FR Flushing Ring

FEATURES
- Dual ½ NPT flushing ports for flush (DF) diaphragm seals
- Machined from bar stock
- Various ASME B16.5 flange sizes
- Available in a variety of materials

TYPICAL USES
- Oil and Gas
- Refineries
- Chemical and Petrochemical
- Water and Wastewater
- NACE compliant processes
- Biogas and Diesel

SPECIFICATIONS
| Connection Style: | Flanged |
| Process Connection Size: | 1, 1½, 2, 3 or 4 NPS per ASME B16.5 |
| Flush Ports: | Dual ½ NPT |
| Flange Ratings: | ASME B16.5: 150, 300, 600, 900, 1500, 2500 |
| Flange: | Raised face or ring joint |
| Approvals and Certificates: | CRN, NACE, ATEX, PMI, EN10204 3.1 |

WETTED COMPONENTS
- Flush ring, flush plugs (OPT.)

KEY BENEFITS
- Provides a process flushing option for flush flanged diaphragm seals
- Can be used to flush, sample, or vent process when used with isolating valves
# FR Flushing Ring

## ORDERING CODE

<table>
<thead>
<tr>
<th>Process Connection Size</th>
<th>10</th>
<th>FR</th>
<th>150</th>
<th>RF</th>
<th>XMQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 - 1 NPS</td>
<td>10</td>
<td>FR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 - 1 ½ NPS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 - 2 NPS</td>
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<tr>
<td>30 - 3 NPS</td>
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<tr>
<td>40 - 4 NPS</td>
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</table>

## Flush Ring

<table>
<thead>
<tr>
<th>FR - Flushing Ring</th>
<th>FR</th>
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## Material

<table>
<thead>
<tr>
<th>Material</th>
<th>FR</th>
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</thead>
<tbody>
<tr>
<td>S - 316L Stainless steel</td>
<td>S</td>
</tr>
<tr>
<td>P - Monel® 400</td>
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</tr>
<tr>
<td>H - Hastelloy® C-276</td>
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<tr>
<td>Z - Duplex 2205</td>
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## Flange Class

<table>
<thead>
<tr>
<th>Flange Class</th>
<th>FR</th>
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<tbody>
<tr>
<td>150 - ASME 150 class</td>
<td>150</td>
</tr>
<tr>
<td>300 - ASME 300 class</td>
<td></td>
</tr>
<tr>
<td>600 - ASME 600 class</td>
<td></td>
</tr>
<tr>
<td>900 - ASME 900 class</td>
<td></td>
</tr>
<tr>
<td>1500 - ASME 1500 class</td>
<td></td>
</tr>
<tr>
<td>2500 - ASME 2500 class</td>
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</tr>
</tbody>
</table>

## Flange Form (Contact Ashcroft for other range forms)

<table>
<thead>
<tr>
<th>Flange Form</th>
<th>FR</th>
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</thead>
<tbody>
<tr>
<td>RF - Raised Face</td>
<td>RF</td>
</tr>
<tr>
<td>RJ - Ring Joint</td>
<td></td>
</tr>
</tbody>
</table>

## Options (if choosing option(s) must include an “X”)

<table>
<thead>
<tr>
<th>Options</th>
<th>FR</th>
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</thead>
<tbody>
<tr>
<td>PU - Dual flushing plugs in same material</td>
<td></td>
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<tr>
<td>C3 - EN 3.1 Traceability</td>
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</tr>
<tr>
<td>CD5 - NACE certificate</td>
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<tr>
<td>MQ - Positive material identification</td>
<td>MQ</td>
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</tbody>
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All specifications are subject to change without notice.
All sales subject to standard terms and conditions.
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ashcroft.com
info@ashcroft.com
1.800.328.8258
### FR Flushing Ring

**DIMENSIONS** in [ ] are millimeters
For reference only, consult Ashcroft for specific dimensional drawings

<table>
<thead>
<tr>
<th>Size</th>
<th>Flange Type</th>
<th>Ød1</th>
<th>Ød2</th>
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</thead>
<tbody>
<tr>
<td>1”</td>
<td>ASME Raised Face 150-2500 Class</td>
<td>2.00</td>
<td>1.50</td>
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<tr>
<td>1½”</td>
<td>ASME Raised Face 150-2500 Class</td>
<td>2.88</td>
<td>1.61</td>
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<td>2”</td>
<td>ASME Raised Face 150-2500 Class</td>
<td>3.63</td>
<td>2.07</td>
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<tr>
<td>3”</td>
<td>ASME Raised Face 150-2500 Class</td>
<td>5.00</td>
<td>3.07</td>
</tr>
<tr>
<td>4”</td>
<td>ASME Raised Face 150-2500 Class</td>
<td>6.19</td>
<td>4.03</td>
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