DOME PRESSURE REGULATOR SET 767 LE/S-ES
Complete solution, own-medium controlled

High performance stainless steel dome-loaded pressure regulator set.
For high and varying flows requiring maximum pressure stability.

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 (no separate gas supply required)
- **Closed system**
  self-relieving design, but 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
- glycerine-filled manometer, unfilled version for oxygen

Maintenance

Annual testing of body leak tightness is recommended. Depending on application, moving wetted parts may need periodic replacement.
Device-specific Repair-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
Analyzed for Food Safety per HACCP-Analysis
Fulfills the requirements of EU Regulations (EC) 1935/2004, and (EC) 2023/2006
Fulfills 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/customized versions

Operation / Usage

Ideal for process gas supply where pressure accuracy is required even when inlet pressures and flow rates are varying.

High flow rates and outlet pressure accuracy are achieved, even when the difference between inlet and outlet pressures is small.

Also suitable for various aggressive and toxic gases.
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<table>
<thead>
<tr>
<th>Model</th>
<th>Connection G</th>
<th>Dimensions in inches</th>
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<tbody>
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<td>A</td>
<td>B</td>
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<td>767</td>
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<td>3&quot; female</td>
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<td>DN 80/PN 40</td>
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Other connections upon request

For more pressure regulators visit [www.domepressureregulators.com](http://www.domepressureregulators.com)
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Pressure control performance examples (N₂, 68°F : apply conversion factor of x 0.8 for CO₂)

Flow rate m³/h, PV = Inlet pressure [bar]
1 m³/h = 35.3 scfh

Outlet pressure [bar]

Outlet pressure in bar

Flow capacity “envelope”

Example:
- Inlet pressure: 32 bar
- Outlet pressure: 26 bar
- Max. Flow: 10,000 Nm³/h
- Gas: N₂

individual graphs with your parameters upon request
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<table>
<thead>
<tr>
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