

VERDERGEAR Small, Gear pump VGS870

Description

Verdergear Gear Pumps are perfectly suitable for demanding applications in fluid transfer for dangerous liquids or expensive chemicals. They produce a very constant pulsation free flow without leakage.

The magnetically driven gear pumps have no shaft seals and are 100% leakfree. The pumps are perfect for dosing small volumes in a precise and reproducible way.



Advantages

- Pulsation free flow
- Highly reliable
- High dosing accuracy
- Corrosion-resistant materials
- Self-priming
- Very user-friendly

Application areas

- Construction industry
- Chemical industry
- Research & Development
- Food industry
- Paper industry
- Textile industry
- Environmental technology

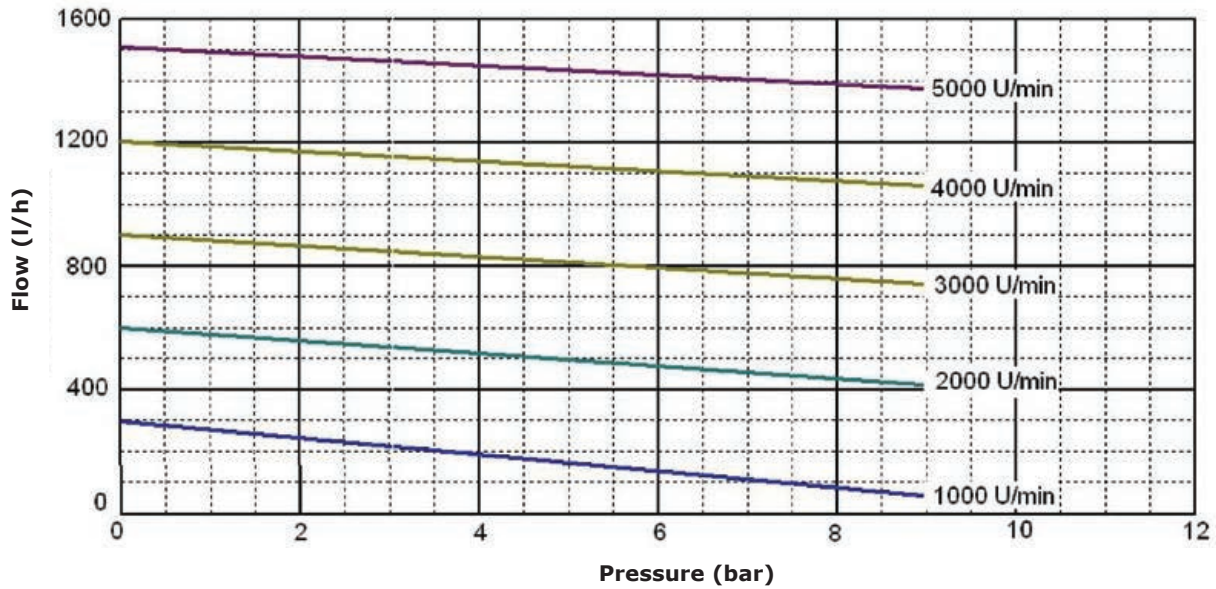
Technical data

| | |
|----------------------------|---|
| Speed range | 40 - 5000 Rpm |
| Flow range | 0 - 1590 l/h |
| Max. differential pressure | 7 bar |
| Temperature range | -46 to +176 °C |
| Viscosity | 1 - 2000 mPas* |
| Connections | 3/8 " NPT |
| Noise level | < 70 dB (A) |
| Material o-ring | PTFE (optional Viton) |
| Material gears | PEEK (optional PPS) |
| Material casing | Stainless steel 316L (optional Hastelloy, Titan) |

* higher viscosities are possible on request

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Flow curve



Flow curve valid for suction: 1 bar; media temperature: 20 °C; media viscosity: 1 cSt

Drawing

| Model | C | P | L | Inlet | Outlet | SL |
|--------|---------|-------|-----------|----------|----------|---------|
| VGS870 | 15.9 mm | 54 mm | 282.18 mm | 3/8" NPT | 3/8" NPT | M4 x 60 |

