### Properties vs. Benefits

<table>
<thead>
<tr>
<th>Properties</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>State-of-the-art screw pumps, valve and control technology</td>
<td>Low noise emissions</td>
</tr>
<tr>
<td>High- and low-pressure supply in a compact frame</td>
<td>Low space requirement</td>
</tr>
<tr>
<td>Demand-controlled pump control</td>
<td>Low electricity costs, great durability</td>
</tr>
<tr>
<td>Modular toolbox system</td>
<td>Low costs and short delivery times</td>
</tr>
<tr>
<td>Customer-specific design</td>
<td>Best possible addressing of requirements</td>
</tr>
</tbody>
</table>

### Application

The pressure booster DHS serves to supply machine tools with cooling lubricant. For this, low- and/or high-pressure pump(s) increase the supply pressure of a central plant. They supply all consumers of a machine tool with the necessary quantity of cooling lubricant. Examples are internally cooled tools and flushing.

### Description

**Main functions**
1. Cleaning of the cooling lubricant to protect the high-pressure pump
2. Dividing of the cooling lubricant volumetric flow for the different pressure stages/consumers
3. Increasing of the input pressure
4. Cleaning of the cooling lubricant to protect the machine tool
5. Supplying of all consumers with the necessary quantity of cooling lubricant

**Combination possibilities**
For continuous adjustment of the required pressure, we equip the pumps with frequency control on request. This prevents pressure surges. Furthermore, it has a positive influence on energy consumption, durability and noise emission.

### Equipment

- **Frame**
- **High-pressure pump(s)**
- **Low-pressure pump(s)**
- **Piping and fittings**
- **Sensor(s)**
- **Protective filter for high-pressure pump**
- **Protective filter for machine tool**

- **Control**

- ● Standard equipment
- ○ Option
Pressure booster DHS

Dimensions

<table>
<thead>
<tr>
<th>L</th>
<th>B</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>760</td>
<td>1900</td>
</tr>
<tr>
<td>1200</td>
<td>600</td>
<td>1800</td>
</tr>
</tbody>
</table>

Dimensions without units given in mm.
Other dimensions on request.