

PUMP & FILTRATION SYSTEMS ›



cinox®-V therminox®-V

Discharge inox gear pumps
for chemical processes

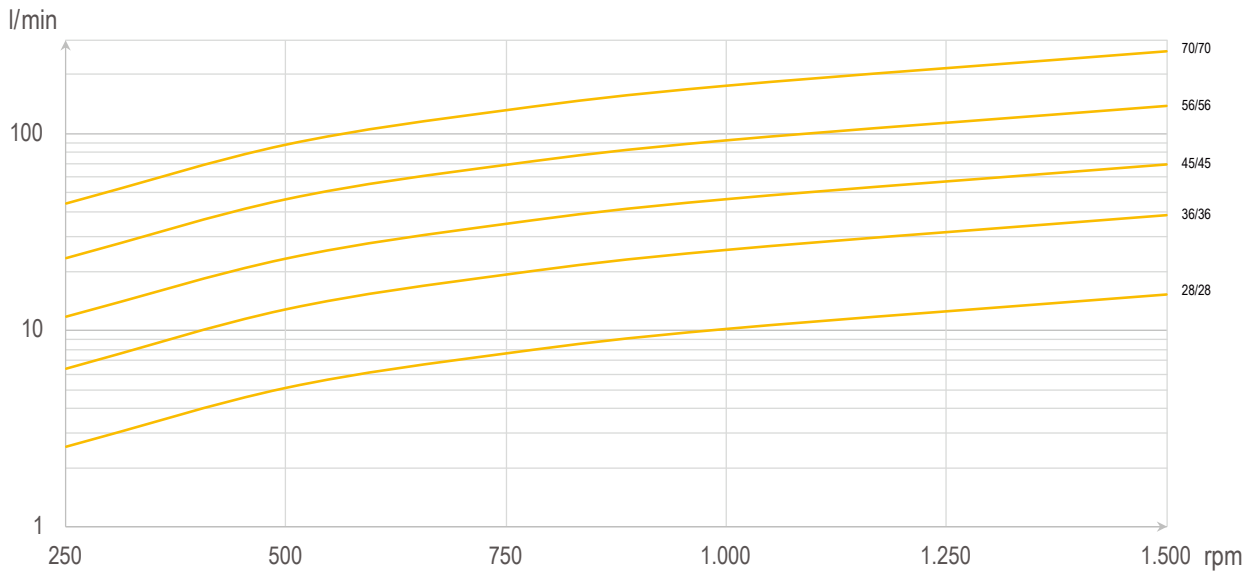


The pump models cinox®-V therminox®-V are discharge pumps. They have been designed for highly viscous fluids, which are gently extracted from reactors and degassing devices even when the inlet pressure is low, ensuring optimum filling characteristics and short dwell times. This pump series combines the outstanding flow characteristics of the polymer pumps with the exacting requirements of the chemical industry.

Your benefits

- Optimum fill characteristics due to enlarged inlet and optimum inlet geometry
- Low pulsation
- High efficiencies thanks to application-specific clearances
- Reliability
- Longevity
- Safety

cinox®-V therminox®-V 28-70 flow rate @ 0 bar ΔP



Application limits:

Viscosity:	0.3 to 4,000,000 mPas
Temperature:	-30 to 320 °C
Suction pressure:	Vacuum up to 16 bar
Discharge pressure:	Vacuum up to 200 bar
Flow rate¹⁾:	2.5 to 265 l/min

Technical specifications:

Housing: ■ Stainless steel



Gear shafts²⁾: ■ Stainless steel



Bearing²⁾: ■ Hardened tool steel



Shaft seal:

- Double mechanical seal
- Interlock or heater connections available
- Seal ring from a range of materials
- Packing gland throttled (optional spring loaded)



Connections: ■ Flanges (other optional) ANSI, DIN

Enlarged inlet: ■ Enlarged inlet geometry for low NPSH at high viscosities

A range of typical pumping media

- Prepolymers, oligomers, and monomers
- Dopes
- Spandex
- Resins
- Adhesives
- Silicones
- Waxes and paraffins
- Emulsifying agents
- Gum base

Accessories

- Product connecting flanges
- Motors and gear reducers
- Universal cardan shafts, hubs
- Frequency converters
- Sealing liquid system

Certificates³⁾

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

Options

- Electrical heating
- Heated product flanges

¹⁾ Higher flow rates upon request.

²⁾ Other materials and designs available.

³⁾ Other certificates and conformities upon request.

