## Technical Data Sheet

### Gas booster DLE 2-1

#### 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>1:2</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>1:10</td>
</tr>
<tr>
<td>Minimum suction pressure $p_A$</td>
<td>0</td>
</tr>
<tr>
<td>Maximum suction pressure $p_A$</td>
<td>20 bar</td>
</tr>
<tr>
<td>Maximum outlet pressure $p_B$</td>
<td>20 bar</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>922 cm³</td>
</tr>
<tr>
<td>Maximum cycles</td>
<td>100 / min</td>
</tr>
<tr>
<td>Standard pressure $p_B = i \cdot p_L$</td>
<td></td>
</tr>
</tbody>
</table>

#### Standard Connections:

- **Air drive:** 3/4 BSP
- **DLE 2-1 (-GG):** Inlet/Outlet: 1/2 BSP
- Maximum operating temperature: 60°C
- **Net weight:** 15 kg
- **Pressure and flow performances, please see enclosed graph.**

#### Materials of construction hp section DLE 2-1:

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

#### Approximate Dimensions:

- **Length:** 436 mm
- **Width:** 181 mm
- **Height:** 275 mm

#### Available Options:

- **Inert gas service (standard):** DLE 2-1 (-GG)
- **Oxygen service:** DLE 2-1-GG-S
- **CO₂ service:** DLE 2-1-GG-C
- **In-/Outlet:** 1/4NPT DLE 2-1-NN

#### Available Accessories:

- **Air control units with filter pressure regulator, control pressure gauge and shut off valve:** DLE 2-1 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 2-1 with C2/SVair (The required outlet pressure has to be indicated.)

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**Please consult factory for more information.** All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.
Performance Graph DLE 2-1
Drive Pressure 4 bar
Max. Outlet Pressure 20 bar

Outlet Flow (l/min)

Outlet Pressure (bar)

Outlet Flow at Pv = 1 bar
Outlet Flow at Pv = 2 bar
Outlet Flow at Pv = 3 bar
Outlet Flow at Pv = 4 bar
Air Consumption (l/min)

Performance Graph DLE 2-1
Drive Pressure 6 bar
Max. Outlet Pressure 20 bar

Outlet Flow (l/min)

Outlet Pressure (bar)

Outlet Flow at Pv = 2 bar
Outlet Flow at Pv = 3 bar
Outlet Flow at Pv = 4 bar
Outlet Flow at Pv = 5 bar
Air Consumption (l/min)

Performance Graph DLE 2-1
Drive Pressure 8 bar
Max. Outlet Pressure 20 bar

Outlet Flow (l/min)

Outlet Pressure (bar)

Outlet Flow at Pv = 2 bar
Outlet Flow at Pv = 3 bar
Outlet Flow at Pv = 4 bar
Outlet Flow at Pv = 5 bar
Air Consumption (l/min)