

PUMP & FILTRATION SYSTEMS >



## dosix™

Corrosion-resistant dosing pumps  
for chemical processes

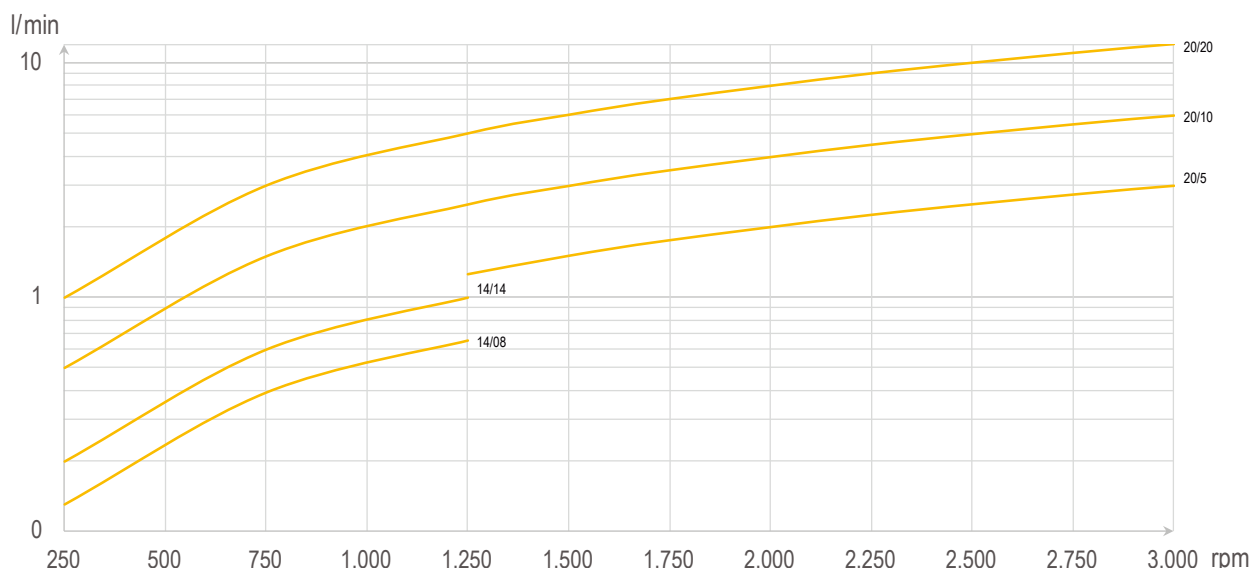


MAAG dosing gear pumps are corrosion-resistant and electrically heatable conveying units, especially designated for the small throughputs; their three-piece configuration facilitates maintenance and replacement of internal parts, such as gears and bearings. Thanks to the wide range of components and 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:

<b>Viscosity:</b>	0.3 to 500,000 mPas
<b>Temperature:</b>	-30 to 320 °C
<b>Suction pressure<sup>1)</sup>:</b>	Vacuum up to 25 bar
<b>Discharge pressure:</b>	Vacuum up to 100 bar
<b>Flow rate<sup>2)</sup>:</b>	From 0.05 to 12 l/min

### Technical specifications:

<b>Housing:</b>	<ul style="list-style-type: none"> <li>Stainless steel</li> <li>Hastelloy</li> </ul>
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<b>Gear shafts:</b>	<ul style="list-style-type: none"> <li>Stainless steel</li> <li>Ferralium</li> <li>Hastelloy</li> <li>Ceramics</li> <li>Technopolymer (upon request)</li> <li>Titanium (upon request)</li> </ul>
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<b>Bearing<sup>3)</sup>:</b>	<ul style="list-style-type: none"> <li>Zirconium Oxide ZrO<sub>2</sub></li> <li>Synthetic carbon</li> <li>Ceramic SiC</li> <li>Tegodyn NiAg</li> <li>Manganese Bronze</li> </ul>
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<b>Shaft seal:</b>	<ul style="list-style-type: none"> <li>Single or double mechanical seal</li> <li>Lip seal and packing seal</li> <li>Magnetic coupling with single or double containment shell</li> </ul>
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<b>Connections:</b>	<ul style="list-style-type: none"> <li>SAE, CETOP, DIN and ANSI flanges</li> </ul>
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<b>Heating:</b>	<ul style="list-style-type: none"> <li>Electrical heating by cartridges on request</li> </ul>
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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

### Certificates<sup>4)</sup>

- ATEX certificate
- 3.1 certificate
- Performance test certificates

### Options

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

<sup>1)</sup> With special mag drive up to 100 bar.

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

<sup>3)</sup> Other materials and designs available.

<sup>4)</sup> Other certificates and conformities upon request.

