PINCH KNIFE GATE VALVES


GENERAL APPLICATIONS

This knife gate valve is suitable for working in the mining industry, in loaded fluid transport lines, such as: water with stones, sludge, etc. and in general it is used for abrasive fluids in the chemical industry and waste water.

Designed for the following applications:
- Mining
- Sewage treatment
- Electrical power stations
- Chemical plants
- Energy Sector
- Thermal power stations

This knife gate valve’s main characteristic is that it provides a full continuous flow.

This means that in open position there are no turbulences in the fluid.

SIZES

DN50 to DN1400 (upper sizes on request).

DIFFERENTIAL PRESSURE

<table>
<thead>
<tr>
<th>DN Range</th>
<th>PN max</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN50 to DN600</td>
<td>10 kg/cm²</td>
</tr>
<tr>
<td>DN700 to DN1400</td>
<td>6 kg/cm²</td>
</tr>
</tbody>
</table>

The pressures indicated in the table, can be used in both directions.

DIRECTIVES

Machinery Directive: DIR 2006/42/EC (MACHINERY)
Potential Explosive Atmospheres Directive: DIR 94/9/EC (ATEX) CAT.3 ZONE 2 and 22
GD for further information on categories and zones please contact the Tecofi Technical Commercial Dept.
Leader in the manufacturing of knife gate valves, Tecofi has a large range able to respond to all needs and applications.

**KNIFE GATE VALVES**

This valve suits to difficult applications, such as pasty products and powders.

**STANDARD KNIFE GATE VALVE**

This knife gate valve was specially developed for an under silo assembly. It allows you to get rid of dry products like dust or grains thanks to blowing holes, which avoid the stuffing and the accumulations of product, so the jamming of the gate.

**UNDER SILO KNIFE GATE VALVE**

This valve is a two pieces body without retention area, with two seat seals which allow a bi-directional tightness. This valve is especially adapted for the pulp and paper industry, in pulp outlets. The principal of the gate’s movement works like a “cigar cutter”.

**THROUGH CONDUIT KNIFE GATE VALVE**

**APPLICATIONS**

<table>
<thead>
<tr>
<th>Pulp and paper</th>
<th>Silo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water treatment</td>
<td>Cement</td>
</tr>
<tr>
<td>Wine industry</td>
<td>Powders</td>
</tr>
<tr>
<td>Powders</td>
<td></td>
</tr>
</tbody>
</table>

**WORKING PRESSURE**

| DN50/250: 10 bar | DN50/150: 2,5 bar | DN50/250: 10 bar |
| DN300/450: 7 bar | DN200: 2 bar | DN300/450: 6 bar |
| DN500/600: 4 bar | DN250/300: 1,5 bar | DN500/600: 3,5 bar |
| DN700/1200: 2 bar | DN400: 1,3 bar | DN700/1200: 2 bar |
The butterfly valve is a 1/4 turn valve which also allows you to do regulation. These valves are especially adapted for general uses and non-viscous industrial fluids.

**BUTTERFLY VALVE WITH SLEEVE «TECFLY»**

The butterfly valve with sleeve is particularly suitable for general fluids, such as water, oils and acids.

**APPLICATION**

HVAC  
Water treatment  
Industry

**WORKING PRESSURE**

DN40/300 : 16 bar

**BUTTERFLY VALVE WITH FLANGES «TECLARGE»**

Between flanges or double flanges, this valve is used for neutral liquids such as water.

**APPLICATION**

HVAC  
Water treatment

**WORKING PRESSURE**

DN350/1200 : 10 bar  
Option : 16 bar on request

**HIGH PERFORMANCE BUTTERFLY VALVE «TECSUP»**

The high performance butterfly valve respond to the most restrictive operating conditions in terms of pressure and temperature.

**APPLICATION**

Steam, Chemical products

**WORKING PRESSURE**

DN50/600 : 16/25/40/64 bar, ASA150/300Lbs

---

**PINCH VALVES**

The pinch valve is a full bore valve that shuts via manual handwheel or via pneumatic air. It is mainly used in the waste water industry, for sludge, or in the case of abrasive products like pneumatic conveying, or conveying powders or pulverulent substances...

**MANUAL PINCH VALVE**

**CONSTRUCTION**

Cast aluminum body with handwheel operator

**REPLACABLE SLEEVE**

Natural rubber anti-abrasion / EPDM / NBR / Butyl / Hypalon / FPM / Neoprene

**WORKING PRESSURE**

DN10/65 : 4 bar  
DN80/200 : 3 bar

**PNEUMATIC PINCH VALVE**

**CONSTRUCTION**

Cast aluminum body operated by air under pressure.

**PINCH**

Natural rubber anti-abrasion / EPDM / NBR / Neoprene / Butyl / Hypalon / FPM

**WORKING PRESSURE**

DN40/150 : 6 bar  
DN200 : 4 bar  
DN250 : 2.5 bar