)
BP - back pressure [m] (Rückstaudruck)
BC - bottom clearance [mm] (Bodenfreiheit)

Required bottom clearance for TF-1 Valve.

DN	150	200	300	400	450	500	600	700	800	1000	1200	1400	1600
BC [mm]	15	35	55	60	70	70	75	85	100	125	145	165	230



Die sechs Draufsichten unten stellen verschiedene Möglichkeiten der Anströmung auf der Auslaufseite des Ventils dar (nicht den Fluss durch das Ventil selbst).

Bitte bestimmen Sie die zutreffende Einbausituation und kreuzen Sie die passende Ansicht an. Ihre Angabe beeinflusst die werkseitige Rollrichtung der Dichtlippe.

Ansicht Nr:

- 1
- 2
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- 4
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- 6

