ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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with experienced engineers and technicians on staff.

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Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

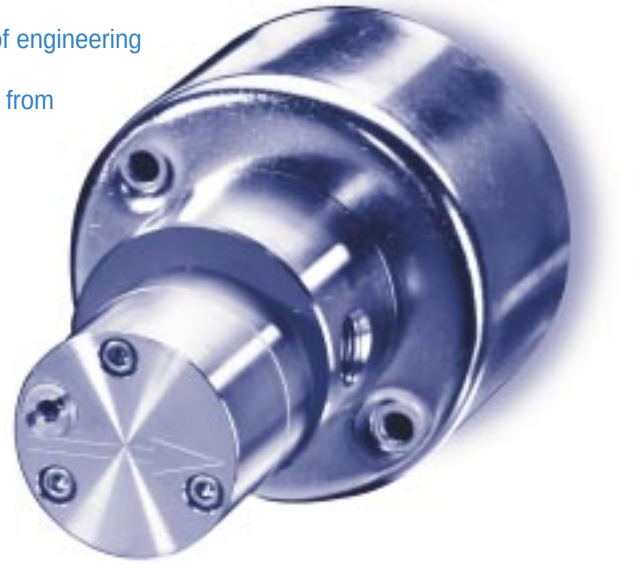
Expert team | Trust guarantee | 100% satisfaction

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Find the *SciLog Tandem Expert 1081* at our website: *Click HERE*

SERIES 120

Magnetic Drive Gear Pump



Series 120 Backed by a tradition of engineering and technological expertise, the Series 120 from Micropump delivers exceptional pumping performance for any high precision application. These compact, magnetically driven gear pumps feature a cavity style design with Teflon® seals to ensure leak-free performance. With benefits like chemical resistance and smooth, pulseless delivery, Series 120 pumps are available with a wide range of options, as well as in standard and OEM configurations.

Small Size

The miniature package size of the Series 120 delivers performance that is usually found only in much larger pumps.

Leak-Free

The magnetic drive and Teflon seals keep the fluid securely inside the pump and potential contaminants out.

Smooth Pulseless Delivery

Positive displacement, helical gears provide smooth, accurate fluid delivery that is proportional to motor speed.

Chemically Resistant

An extensive range of wetted material options ensure compatibility with a wide range of chemicals.

Easy to Service

Series 120 pumps are easy to service using a Micropump service kit and simple hand tools.

Wide Range of Options

Product design offers the flexibility to configure the product to your specific needs. Some options include:

- Three standard gear sizes
- Multiple gear and body materials
- Optional internal bypass
- Optional high torque magnets
- Side or deck port configurations
- NEMA, IEC, and Micropump drive mounts

Advanced Pump Technology

Micropump uses the latest engineering tools and manufacturing equipment to produce the most advanced pumping solutions available. Products are developed using state-of-the-art CAD, Finite Element Analysis (FEA), and rapid prototyping tools. Precision CMM and CNC manufacturing equipment ensure the highest level of product quality.

Proven Reliability

Nearly 40 years of experience solving the most difficult pumping problems go into the design and manufacture of every Micropump pump, ensuring the most reliable pumping solution available.

OEM Configurations

Series 120 pumps can be customized to meet your individual requirements.

