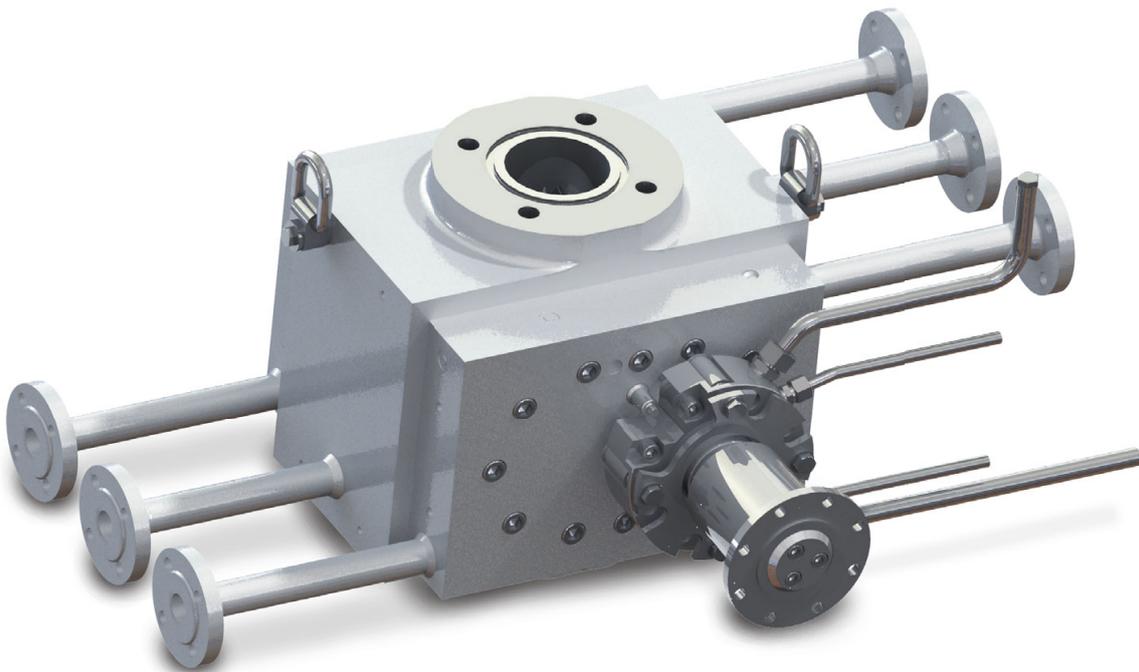


# thermorex<sup>®</sup> RT

Transfer pump for pre-polymers



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<sup>®</sup> RT eliminates the need for pressurized vessels/reactors. The high efficiency and long service life will enhance your production plant's capacity.

## Your benefits

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

# thermorex® RT

## Transfer pump for pre-polymers

### 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

\* 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.

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

### Technical specifications:

<b>Housing, cover:</b>	Stainless steel
<b>Gear shafts:</b>	Nitrided steel/tool steel
<b>Bearing:</b>	Tool steel/special materials
<b>Shaft seals:</b>	<ul style="list-style-type: none"> <li>■ Stuffing box for oligomer applications</li> <li>■ vispac®</li> <li>■ Single mechanical seal, heated</li> <li>■ Double mechanical seal with barrier system</li> <li>■ vislip®</li> <li>■ Magnetic coupling</li> </ul>
<b>Pump heating:</b>	With heat transfer medium max. 350°C, at max. 25 bar
<b>Installation:</b>	The thermorex® RT gear pump can be flanged directly as a transfer pump under the reactor or mounted in-line
<b>Viscosity*:</b>	To 60 Pas
<b>Temperature:</b>	To 350°C
<b>Suction side:</b>	Pumped media flow under vacuum or at an admission pressure to 10 bar
<b>Delivery side:</b>	Discharge pressure to 120 bar

### Pump size \*\*

Size	Spec. Volumen [cm³/rev]	Capacity*** [m³/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

