**Technical Data Sheet**

**Gas booster DLE 30-75-2**

### Technical Data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air drive pressure $p_L$</td>
<td>1-10 bar / 14,5 - 145psi</td>
</tr>
<tr>
<td>Pressure ratio $i$</td>
<td>1:60 / 1:150</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>1:50</td>
</tr>
<tr>
<td>Stage pressure ratio</td>
<td>1:2.5</td>
</tr>
<tr>
<td>Minimum suction pressure $p_A$</td>
<td>15 bar</td>
</tr>
<tr>
<td>Maximum suction pressure $p_A$</td>
<td>$24^\star$ air drive pressure $p_L$</td>
</tr>
<tr>
<td>Maximum outlet pressure $p_B$</td>
<td>1,500 bar</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>60 cm³</td>
</tr>
<tr>
<td>Maximum cycles</td>
<td>100 / min</td>
</tr>
<tr>
<td>Stall pressure</td>
<td>$p_B = 150^\star p_L + 150/60^\star p_A$</td>
</tr>
</tbody>
</table>

### Standard Connections:

- **Air drive:** 3/4 BSP
- **DLE 30-75-2 (-GG)**: Inlet/Outlet: 1/4BSP
- **Maximum operating tempreature**: 100°C
- **Net weight**: 24 kg

### Materials of construction hp section DLE 30-75-2:

- **Standard seal package**: PTFE, Viton
- **Compressor head**: 1.4305
- **HP cylinder**: 1.4542
- **HP piston**: 1.4304
- **Fittings**: 1.4305
- **Balls**: 1.4034
- **Springs**: 1.4310

### Approximate Dimensions:

- **Length**: 788 mm
- **Width**: 181 mm
- **Height**: 233 mm

### Available Options:

- **Inert gas service (standard)**: DLE 30-75-2 (-GG)
- **Oxygen service**: DLE 30-75-2-GG-S
- **CO₂ service**: DLE 30-75-2-GG-C
- **In-/Outlet**: 9/16-18UNF - DLE 30-75-2-UU
- **In-/Outlet**: 1/4NPT - DLE 30-75-2-NN

### Available Accessories:

- **Air control units with filter pressure regulator, control pressure gauge and shut off valve**: DLE 30-75-2 with C2
- **To protect the booster against excessive outlet pressures or to limit the outlet pressure, a safety valve can be fitted to the air control unit in the air drive line**: DLE 30-75-2 with C2/SVair (The required outlet pressure has to be indicated.)

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