

# ARO<sup>®</sup>

# *LUBETECH*

**1000 SERIES PRODUCT FAMILY BROCHURE**  
HIGHLY RELIABLE CIRCULATION SOLUTIONS  
LUBRICATION AND TRANSFER PUMPS

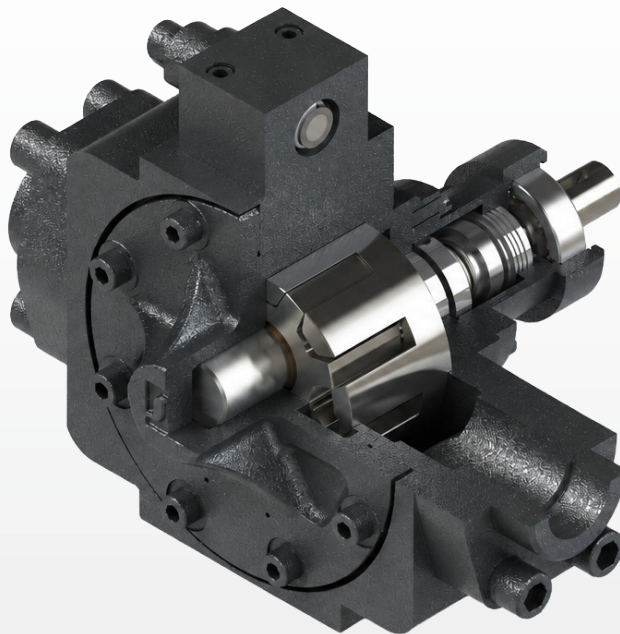


# INNOVATIVE SUCCESS

...Leveraging over 125 years of engineering experience

The 1000 Series was originally built to meet and exceed the challenging requirements of the refrigeration compressor market, but quickly found success in other industries and applications. Over the years, this family of internal gear pumps has been continuously improved to satisfy our customers' ever-changing requirements through a wide range of applications.

## 1000 SERIES PUMPS



### DURABILITY

- Cast-iron construction
- Single-piece steel rotor assemblies
- Exceptional life

### PERFORMANCE

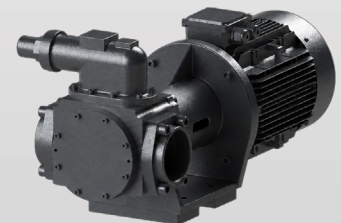
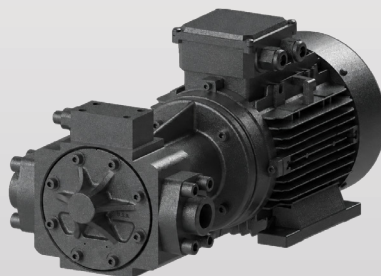
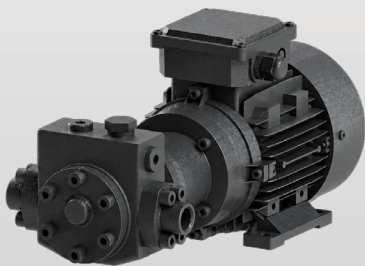
- Precision machining and grinding
- Minimal running clearances
- Consistent flow and high differential pressures

### CONFIGURABLE

- Mounting, driving, and sealing options
- Bushing and bearing options including twin bearing design
- Variety of bolt-on porting solutions available to meet customer requirements

## COMPACT & RATED TO MOTOR SPEED

1000 Series pumps have a variety of drive options, including Frame (OEM), NEMA C-face, and IEC flanged.



# 1000 SERIES



FLOWRATE AT 1450 RPM

| MODEL | GPM @ 50HZ | LPM @ 50HZ |
|-------|------------|------------|
| 1010  | 4.6        | 17.3       |
| 1012  | 7.5        | 28         |
| 1014  | 10.8       | 41         |
| 1015  | 15         | 57         |
| 1017  | 30         | 113        |
| 1020  | 50         | 189        |
| 1022  | 70         | 265        |
| 1024  | 155        | 590        |



FLOWRATE AT 1750 RPM

| MODEL | GPM @ 60HZ | LPM @ 60HZ |
|-------|------------|------------|
| 1010  | 5.5        | 20.8       |
| 1012  | 9          | 34         |
| 1014  | 13         | 49         |
| 1015  | 18         | 68         |
| 1017  | 36         | 136        |
| 1020  | 60         | 227        |
| 1022  | 84         | 318        |
| 1024  | 190        | 719        |

**Durable:** Cast iron, internal gear construction

**Compact:** Suitable for mounting to motors via adapter or direct mounting to OEM machinery such as transmissions or compressors.

