DOME PRESSURE REGULATOR SET 747 LE/S
Complete solution, own-medium controlled

High performance 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
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<table>
<thead>
<tr>
<th>Model</th>
<th>Connection</th>
<th>Dimensions in inches</th>
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</thead>
<tbody>
<tr>
<td>747</td>
<td>1&quot; female</td>
<td>A: 7.78 B: 3.11 C: 0.2</td>
</tr>
<tr>
<td></td>
<td>1&quot; NPT female</td>
<td>A: 7.78 B: 3.11 C: 0.2</td>
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other material/material combinations upon request

For more pressure regulators visit www.wittgas.us
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Pressure control performance examples (N₂, 68°F : apply conversion factor of x 0.8 for CO₂)

![Graph showing flow capacity envelope](image)

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

Outlet pressure [bar]

Example:
- Inlet pressure: 32 barₘₐₛ
- Outlet pressure: 26 barₘₐₛ
- Max. Flow: 1,200 Nm³/h
- Gas: N₂

Flow capacity “envelope”

individual graphs with your parameters upon request
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Connection combinations

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Repair-Kit

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Lockable spindle cap

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