



124A SERIES™, 4124A SERIES™, 4124B SERIES™, 324A SERIES™, 4324A SERIES™

CAST IRON CONSTRUCTION | UNIVERSAL PRODUCT LINE



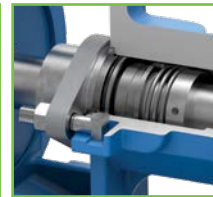
FEATURES & BENEFITS

- Rugged and reliable, yet economical
- Widest range of sizes and options available to suit almost any non-corrosive application
- Tightest clearances for high efficiency and excellent priming capability

Seal chamber accepts packing and a variety of component and cartridge style mechanical and lip seals, in both single and double mechanical seal configurations; behind the rotor seal (4124B Series™) option also available



Behind the Rotor Seal



Component Seal

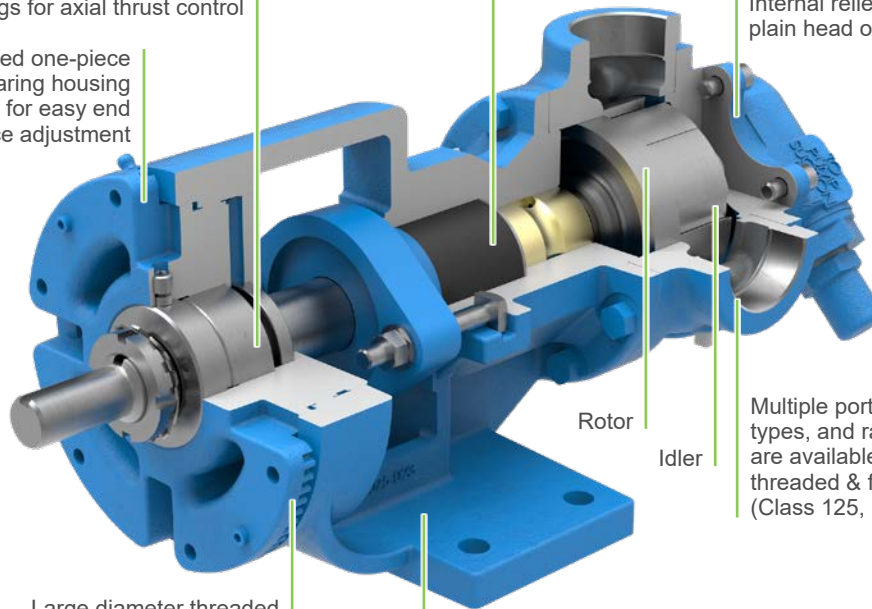


Cartridge Seal

Double row ball or tapered roller bearings for axial thrust control

Threaded one-piece bearing housing allows for easy end clearance adjustment

Internal relief valve standard*, plain head optional



Rotor

Idler

Multiple port sizes, types, and ratings are available including threaded & flanged (Class 125, Class 250)

HL124A
Shown with Packing

Large diameter threaded bearing housing allows easy removal of cartridge seals (not 4124B Series™)

One-piece cast bracket with seal between bearings provides rigid foundation to maximize seal and bearing life (not 4124B Series™)



CAPACITY
to 1,600 GPM
(363 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



VISCOSITY
28 to 2,000,000 SSU
(0.1 to 440,000 cSt)



