



hydrolub®

Grey cast iron gear pumps
for industrial processes

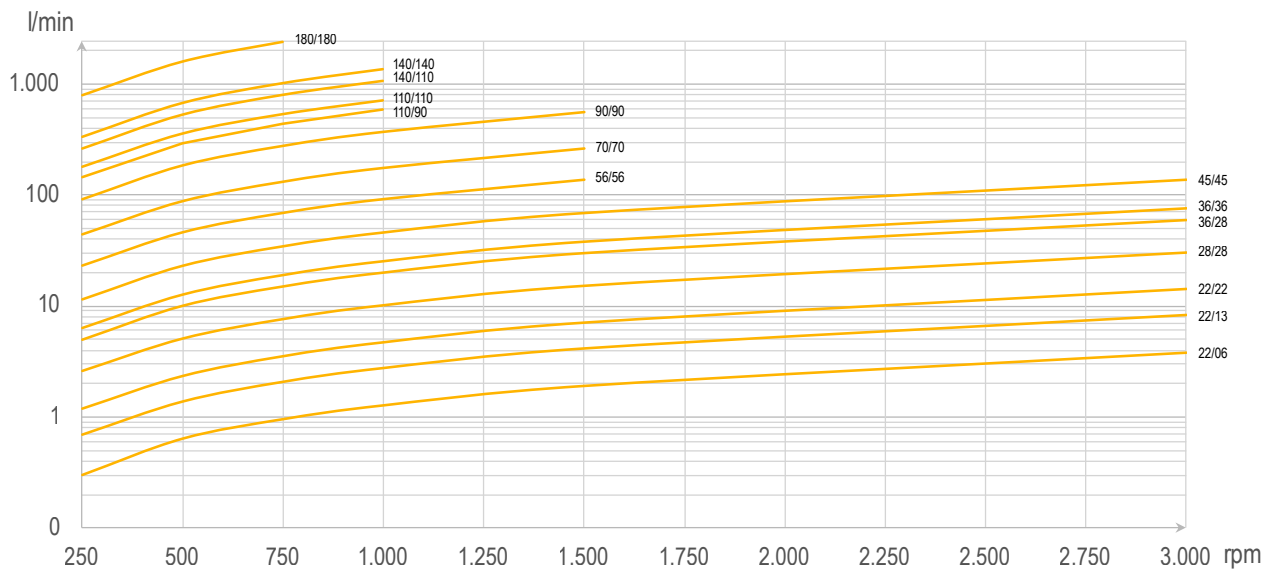


Continuously operated equipment calls for reliable components. Whether in lubrication oil applications or in processing plants, a pump is required to work reliably and long-lasting. Thanks to the extensive range of components and pump sizes, hydrolub® can be configured to suit customers' specific requirements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

hydrolub® 22-180 flow rate @ 0 bar ΔP¹⁾



Application limits:

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

Technical specifications:

Housing: ■ Pressure-resistant cast iron



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



Bearing²⁾:

- 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

Certificates³⁾

- 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

¹⁾ Other pump sizes and higher flow rates available.

²⁾ Other materials and designs available.

³⁾ Other certificates and conformities upon request.

