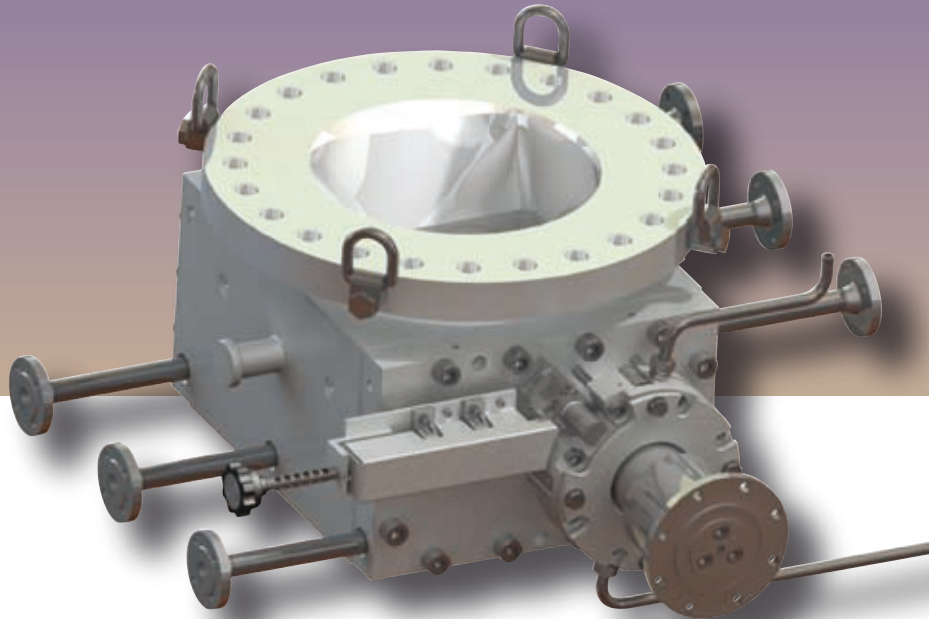


# viscorex®



## 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

## Dependable and gently discharging

Polymer processes require units that which gently discharge low and high-viscosity plastic melts from reactors and degassing equipment. Thanks to excellent fill behaviour and short residence times, the Maag Pump Systems viscorex® gear pump is the ideal solution for such applications. Its high efficiency and long service life will enhance the capacity and availability of your production line. viscorex® gear pumps efficiently convey plastic melts with a constant, precise flow..

Benefits of **viscorex®** gear pump:

- Excellent fill behaviour due to optimised inlet geometries
- Optimised flow channels
- Gentle treatment of polymer melts thanks to special gear teeth with low squeezing power
- High overall efficiency and hence minimised friction thanks to pioneering gear and bearing technology
- Low pulsation pumping even at high differential pressures
- Compact design

**Technical specifications:****Housing, cover:** Cast steel/corrosion resistant steel**Gear shafts:** Nitrided steel**Bearing:** Tool steel/special materials

**Shaft seals:**

- Single mechanical seal, heated
- Double mechanical seal
- vislip®
- vispac®
- viscoseal

**Pump heating:** with heat transfer medium 350 °C, max. 25 bar for >14" size (max. 7 bar for 10" and 14" sizes)**Installation:** The viscorex® gear pump can be flanged directly under the reactor.**Viscosity:** to 20,000 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 70 bar

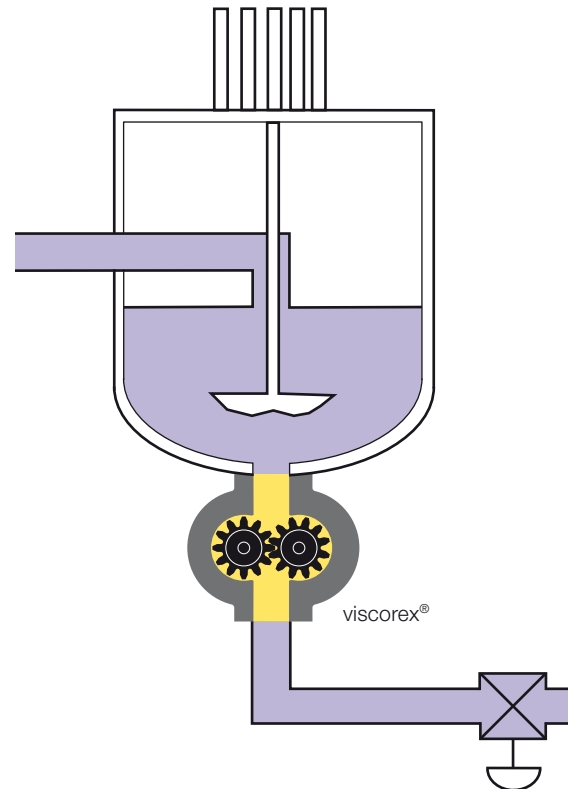
The maximum flow capacity and the maximum discharge pressure of the pump are dependant on the characteristics of the medium to be pumped.

Pump size*	Spec. volume [cm <sup>3</sup> /rev]	Capacity** [m <sup>3</sup> /day]
10"	3,170	86,5-420
12"	5,100	220-610
14"	7,900	350 -820
16"	13,700	450-1,100
20"	21,400	595-1,450
21"	29,009	721-1,771
23"	40,267	866-2,245
25"	54,036	1,000-2,728
29"	65,667	1,148-3,198
32"	89,458	1,420-4,091
36"	132,700	1,882-5,584

\* Larger pump sizes and in between 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.

Typical application:

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