**KNIFE GATE VALVE**

**AL 48-XD**

**Description**

AL 48-XD is a bidirectional type knife gate valve with non rising stem or rising stem. Available dimensions are DN 50-600, for mounting between flanges PN 10. The design gives a free passage for the media and no loss of pressure. The bidirectional designs simplifies the installation and eliminates problems with pressure differences in adjoining pipes. Suitable for abrasive media with a high amount of solid particles. The U-shaped seat design improves the tightness. It is easy to change actuator without unassembly the valve.

**Pressure / Temperature**

<table>
<thead>
<tr>
<th>No</th>
<th>Part</th>
<th>Body Cast iron</th>
<th>Body Stainless steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>GJL 250</td>
<td>CF8M</td>
</tr>
<tr>
<td>2</td>
<td>Seal</td>
<td>NBR</td>
<td>NBR</td>
</tr>
<tr>
<td>3</td>
<td>Gate</td>
<td>AISI 316</td>
<td>AISI 316</td>
</tr>
<tr>
<td>4</td>
<td>Packing</td>
<td>NBR</td>
<td>NBR</td>
</tr>
<tr>
<td>5</td>
<td>Screw and nut</td>
<td>A-4</td>
<td>A-4</td>
</tr>
<tr>
<td>6</td>
<td>Push rod</td>
<td>AISI 316</td>
<td>AISI 316</td>
</tr>
<tr>
<td>7</td>
<td>Plates</td>
<td>1.0580</td>
<td>AISI 316</td>
</tr>
<tr>
<td>8</td>
<td>Stem</td>
<td>AISI 316</td>
<td>AISI 316</td>
</tr>
<tr>
<td>9</td>
<td>Bearing</td>
<td>1.0401</td>
<td>AISI 316</td>
</tr>
<tr>
<td>10</td>
<td>Hand wheel</td>
<td>1.0037</td>
<td>1.0037</td>
</tr>
<tr>
<td>11</td>
<td>Nut (AL 48-XDF)</td>
<td>Bronze</td>
<td>Bronze</td>
</tr>
<tr>
<td>12</td>
<td>Pneumatic actuator (AL 48-XDN)</td>
<td>Aluminium</td>
<td>Aluminium</td>
</tr>
</tbody>
</table>

Upon request max. working pressure 10 bar for DN 200-600.
Upon request PN 16.

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Upon request PN 16.
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AL 48-XD

Options
- Dimensions DN 700-1200
- Through going gate
- Scrapers
- Rectangular design
- Modulating design
- Chain wheel operation
- Quick action lever (for DN 50-150)
- Cylinder for water hydraulics
- Gear operator

Solenoid valve with adjustable opening/closing time and filter

Options
- Min. air pressure: 6 bar
- Max. air pressure: 10 bar
- Lubricated air

Ordering key
AL 48 - XDF - 11 - DN 100 - PN 10

Typ
XDV = Rising stem
XDF = Non rising stem
XDN = Pneumatic actuator
XDM = Elektric actuator
11 = Body cast iron
14 = Body stainless steel

Dimension DN 50 - 600
PN 10 = Standard
(PN 16 - 64 optional)