D162 Dome loaded regulator

> Port size: G1
> Robust design
> Reliable operation for more than 20 years if maintenance program is being followed
> Options are designed to tailor or customize D162 to application needs, hence increasing overall efficiency
> Designed and built according PED 97/23/EC

Technical features
Ideal for variable inlet pressure and environmental temperature the D162 maintains stable downstream pressure control. The heavy duty construction makes the D162 perfect for arduous conditions and harsh environments. Suitable for medium and high pressure.

Applications:
- Gas distribution/mixing
- Pressure test rigs
- Marine industries
- Off shore / aggressive environments
- Oxygen use approved
- Compressor regulation
- Air, O2, CH4 compressor

Medium:
Any gases, air, N2, O2, Ar, H4, H2, C2H2, CO2, N2O or some liquids

Maximum inlet pressure:
250 barg (3625 psig)
350 barg (5076 psig)

Outlet pressure range:
5 ... 220 barg (72 ... 3190 psig)

Flow rate indication:
Flow rate indication is given for an equivalent flow with air, in sonic conditions (P1 > 2P2), which is 48 Nm³/h per Bar of absolute pressure downstream (internal Ø 10 mm and ports 1").

Leakage:
Helium leak tested:
Internal leak tight: >10⁻⁵ mbar.l/sec
External leak tight: >10⁻⁶ mbar.l/sec
Helium leak tested to 10⁻⁸ atm.cm³/sec⁻¹ (on request)

Weight:
7 kg

Ambient/Media temperature:
-20 ... +50°C (-4 ... +122°F)

Note:
Suggested filter:
F545L Option 1006
F545I Option 1006
Union fitting 3 pieces: T1568 G1" or T1569 G1 (SS mainly)

Option selector

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<tr>
<th>Main material</th>
<th>Substitute</th>
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<tbody>
<tr>
<td>Brass</td>
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<td>Stainless steel</td>
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<tr>
<th>Max. inlet pressure</th>
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<td>250 barg</td>
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<th>Valve material</th>
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<td>PCTFE</td>
<td>K</td>
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<td>Peek</td>
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Main options Substitute

Valve with PTFE guide rings 1685
New standard version 1685
Valve assembly DN 5 from D083 1123
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2015 - 8210d) © 2015 IMF sas.

Warning

Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, IMF sas.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.