DOME PRESSURE REGULATOR SET 737 LE-HD/S
Complete solution - own medium controlled

High-performance dome-loaded pressure regulator-set.
For high and varying flows requiring maximum pressure stability.
A complete solution, applicable as a manifold pressure regulator per DIN EN ISO 7291.

Features

● Pilot Control Tube (PCT)
  One of the features enabling highly accurate control of outlet pressure

● Balanced Seat Design (BSD)
  Further enabling control precision, high reliability and low maintenance

● A complete solution, ready to use
  With integrated pilot pressure regulator, and stainless steel pressure gauges, completely assembled and tested

● Own-medium controlled
  Enabling autonomous operation

● Closed system
  No gas is released to atmosphere

● Simple to install and operate
  Removable spindle enables simple setting of the required outlet pressure
  Can be positioned at any angle / orientation
  For indoor and outdoor installation.

Maintenance

Annual testing of body leak tightness is recommended. Depending on application, moving wetted parts may need periodic replacement.

Device-specific Maintenance-Kit available upon request.

Approvals

Company certified according to ISO 9001, ISO 22000 and PED 2014/68/EU Module H

CE-marked according to PED 2014/68/EU

ATEX 2014/34/EU with ignition hazard analysis according to EN 1127-1, DIN EN 13463-1 and ZH1/200

Analysed for Food Safety per HACCP-Analysis

Fulfils the requirements of EU Regulations (EC) 1935/2004, and (EC) 2023/2006

Fulfils the requirements of German Food and Feed (LFGB) Law, and is suitable for contact with food gases

Available upon request

Lockable spindle cap

Certificates and test reports

Other Dome types

Switchover systems / parallel supply systems

Customer-specific / customised versions
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<table>
<thead>
<tr>
<th>Model</th>
<th>max. inlet pressure</th>
<th>outlet pressure</th>
<th>Order-No.</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Kv-Value</th>
<th>Cv-Value</th>
<th>Coefficient as per DIN EN ISO 7291</th>
<th>Temperature range</th>
<th>Filter</th>
<th>Pressure gauge</th>
<th>Housing</th>
<th>Cartridge</th>
<th>Membrane</th>
<th>O-Ring</th>
<th>Spring</th>
<th>Weight approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>737LE-HD/S</td>
<td>CO₂ 25 bar 363 PSI</td>
<td>0.5 - 60 bar</td>
<td>292-0004</td>
<td>G 3/4&quot; female with filter</td>
<td>G 1&quot; female</td>
<td>1.65</td>
<td>1.9</td>
<td>Coefficient of increase in pressure after closing R = 0.27</td>
<td>-30 °C to +50 °C</td>
<td>Bronze 80 µm</td>
<td>Stainless steel housing DIN EN ISO 5171</td>
<td>Brass</td>
<td>Stainless steel (1.4305)</td>
<td>CR</td>
<td>NBR</td>
<td>Stainless steel (1.4310)</td>
<td>17.5 kg / 39 lb</td>
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</table>

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<thead>
<tr>
<th>Model</th>
<th>Dimensions in mm</th>
</tr>
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<tbody>
<tr>
<td>737LE-HD/S</td>
<td>A 198 B 79 C 17 G₁ 3/4&quot; F G₂ 1&quot; F H approx. 233 L 178 S 48</td>
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</table>

For more pressure regulator visit www.domepressureregulators.com
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Pressure control performance examples (N₂, 20 °C : apply conversion factor of x 0.8 for CO₂)

Flowrate [m³/h], Pv = Inlet pressure [bar]
1 m³/h = 35.3 scfh

<table>
<thead>
<tr>
<th>Repair-Kit</th>
<th>Model</th>
<th>Order-No.</th>
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<tbody>
<tr>
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<td>737LE-HD/S</td>
<td>962.000084</td>
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<table>
<thead>
<tr>
<th>lockable spindle cap</th>
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<tr>
<td>Model</td>
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<td>737LE-HD/S</td>
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