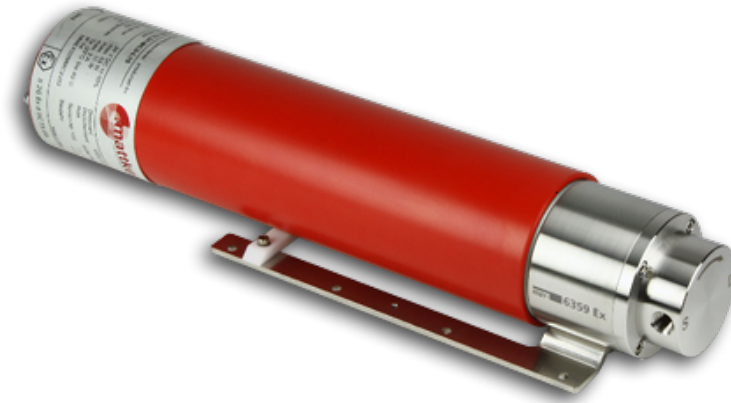


Product information

mzr-6359X2 Ex · Ex-versions



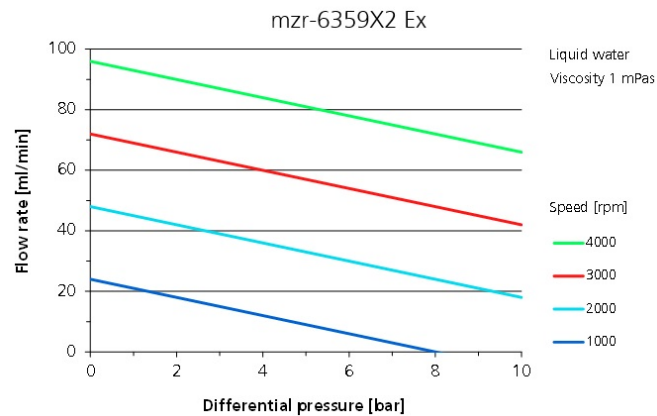
Description

The micro annular gear pump mzr-6359X2 Ex of the hermetic inert pump series in its explosion proof version is used for highly precise, low pulsation small volume dosage even of aggressive and corrosive liquids. The compact design combined with high achievable pressures are unique features. The pumps are applied in the field of chemical and process technology. Thanks to the use of rotors and functional elements being made of ceramics, a magnetic coupling, and case components made out of alloy C22, this pump will take up any challenge in the chemical industry applications.

Advantages

- Ex-certification ATEX conform with EU Directive 2014/34/EU
- Precision motor and sophisticated control ATEX DC-servomotor with integrated microcontroller
- Compact, chemically inert length 354 mm, alloy C22, SSiC, Al₂O₃ and ZrO₂ ceramics
- Hermetically sealed magnetic coupling (NdFeB)
- High dosage precision precision CV < 1 % at low volumes
- Low pulsation delivery, low shear stress rotary micro annular gear technology, no valves

Flow charts



Patents and trademarks

Micro annular gear pumps (and housings) are protected by assigned patents: EP 1 354 135 B1; US 7,698,818 B2; DE 10 2011 001 041 B4; CN 103 348 141 B; US 10,012,220 B2; CN 103 732 921 B; US 9,404,492 B2; US 6,520,757 B1. HNP M[®], mzr[®], MoDoS[®], μ -Clamp[®], μ Dispense[®], Centifluidic Technologies[®], LiquiDoS[®], smartDoS[®], ColorDoS[®] are registered German trademarks of HNP Mikrosysteme GmbH.

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