CIL - 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), NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 certified EPDM
- **Drilled and tapped flanges:** ASME 125/150
- Epoxy coating or rubber-lined body available

Series 39F

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

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