

PUMP & FILTRATION SYSTEMS ›



dosix™

Corrosion-resistant dosing pumps
for chemical processes

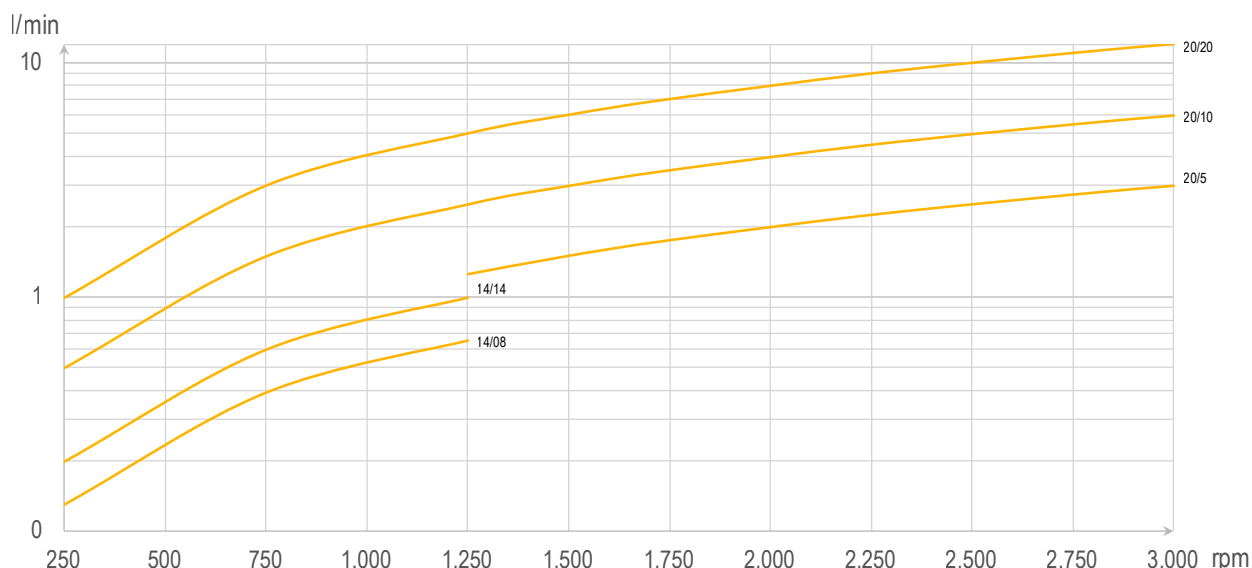


MAAG dosing gear pumps are corrosion-resistant and electrically heatable conveying units, especially designated for the small throughputs; their three-piece configuration facilitates maintenance and replacement of internal parts, such as gears and bearings. Thanks to the wide range of components and 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™ 14-20 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 rate²⁾:	From 0.05 to 12 l/min

Technical specifications:

Housing:	<ul style="list-style-type: none"> Stainless steel Hastelloy
-----------------	--



Gear shafts:	<ul style="list-style-type: none"> Stainless steel Ferralium Hastelloy Ceramics Technopolymer (upon request) Titanium (upon request)
---------------------	--



Bearing³⁾:	<ul style="list-style-type: none"> Zirconium Oxide ZrO₂ Synthetic carbon Ceramic SSiC Tegodyn NiAg Manganese Bronze
------------------------------	---



Shaft seal:	<ul style="list-style-type: none"> Single or double mechanical seal Lip seal and packing seal Magnetic coupling with single or double containment shell
--------------------	--



Connections:	<ul style="list-style-type: none"> SAE, CETOP, DIN and ANSI flanges
---------------------	--

Heating:	<ul style="list-style-type: none"> Electrical heating by cartridges on request
-----------------	---

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

Certificates⁴⁾

- ATEX certificate
- 3.1 certificate
- Performance test certificates

Options

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

¹⁾ With special mag drive up to 100 bar.

²⁾ Under development; smaller pumps with flow rate down to 0.02 l/min.

³⁾ Other materials and designs available.

⁴⁾ Other certificates and conformities upon request.