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| Technical Data Sheet | <b>Gas booster</b> | <b>DLE 2-2</b><br>double acting, single stage, double air drive head |
|----------------------|--------------------|----------------------------------------------------------------------|

**Available DLE series**

- Single acting, single stage, single air drive head
- Double acting, single stage, single air drive head
- Double acting, single stage, double air drive head
- Single acting, two stages, single air drive head
- Single acting, two stages, double air drive head



**Technical Data:**

|                                   |                         |
|-----------------------------------|-------------------------|
| Air drive pressure pL             | 1-10 bar / 14.5—145 psi |
| Pressure ratio i                  | 1:4                     |
| Compression ratio                 | 1:10                    |
| Minimum suction pressure pA       | 0                       |
| Maximum suction pressure pA       | 40 bar                  |
| Maximum outlet pressure pB        | 40 bar                  |
| Displacement volume/double stroke | 1,844 cm <sup>3</sup>   |
| Maximum cycles                    | 90 / min                |
| Stall pressure                    | PB = i * pL + pA        |

**Standard connections**

|                               |                      |
|-------------------------------|----------------------|
| Air drive                     | 3/4 BSP              |
| DLE 2-2 (-GG)                 | Inlet/Outlet: 1/2BSP |
| Maximum operating temperature | 60°C                 |
| Net weight                    | 25 kg                |

Pressure and flow performances, please see enclosed

|                                                                                                                                                                        |                                                                                  |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Materials of construction hp section DLE 2-2:</b>                                                                                                                   | Standard seal package                                                            | PTFE, Viton                                                                               |
|                                                                                                                                                                        | Compressor head                                                                  | Aluminium Anodized                                                                        |
|                                                                                                                                                                        | HP cylinder                                                                      | Hard coated aluminium                                                                     |
|                                                                                                                                                                        | HP piston                                                                        | Aluminium                                                                                 |
|                                                                                                                                                                        | Fittings                                                                         | 1.4305                                                                                    |
|                                                                                                                                                                        | Balls                                                                            | 1.4034                                                                                    |
|                                                                                                                                                                        | Springs                                                                          | X12CrNi177                                                                                |
| <b>Approximate Dimensions:</b>                                                                                                                                         | Length                                                                           | 773 mm                                                                                    |
|                                                                                                                                                                        | Width                                                                            | 181 mm                                                                                    |
|                                                                                                                                                                        | Height                                                                           | 273 mm                                                                                    |
| <b>Available Options:</b>                                                                                                                                              | Inert gas service (standard)                                                     | DLE 2-2 (-GG) (materials of construction as above indicated)                              |
|                                                                                                                                                                        | Oxygen service                                                                   | DLE 2-2-GG- <b>S</b> Materials of construction in contact with oxygen of stainless steel) |
|                                                                                                                                                                        | CO <sub>2</sub> service                                                          | DLE 2-2-GG- <b>C</b><br>Seal package: PTFE, NBR                                           |
|                                                                                                                                                                        | Other inlet and outlet ports                                                     | Order codes                                                                               |
| Special seal material to handle special gases on request.                                                                                                              | Inlet: 1/2NPT<br>Outlet: 1/2NPT                                                  | DLE 2-2- <b>NN</b>                                                                        |
|                                                                                                                                                                        |                                                                                  |                                                                                           |
| <b>Available Accessories</b>                                                                                                                                           |                                                                                  |                                                                                           |
| Air control units for DLE series with filter pressure regulator, control pressure gauge and shut off valve                                                             | DLE 2-2with <b>C2</b>                                                            |                                                                                           |
| 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 2-2 with <b>C2/SVair</b> (The required outlet pressure has to be indicated.) |                                                                                           |

**Please consult factory for more information.**

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