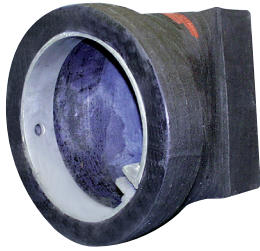


# Tideflex® Series 37G In-Line Check Valve



- Fits inside pipe I.D.
- Fastened with internal expansion clamp
- Custom-built to customer specifications
- Features all-elastomer, virtually maintenance-free design
- Closes on entrapped solids

The Tideflex® Series 37G In-Line Check Valve was developed specifically for installations where clearance below the invert of a pipe is insufficient to clear the flange of the standard Series 37. The 37G effectively has a zero face-to-face dimension since it can be completely slipped into an existing pipe. Piping modifications are not required to provide space for the valve.

The Series 37G design uses the slip-on principle in reverse. A special clamp that expands outward is provided to secure the valve to the inside of a pipe, enabling the valve to be installed easily on the outlet pipe from a manhole, such as in a CSO system. The pressure drop (head loss) of the Series 37G is higher than the Series TF-1, TF-2, 35, 35-1, 39 and 39F because the 37G has a reduced discharge cross-sectional area. The 37G's bill is shaped like a wedge to allow it to be installed inside of a pipe. The pressure drop (head loss) is increased because the 37G creates greater flow restriction than the Series TF-1, TF-2, 35, 35-1, 39 and 39F.

Red Valve recommends pinning the Series 37G to the pipe. Each clamp has four pre-drilled holes to allow installation of anchors/bolts. Contact Red Valve for additional information.

## 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
- **Expansion Clamps:** 316 Stainless Steel

## Series 37G

NOMINAL SIZE* Pipe I.D.	DIMENSIONS in/mm		MAX. BACKPRESSURE psi/kPa**
	LENGTH L	BILL HEIGHT H	
2"	5.00	1.88	150
50mm	127	48	1030
3"	5.50	2.88	100
80mm	140	73	690
4"	7.00	3.88	75
100mm	178	99	520
6"	11.00	5.88	75
150mm	279	149	520
8"	12.50	7.88	60
200mm	318	200	410
10"	15.50	9.88	45
250mm	394	251	320
12"	18.50	11.88	35
300mm	470	302	240
14"	22.00	13.75	25
350mm	559	349	170
16"	23.00	15.75	20
400mm	584	400	140
18"	24.00	17.75	15
450mm	610	451	100
20"	32.00	19.75	10
500mm	813	502	70
24"	37.00	23.75	10
600mm	940	603	70
30"	41.00	29.75	8
750mm	1041	756	55
36"	47.00	35.75	8
900mm	1194	908	55
42"	49.00	41.50	5
1050mm	1245	1054	30
48"	52.00	47.50	5
1200mm	1321	1207	30
54"	57.00	53.50	5
1350mm	1448	1359	30
60"	64.00	59.50	5
1500mm	1626	1511	30
72"	73.00	71.50	5
1800mm	1854	1816	30

Contact Red Valve to verify overall dimensions.

\* Other sizes available; consult factory. Valves are also made for non-standard pipe I.D.s.

\*\* For higher backpressure, see Saddle Support Cut Sheet RV09.01-13.