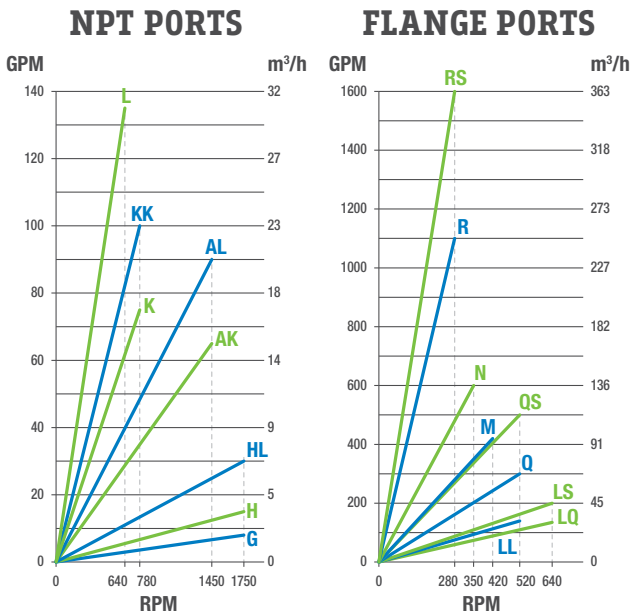
TEMPERATURE
-60°F to +650°F
(-50°C to +345°C)

PERFORMANCE

| MODELS | | | SPECIFICATIONS | | | | | |
|---------------|-----------------|-----------------------|----------------|------|-------------------|----------------|--------|--|
| Non-Jacketed* | | | Performance | | | Standard Ports | | |
| Packed Gland | Mechanical Seal | Behind the Rotor Seal | Max Speed, RPM | GPM | m ³ /h | Size, Inches | Type | |
| G124A | G4124A | G4124B | 1750 | 8 | 1.5 | 1 | NPT | |
| H124A | H4124A | H4124B | 1750 | 15 | 3.5 | 1.5 | NPT | |
| HL124A | HL4124A | HL4124B | 1750 | 30 | 7 | 1.5 | NPT | |
| AK124A | AK4124A | AK4124B | 1450 | 65 | 15 | 2 | NPT | |
| AL124A | AL4124A | — | 1450 | 90 | 20 | 2 | NPT | |
| K124A | K4124A | K4124B | 780 | 80 | 18 | 2 | NPT | |
| KK124A | KK4124A | KK4124B | 780 | 100 | 23 | 2 | NPT | |
| L124A | L4124A | L4124B | 640 | 135 | 31 | 2 | NPT | |
| LQ124A | LQ4124A | LQ4124B | 640 | 135 | 31 | 2.5 | Flange | |
| LL124A | LL4124A | LL4124B | 520 | 140 | 32 | 3 | Flange | |
| LS124A | LS4124A | LS4124B | 640 | 200 | 45 | 3 | Flange | |
| Q124A | Q4124A | Q4124B | 520 | 300 | 68 | 4 | Flange | |
| QS124A | QS4124A | QS4124B | 520 | 500 | 114 | 6 | Flange | |
| M124A | M4124A | — | 420 | 420 | 95 | 4 | Flange | |
| N324A | N4324A | — | 350 | 600 | 136 | 6 | Flange | |
| R324A | R4324A | — | 280 | 1100 | 250 | 8 | Flange | |
| RS324A | RS4324A | — | 280 | 1600 | 363 | 10 | Flange | |

*324A Series™ and 4324A Series™ include jacketed parts as standard.

CURVES



PORTING

- Right Angle (90°) (Rotatable Casing), G-Q & M
- Opposite (180°), QS-RS
- NPT
- Flanged (ANSI)

SEALING

- Packing
- Behind the Rotor Seal
- Component Mechanical Seal
- Cartridge Mechanical Seal
- Cartridge Triple Lip Seal

MOUNTING

- Foot Mount

OPTIONS

- Jacketing (Series 224A, 4224A)
- Ductile Iron (Series 126A, 4126A)

DRIVES

- Ⓡ Offset Gear Reducer Drive
- Ⓟ Purchased Gear Reducer Drive
- ⓓ Direct-Mounted Drive, H-AL
- Ⓥ V-Belt Drive



HL124A D Drive)

TYPICAL APPLICATIONS

- Adhesives
- Asphalt & Bitumens
- Paints & Inks
- Polymers
- Resins
- Chocolate
- Peanut Butter
- Molasses
- Refined Fuels
- Edible Oils
- Non-Corrosive Chemicals



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