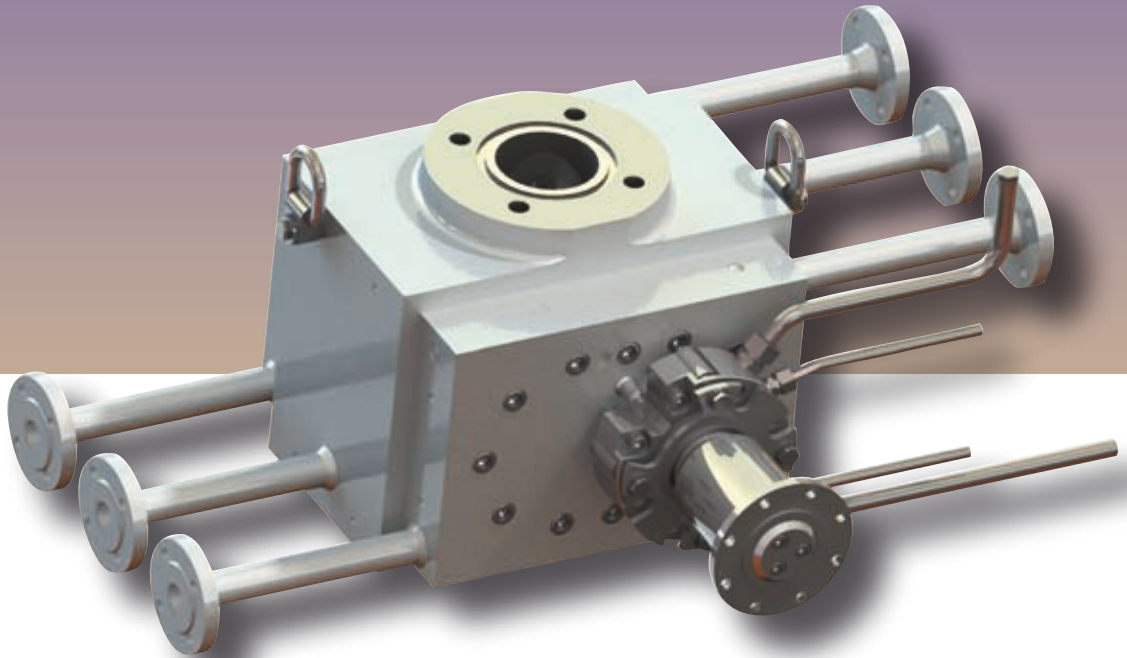


thermorex[®] RT



Typical pumping media:

- Cellulose acetate
- Elastomers
- Epoxy resin
- Phenolic resin
- Polyacrylonitrile
- Polyamide
- Polycarbonate
- Polybutylene Terephthalate
- Polyethylene Terephthalate
- Polymethylmethacrylate
- Polypropylene
- Polystyrene (incl. ABS, EPS)
- Polysulphone
- Silicone
- SBR Latex
- and others

Simple and constant pumping

Polymer processes require pumps which will constantly and reliably feed oligomers and prepolymers through the system. The pump design is highly suitable for low-viscosity applications. The thermorex[®] RT eliminates the need for pressurised vessels/reactors. The high efficiency and long service life will enhance your production plant's capacity.

Benefits of the thermorex[®] RT gear pump:

- Excellent fill behaviour due to optimised inlet geometries
- Optimised flow channels
- Completely heated
- High overall efficiency, minimised friction thanks to pioneering gear and bearing technology
- Low pulsation pumping even at high differential pressures
- Compact design

Technical specifications:**Housing, cover:** Stainless steel**Gear shafts:** Nitrided steel/tool steel**Bearing:** Tool steel/special materials

Shaft seals:

- Stuffing box for oligomer applications
- vispac®
- Single mechanical seal, heated
- Double mechanical seal with barrier system
- vislip®
- Magnetic coupling

Pump heating: with heat transfer medium max. 350 °C,
at max. 25 bar

Installation: The thermorex® RT gear pump can be flanged directly as a transfer pump under the reactor or mounted in-line.

Viscosity: to 60 Pas**Temperature:** to 350 °C

Suction side: pumped media flow under vacuum or
at an admission pressure to 10 bar.

Delivery side: discharge pressure to 120 bar

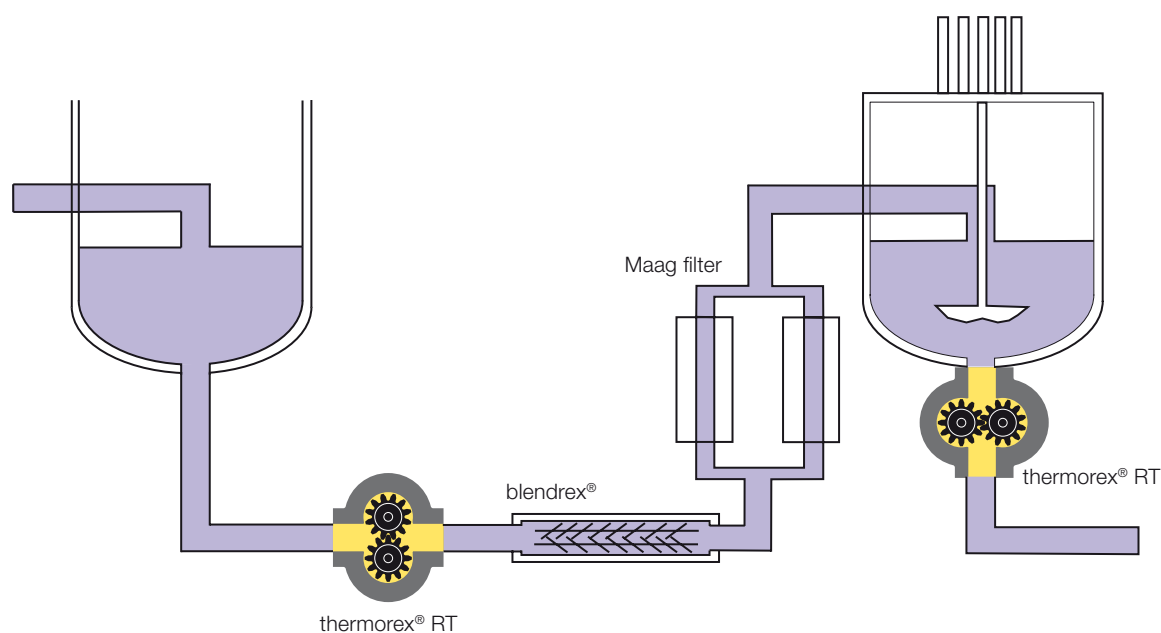
The maximum flow capacity and the maximum discharge pressure of the pump are dependant on the characteristics of the pumping medium to be pumped.

Pump size**	Spec. volume [cm ³ /rev]	Capacity** [m ³ /day]
56	92	20–73
70	176	40–120
90	371	62–250
110	720	85–500
140	1,493	150–750
180	3,200	375–900

* Higher viscosities upon request

** Larger pump sizes are available upon request. Flange connections in accordance with DIN or ANSI standards.

*** These data are reference values for polymer processes. Please contact Maag Pump Systems for your specific applications.

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