



dosix™ 20 series

Corrosion-resistant dosing gear pumps
for chemical processes

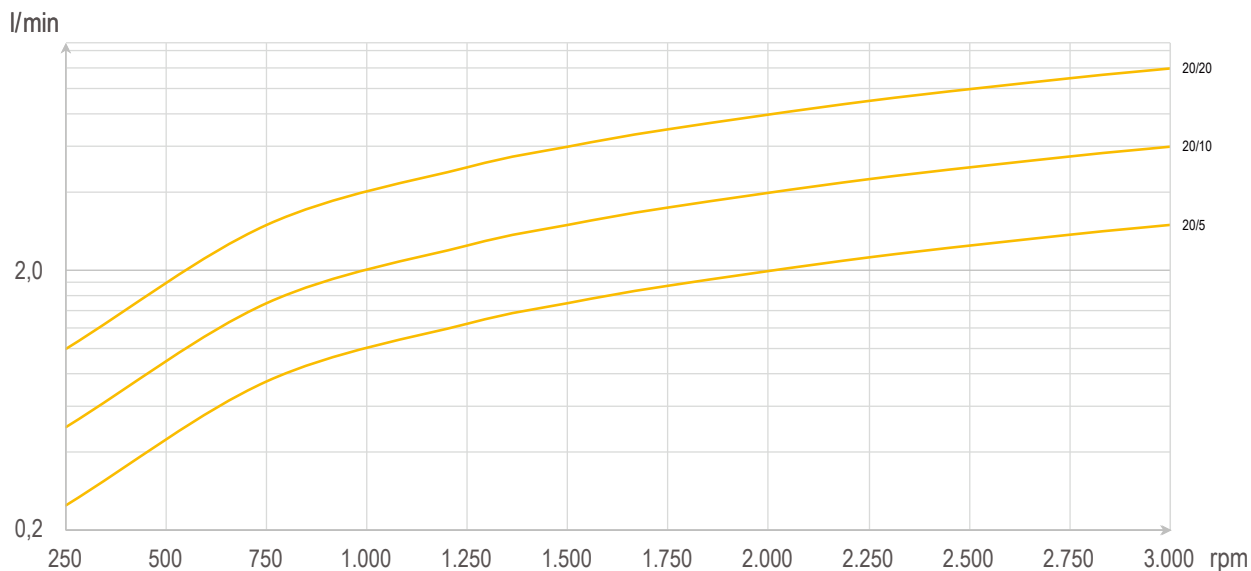


MAAG dosing gear pumps are corrosion-resistant and electrically heatable conveying units, especially designated for the small throughputs; their three-piece configuration facilitates maintenance and replacement of internal parts, such as gears and bearings. Thanks to the wide range of components and materials available, dosix™ pumps can be configured to suit customers specific requirements and therefore, are far superior to standard pumps in terms of performance and reliability.

Your benefits

- Wide viscosity, temperature and pressure range
- High efficiencies due to tolerances being modified in line with applications
- Precise displacement volume
- Low pulsation
- Corrosion-resistance
- Reliability and longevity
- Safety
- Easy replacement of internal parts
- Suitable for step-motors

dosix™ 20 flow rate @ 0 bar ΔP



Application limits:

Viscosity:	0.3 to 500,000 mPas
Temperature:	-30 to 320 °C
Suction pressure¹⁾:	Vacuum up to 25 bar
Discharge pressure:	Vacuum up to 100 bar
Flow rate:	From 0.1 to 12 l/min

Technical specifications:

Housing:	▪ Stainless steel
	▪ Hastelloy



Gear shafts:	▪ Stainless steel
	▪ Ferralium
	▪ Hastelloy
	▪ Ceramics
	▪ Technopolymer (upon request)
	▪ Titanium (upon request)



Bearing²⁾:	▪ Zirconium Oxide ZrO ₂
	▪ Synthetic carbon
	▪ Ceramic SiC
	▪ Tegodyn NiAg
	▪ Manganese Bronze



Shaft seal:	▪ Single or double mechanical seal
	▪ Packing seal
	▪ Magnetic coupling with single or double containment shell



Connections:	▪ SAE, CETOP, DIN and ANSI flanges
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Heating:	▪ Electrical heating by cartridges on request
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A range of typical pumping media

- Organic and inorganic chemicals
- Solvents
- Acids and alkalis
- Additives
- Cosmetic products
- Pharmaceutical products
- Food extracts and flavourings

Accessories

- Stands, motor flanges and base plates
- Product flange connections
- Couplings
- Motors and gear reducers
- Frequency converters

Certificates³⁾

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

Options

- Bi-directional operation
- Special modifications for demanding applications
- Customizable

¹⁾ With special mag drive up to 100 bar.

²⁾ Other materials and designs available.

³⁾ Other certificates and conformities upon request.

