

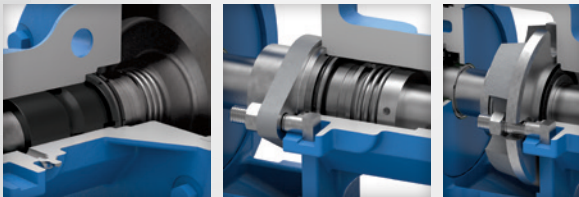
# UNIVERSAL PRODUCT LINE

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

CAST IRON CONSTRUCTION

## 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



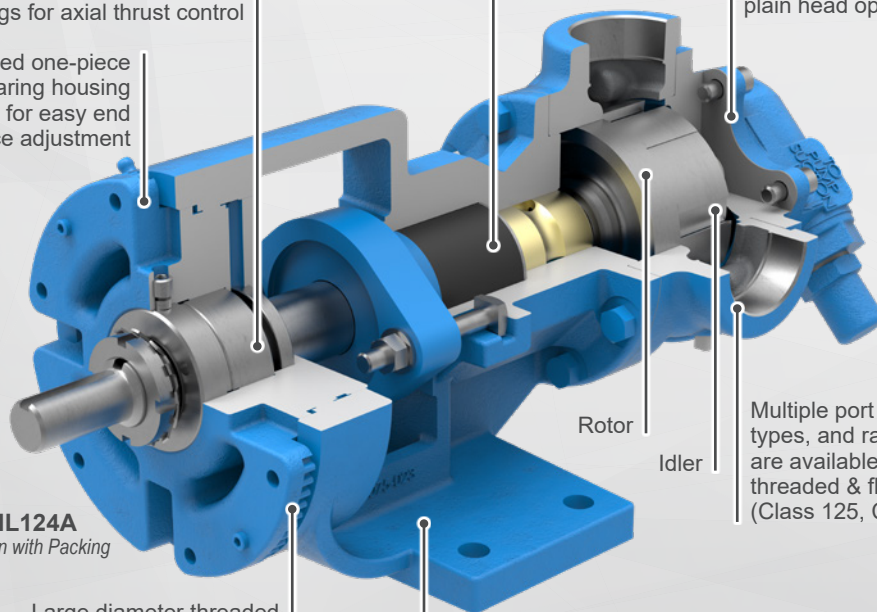
Behind the Rotor Seal      Component Seal      Cartridge Seal

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) option also available

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)

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



### CAPACITY

to 1,600 GPM  
(363 m<sup>3</sup>/h)



### PRESSURE

to 200 PSI  
(14 BAR)



### TEMPERATURE

-60°F to +650°F  
(-50°C to +345°C)



### VISCOSITY

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



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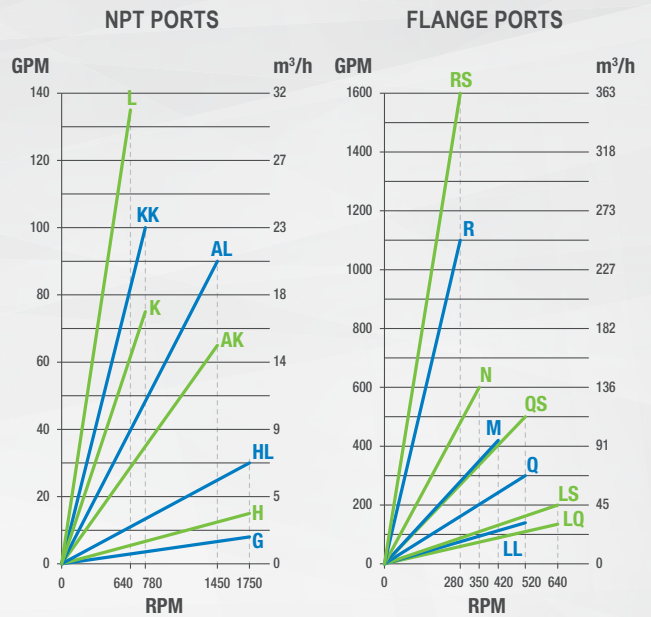
\* RS size is standard with jacketed head, no valve.

# PERFORMANCE

| MODELS        |                 |                       | SPECIFICATIONS |      |                   |                |        |
|---------------|-----------------|-----------------------|----------------|------|-------------------|----------------|--------|
| Non-Jacketed* |                 |                       | Performance    |      |                   | Standard Ports |        |
| Packed Gland  | Mechanical Seal | Behind the Rotor Seal | Max Speed, RPM | GPM  | m <sup>3</sup> /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 |

\*Series 324A and 4324A 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

## TYPICAL APPLICATIONS

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



# VIKING PUMP®

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