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.

**dosix™**
Corrosion-resistant dosing pumps for chemical processes

**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
**Technical specifications:**

**Housing:**
- Stainless steel
- Hastelloy

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

**Bearing:**
- Zirconium Oxide ZrO₂
- Synthetic carbon
- Ceramic SSIC
- Tegodyn NiAg
- Manganese Bronze

**Shaft seal:**
- Single or double mechanical seal
- Lip seal and packing seal
- Magnetic coupling with single or double containment shell

**Connections:**
- SAE, CETOP, DIN and ANSI flanges

**Heating:**
- Electrical heating by cartridges on request

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**Application limits:**

**Viscosity:** 0.3 to 500,000 mPas

**Temperature:** -30 to 320 °C

**Suction pressure:** Vacuum up to 25 bar

**Discharge pressure:** Vacuum up to 100 bar

**Flow rate:** From 0.05 to 12 l/min

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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**
- ATEX certificate
- 3.1 certificate
- Performance test certificates

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

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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.