*Available with internal relief valve and reversing feature.  
Multiple sealing options available.*

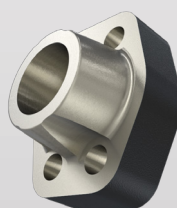
- *Differential Pressures to 18 BAR (261 PSI)*
- *Temperatures to 200°C (392°F)*
- *Viscosities to 2,000 CST (9,400 SSU)*
- *Seals available for system pressure 55 BAR (798 PSI)*

## PORTING

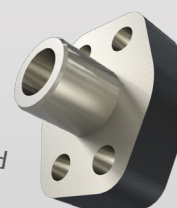
The 1000 Series pumps are fitted with SAE/DIN flanged ports which enable various port options. We have the ability to build your pump with threaded, butt weld, socket weld ports, or a blank flange. The blank flange can be tapped to your specific requirement.



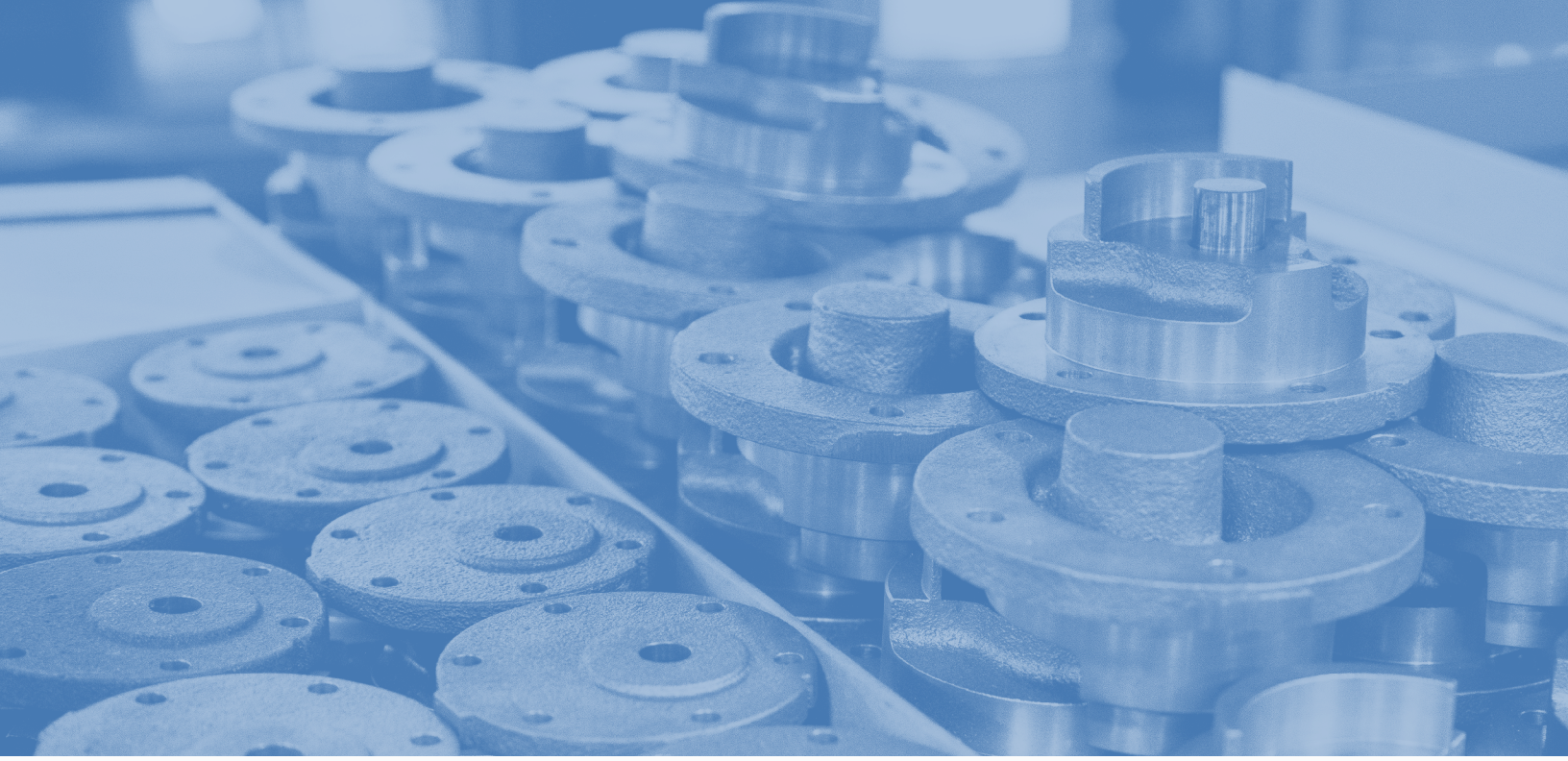
Threaded



Socket Weld



Butt Weld



## INDUSTRIES AND APPLICATIONS

- Air Compressors & Pumping Equipment
- Diesel Fuel
- Energy & Power
- Fluid Transfer
- Fuel Oils
- Gear Box & Power Transmission
- Glycols & Coolants
- Heavy Machinery & Equipment
- Natural Gas Compressors
- Oil & Gas
- Refrigeration & AC Compressors



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- Engineering Data Packs With Dimensions and Design Information
- Pump Guru - Pump Selection Software - Configure, Price, and Quote the Right Pumps to Meet Your Application Needs
- White Papers
- Product Spotlights and More