MICROPUMP

IDEX CORPORATION

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SERIES 120

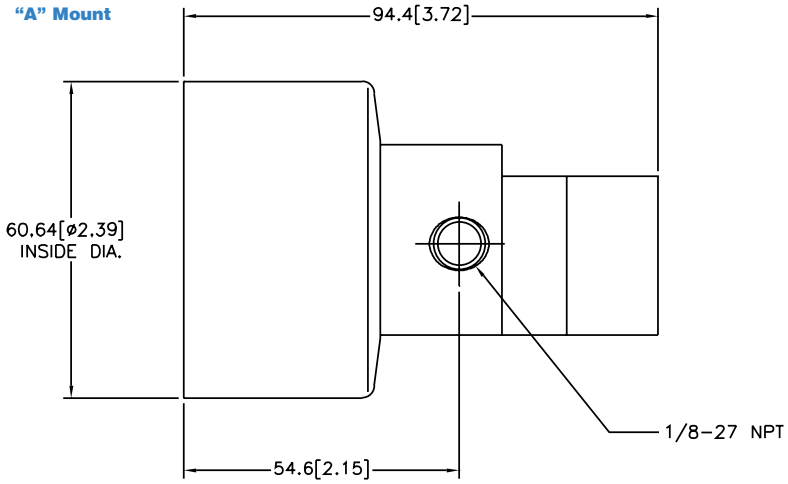
Magnetic Drive Gear Pump

Performance Summary

Flow Rate at 3450 rpm			
3.2 L/min			0.85 gpm
Displacement (ml/rev)			
Gear Set	N21	N23	N25
ml/rev	0.316	0.64	0.91
Maximum Differential Pressure			
5.6 Bar			80 psi
Maximum System Pressure			
21 Bar			300 psi
Temperature Range			
-46 to 121° C			-50 to 250° F
Viscosity Range			Maximum Speed
0.2 to 1500 cps			10,000 rpm

Dimensions

"A" Mount



Units: mm[in]. Nominal dimensions shown.

Pump Construction

- Magnetic drive gear pump
- Cavity style
- Two helical, shafted gears
- Sleeve bushings
- Teflon® gaskets and seals

Wetted Materials

- Base material
  - 316 stainless steel
  - Alloy 20
  - Titanium
  - Hastelloy C-276®
  - Hastelloy B-2®
- Gears
  - PEEK
  - Ryton® (PPS)
  - Teflon
- Static seals
  - Teflon

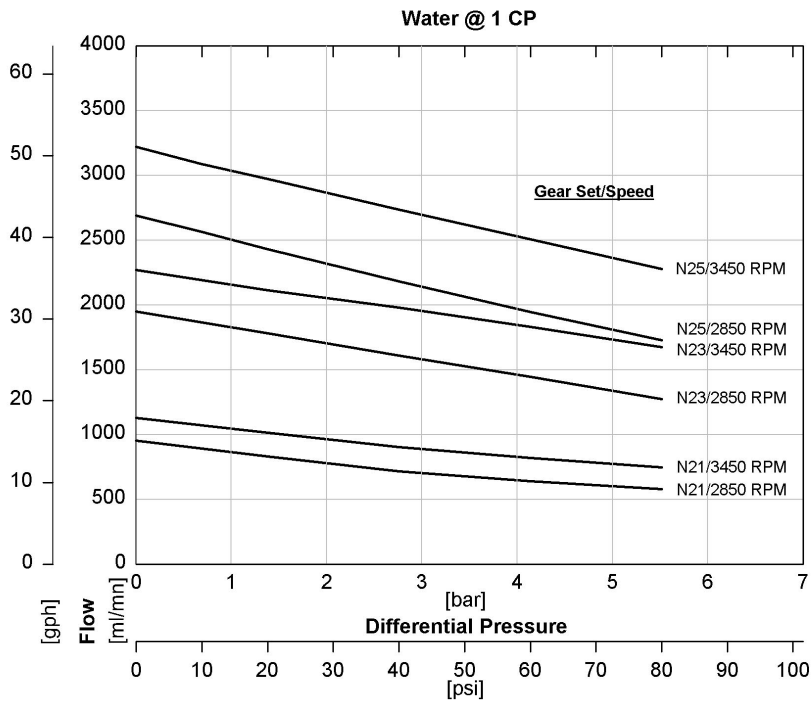
Magnets

- Driven and driving
  - Ferrite
  - Rare earth

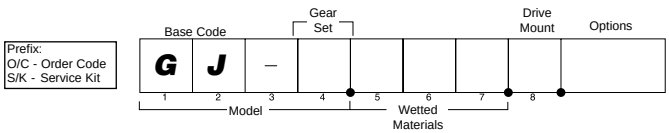
Product Enhancements

- Internal bypass
- Deck ports
- Tri-clamp fittings
- Carbon bushings

Pump Performance



Order Code



ACTUAL PERFORMANCE MAY VARY

Specifications are subject to change without notice.

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TT2746MPV-05/2001

MICROPUMP, INC.
A Unit of IDEX Corporation
Phone: (360) 253-2008 • (800) 671-6269
Fax: (360) 253-2401 • (800) 222-9565

MICROPUMP LIMITED
A Subsidiary of Micropump, Inc.
Phone: + 44 (0) 1480 356900
Fax: + 44 (0) 1480 356920

info@micropump.com
www.micropump.com

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