The wafer-style Series WF-2 is an entirely new check valve design specifically engineered for water applications. The all-new WF-2 provides very low headloss characteristics, with high backpressure ratings comparable to other valve styles such as lever and weight or spring-loaded disks.

The WF-2 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-2 is designed to be inserted between two mating flanges. Its face-to-face dimension is the smallest available for any check 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-2 has no moving parts that require maintenance or repairs, so operational costs are low and service life is long.

---

### Waterflex® WF-2—Wafer Style Check Valve

#### Features & Benefits
- High Backpressure Rating
- Seals Drop-Tight Eliminating Backflow
- No Springs or Packing Seals
- Light Weight
- Non-slamming
- Low Profile, Short Face to Face

#### Materials of Construction
- Disc: Carbon Steel, Stainless Steel, PVC (low pressure only)
- Waterflex® Membrane: PGR, Neoprene, Buna-N, Hypalon® and EPDM
- Available as NSF 61 certified with stainless steel disc and EPDM membrane

---

The wafer-style Series WF-2 is an entirely new check valve design specifically engineered for water applications. The all-new WF-2 provides very low headloss characteristics, with high backpressure ratings comparable to other valve styles such as lever and weight or spring-loaded disks.

The WF-2 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-2 is designed to be inserted between two mating flanges. Its face-to-face dimension is the smallest available for any check 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-2 has no moving parts that require maintenance or repairs, so operational costs are low and service life is long.

---

### Technical Data

#### Waterflex® WF-2—Wafer Style Check Valve

#### Features & Benefits
- High Backpressure Rating
- Seals Drop-Tight Eliminating Backflow
- No Springs or Packing Seals
- Light Weight
- Non-slamming
- Low Profile, Short Face to Face

#### Materials of Construction
- Disc: Carbon Steel, Stainless Steel, PVC (low pressure only)
- Waterflex® Membrane: PGR, Neoprene, Buna-N, Hypalon® and EPDM
- Available as NSF 61 certified with stainless steel disc and EPDM membrane

---

#### Nominal Pressure Rating

<table>
<thead>
<tr>
<th>Nominal Pipe Size</th>
<th>Outside Diameter</th>
<th>Pressure rating ANSI lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>4”</td>
<td>6.19”</td>
<td>150</td>
</tr>
<tr>
<td>6”</td>
<td>8.50”</td>
<td>150</td>
</tr>
<tr>
<td>8”</td>
<td>10.63”</td>
<td>125</td>
</tr>
<tr>
<td>10”</td>
<td>12.75”</td>
<td>100</td>
</tr>
<tr>
<td>12”</td>
<td>15”</td>
<td>75</td>
</tr>
<tr>
<td>16”</td>
<td>18.5”</td>
<td>75</td>
</tr>
<tr>
<td>24”</td>
<td>27.25”</td>
<td>50</td>
</tr>
<tr>
<td>30”</td>
<td>34.5”</td>
<td>50</td>
</tr>
<tr>
<td>36”</td>
<td>41”</td>
<td>50</td>
</tr>
<tr>
<td>42”</td>
<td>47.75”</td>
<td>50</td>
</tr>
<tr>
<td>48”</td>
<td>54.25”</td>
<td>50</td>
</tr>
</tbody>
</table>

Consult factory for higher working pressure.

---

#### Headloss vs. Pipe Velocity

![Graph showing headloss vs. pipe velocity](image-url)