FREUDENBERG ACCUMULATOR PARTNER

With a broad product range and a global support network of experts, Freudenberg is your single source for accumulators. We drive innovation with research, development and production teams integrated across our global operations to meet the demands of global and local markets.

Our preferred partners provide you with products and knowledge expertly, reliably and quickly – close to the customer worldwide.

BLADDER ACCUMULATORS
EUROPEAN STANDARD RANGE
FOR INDUSTRIAL APPLICATIONS
**BLADDER ACCUMULATORS**

**SIZES FROM 1.0 L TO 50 L / PRESSURES UP TO 350 BAR**

Freudenberg Sealing Technologies' Bladder Accumulators are designed for industrial and commercial fluid power applications. They use the relative compressibility of an inert gas versus a fluid, and are one of the most commonly used components in industrial and commercial fluid power systems worldwide. With sizes from 1.0 l to 50 l and pressures from up to 350 bar and a variety of optional port connections and bladder materials, they are utilized for a wide variety of applications. Our Bladder Accumulators are constructed of high strength seamless steel shells, with high grade elastomeric bladders, which are assembled in accordance with PED pressure vessel standards.

The bladder-type accumulator is highly resistant to fluid contaminants, and can be assembled to function in lower temperature environments if necessary.

**VALUES TO THE CUSTOMERS**

- Standard product range available in stock and ready to ship
- Completely repairable
- Large varieties of different sizes, configurations and material
- Regular testing procedures to ensure and proof the products' high quality

**APPLICATION**

- Energy storage
- Shock or pulsation dampening
- Leakage compensation and thermal expansion
- Energy conservation/supplement pump flows
- Noise reduction, and improved fluid system response times

**CATALOG CONFIGURATIONS**

| Bladder Material | Permissible Operating Temperature
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NBR</td>
<td>-20 °C to +80 °C</td>
</tr>
</tbody>
</table>

- Further material or design options are available on request
- Depending on application limits of the steel housing and bladder material

**EUROPEAN STANDARD SERIES**

With more than 60 years of accumulator experience we listed the mostly used bladder Accumulator sizes and configurations. Further information and 3D models can also be found in our eCatalog:

https://ecatalog.fst.com/seals/all/accumulator/

**EXAMPLE RFQ**

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Fluid Port</th>
<th>Gas Pre-Charge Pressure [bar]</th>
<th>Operating Fluid / Temperature Range / Gas Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>B02-350-4.00 / 165/NOLODCUP</td>
<td>G1 ¾</td>
<td>20.00</td>
<td>Standard</td>
</tr>
</tbody>
</table>

- Catalog articles do not contain a gas pre-charge. Please specify the gas filling pressure, when placing the order.
- The article short description and SAP number will then be adapted.
- Further connections on request
- Further directives on request available
- Usage of engineering information sheet recommended. Can be found through our download center on fst.com.