

### Waterflex® WF-1—Check Valve

#### Features & Benefits

- High Backpressure Rating
- Seals Drop-Tight Eliminating Backflow
- Lightweight
- Non-slamming
- No Springs or Packing Seals

#### Materials of Construction

- Body: Ductile Iron, Carbon Steel, Stainless Steel
- Disc: Carbon Steel, Stainless Steel
- Waterflex® Membrane: Hypalon®, EPDM, NSF-61-Approved SBR

The inline Series WF-1 is an entirely new check valve design specifically engineered for water applications. The all-new WF-1 provides very low headloss characteristics, with high back-pressure ratings comparable to other valve styles such as lever and weight or spring-loaded discs.

The WF-1 operates solely on line pressure and back pressure to open and close...no outside energy source is required. As line pressure builds, the 100% elastomeric disc is folded away from the perforated plate, allowing water to pass. The "memory" of the rubber will cause the disk to return flat, and back-pressure will seal the disk against the plate to prevent backflow. The WF-1 features a 2-piece body with ANSI flanges for easy installation or retrofitting. The large disk of the WF-1 design provides a low pressure pressure drop thru the valve.

The Elastomer Waterflex® is more cost effective than other valve styles. Moving parts such as hinges and springs can seize if routine maintenance and lubrication is not performed. The WF-1 has no moving parts that require maintenance or repairs, so operational costs are low and service life is long.



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Nominal Pipe Size	Length L*	Width W	Pressure Rating psi
4"	17.5"	11"	150
6"	22"	16"	150
8"	25"	19"	125
10"	38"	23.5"	100
12"	42"	25"	75
16"	54"	32"	75
24"	65"	46"	50
30"	72"	59.5"	50
36"	84"	66.25"	50

\*Length dimension varies with ductile iron body. Custom lengths available. Consult factory for higher working pressure.

