

Tideflex® Series 39F In-Line Check Valve



- Large-diameter design
- Virtually maintenance-free operation
- No hinges to bind or freeze
- Mounting in any orientation
- Closes on entrapped solids

The Tideflex® Series 39F In-Line Check Valve is designed to handle abrasive material, sewage, sludge and other difficult slurries. The heart of the valve is the check sleeve that provides through-flow at minimum pressure drop across the valve at all times. Forward pressure opens the valve automatically and reverse pressure seals the valve. The valve's operation is silent and non-slamming.

The inner rubber check sleeve minimizes wear and deterioration caused by continuous operation of abrasive slurries. There are no mechanical parts such as hinges, disks or metal seats that can freeze, corrode or bind valve operation.

The steel-fabricated valve body is designed to provide easy installation or replacement of a standard Tideflex® Check Valve. The Series 39F In-Line Check Valve is provided with an inspection port and bottom flush ports. The valve flanges are drilled for through bolting. Face-to-face dimensions meet ASME B16.10 specifications. Specify line pressure and backpressure on order.

Materials of Construction

- **Body:** Fabricated steel
- **Sleeves:** 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
- **Drilled and tapped flanges:** ASME 125/150
- Epoxy coating or rubber-lined body available

Series 39F

DIMENSIONS in/mm					
VALVE SIZE A	LENGTH L	HEIGHT H	CLEAN OUT PLUG DIAMETER B	FLUSH PORT DIAMETER C	MAX. BACKPRESSURE psi/kPa*
30"	60.00	66.00	6.00	1.00	8
750mm	1524	1676	152	25	55
36"	77.00	77.00	6.00	1.00	8
900mm	1956	1956	152	25	55
42"	80.00	90.00	6.00	1.00	5
1050mm	2032	2286	152	25	30
48"	90.00	102.00	6.00	1.00	5
1200mm	2286	2591	152	25	30
54"	105.00	126.00	6.00	1.00	5
1350mm	2667	3200	152	25	30
60"	110.00	126.00	6.00	1.00	5
1500mm	2794	3200	152	25	30
72"	123.00	144.00	6.00	1.00	5
1800mm	3124	3658	152	25	30
84"	126.00	119.00	6.00	2.00	5
2100mm	3200	3023	152	51	30

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

