

## PUMP & FILTRATION SYSTEMS >



### hydrolub®

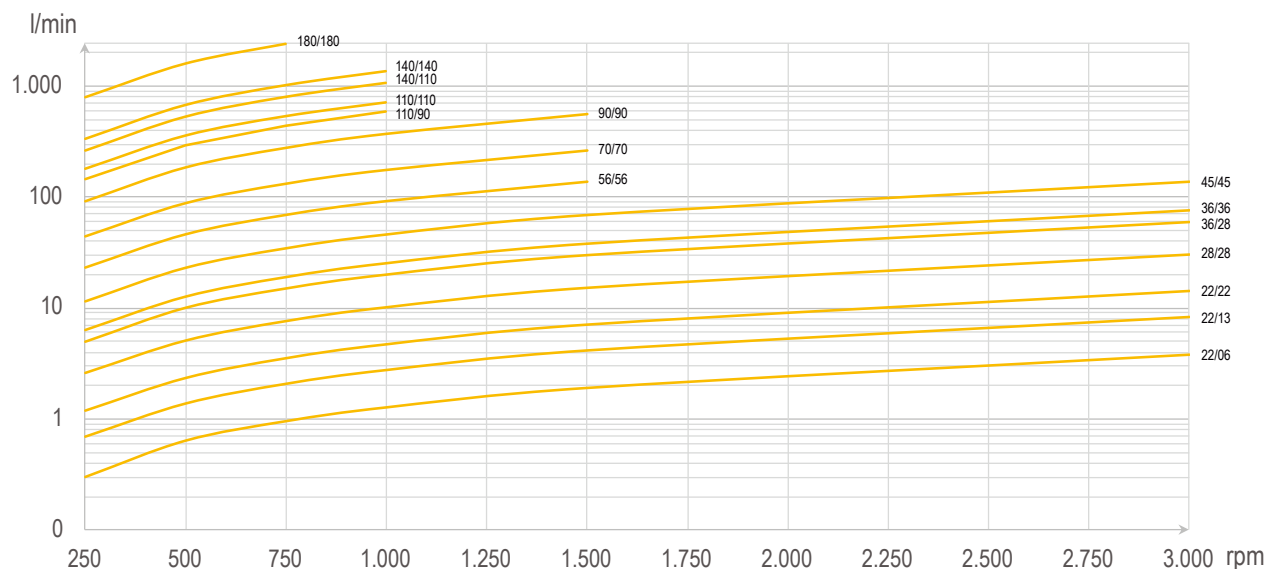
Grey cast iron gear pumps  
for industrial processes



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:

**Housing:** ■ Pressure-resistant cast iron



**Gear shafts:** ■ Nitrided steel (spur, helical or coated)



**Bearing<sup>2)</sup>:**

- Manganese bronze
- Sintered iron
- Synthetic carbon
- Steel with carbon inserts
- Nitrided steel
- Nitrided steel coated
- Hardened tool steel
- Bronze – CuAl



**Shaft seal:**

- Lip seals and packing
- Single or double mechanical seal
- External mechanical seal
- Sealing medium or heating medium connections available
- Magnetic coupling with single or double containment shell



**Connections:** ■ SAE, CETOP, DIN, and ANSI flanges

#### 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
- 3.1 certificate
- German Air Quality certificate (TA-Luft)
- Performance test certificates

#### Options

- Heated seals
- Bi-directional rotation
- Special modifications for demanding applications
- Safety valve in the pump upon 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.

