



## hydrolub

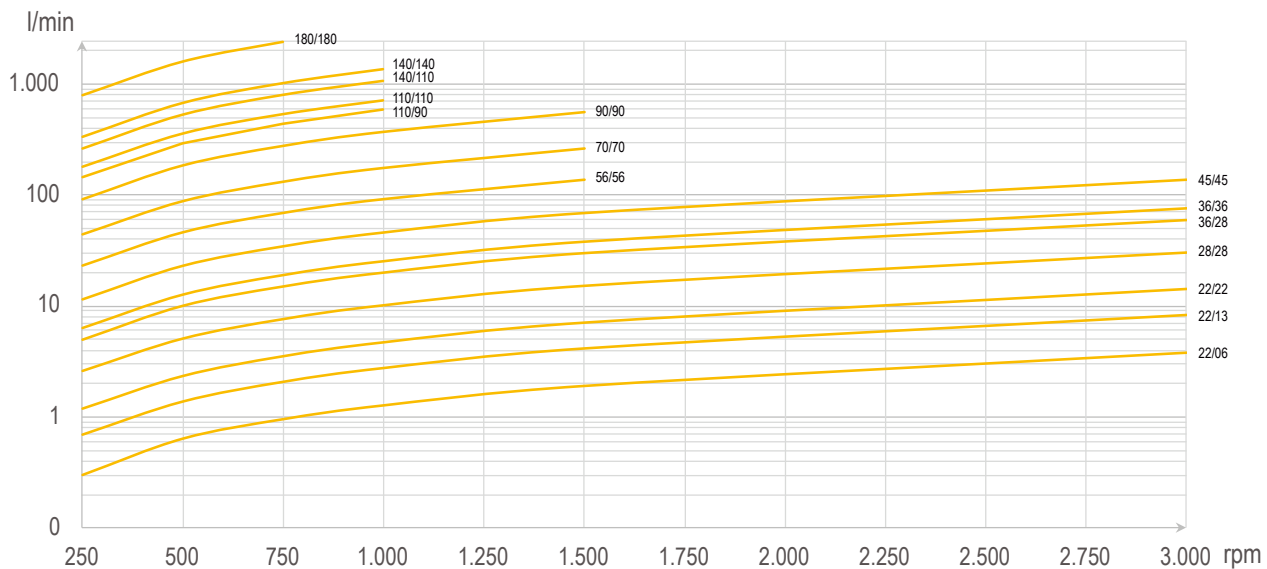
Grey cast gear pumps  
for low demanding applications



Continuously operated equipment calls for reliable components. Whether in lubrication oil applications or in processing plants, a pump is required to work reliably and long-lasting. Thanks to the extensive range of components and pump sizes, hydrolub can be configured to suit customers' specific requirements and therefore, are far superior to standard pumps in terms of performance.

### Your benefits

- High efficiencies (due to tolerances and small clearances being modified in line with applications)
- Precise displacement volume
- Self-priming
- Reliability and longevity
- Safety
- Low pulsations for oil applications (helical gears)



**Application limits:**

|                            |                       |
|----------------------------|-----------------------|
| <b>Viscosity:</b>          | 0.3 to 4,000,000 mPas |
| <b>Temperature:</b>        | -30 to 150 °C         |
| <b>Suction pressure:</b>   | Vacuum to 65 bar      |
| <b>Discharge pressure:</b> | Vacuum to 120 bar     |
| <b>Flow rate:</b>          | 0.1 to 2,400 l/min    |

**Technical specifications:**

|                              |  |
|------------------------------|--|
| <b>Housing:</b>              | <ul style="list-style-type: none"> <li>Pressure-resistant cast iron</li> </ul>    |
| <b>Gear shafts:</b>          | <ul style="list-style-type: none"> <li>Nitrided steel (spur, helical or coated)</li> </ul>    |
| <b>Bearing<sup>2)</sup>:</b> | <ul style="list-style-type: none"> <li>Manganese bronze</li> <li>Sintered iron</li> <li>Synthetic carbon</li> <li>Steel with carbon inserts</li> <li>Nitrided steel</li> <li>Nitrided steel coated</li> <li>Hardened tool steel</li> <li>Bronze – CuAl</li> </ul>                       |
| <b>Shaft seal:</b>           | <ul style="list-style-type: none"> <li>Lip seals and packing</li> <li>Single or double mechanical seal</li> <li>External mechanical seal</li> <li>Sealing medium or heating medium connections available</li> <li>Magnetic coupling with single or double containment shell</li> </ul>  |
| <b>Connections:</b>          | <ul style="list-style-type: none"> <li>SAE, CETOP, DIN, and ANSI flanges</li> </ul>  |

**A range of typical pumping media**

- Silicones
- Paints and varnishes
- Waxes and paraffins
- Mineral oils and fats
- Fuels
- Petrochemical products
- Lube oil

**Accessories**

- Stands, motor flanges and base plates
- Product connecting flanges
- Couplings
- Motors and gear reducers
- Frequency converters
- Shaft seal systems

**Certificates<sup>3)</sup>**

- ATEX certificates
- 2.2 certificate
- German Air Quality certificate (TA-Luft)
- TR-CU (EAC) 010 - 012
- Performance test certificates

**Options**

- Heated seals
- Bi-directional rotation
- Special modifications for demanding applications
- Integrated safety valve on request

<sup>1)</sup> Other pump sizes and higher flow rates available.

<sup>2)</sup> Other materials and designs available.

<sup>3)</sup> Other certificates and conformities upon request.

