

1224A SERIES™, 1324A SERIES™

CAST IRON CONSTRUCTION | UNIVERSAL PRODUCT LINE

ABOUT O-PRO®

Viking Pump® is the leader in internal gear innovation and the latest development is the O-Pro® seal technology. This new series benefits from the enhancement of our own factory engineered and installed seal. This technology features a robust seal and lubrication chamber, all in one.

FEATURES & BENEFITS

- Rugged design provides superior performance in many markets
- Tight clearances offer high efficiency and excellent priming capabilities
- O-Pro® Barrier combines reliable sealing with easy maintenance
- Integral jacket chambers in the bracket and head maintain even temperature for constant, efficient heating

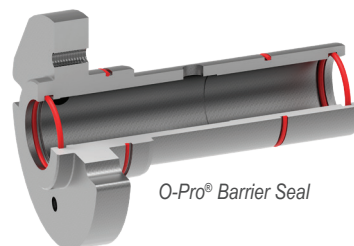


Threaded one-piece bearing housing allows for easy end clearance adjustment and seal removal

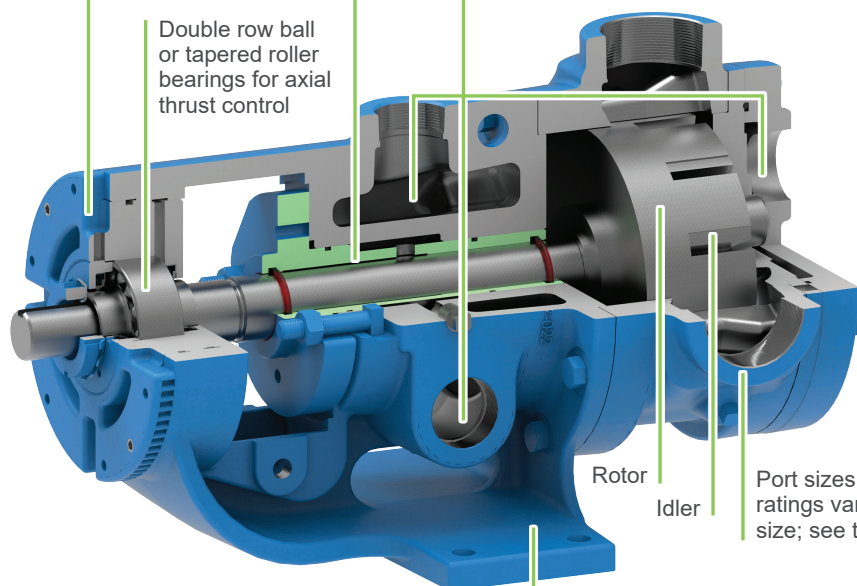
Double row ball or tapered roller bearings for axial thrust control

O-Pro® Barrier is a single piece seal that replaces both the bracket bushing and seal

Jacketing for steam, hot oil, or water circulation to maintain a constant temperature



O-Pro® Barrier Seal



Rotor

Idler

Port sizes, types, and ratings vary by pump size; see table on back

KK1224A

Shown with O-Pro® Barrier Seal

One-piece cast bracket with seal between bearings provides rigid foundation to maximize seal and bearing life



CAPACITY
to 1,500 GPM
(340 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



VISCOSITY*
100 to 2,000,000 SSU
(20 to 440,000 cSt)



TEMPERATURE*
0°F to +350°F
(-15°C to +175°C)

* Range may increase with end clearance adjustment

PERFORMANCE

| MODELS | SPECIFICATIONS | | | | | |
|---------------------|----------------|-------|------|----------------|--------|-------------|
| Jacketed | Performance | | | Standard Ports | | |
| O-Pro™ Barrier Seal | Max Speed, RPM | GPM | m³/h | Size, Inches | Type | Orientation |
| H1224A | 1000 | 8 | 1.8 | 1.5 | NPT | Right Angle |
| HL1224A | 1000 | 18 | 4 | 1.5 | NPT | Right Angle |
| K1224A | 780 | 80 | 18 | 2 | NPT | Right Angle |
| KK1224A | 780 | 100 | 23 | 2 | NPT | Right Angle |
| L1224A | 640 | 135 | 31 | 2 | NPT | Right Angle |
| LQ1224A | 640 | 135 | 31 | 2.5 | Flange | Right Angle |
| LL1224A | 520 | 140 | 32 | 3 | Flange | Right Angle |
| LS1224A | 640 | 200 | 45 | 3 | Flange | Right Angle |
| Q1224A | 470 | 275 | 62 | 4 | Flange | Right Angle |
| QS1224A | 470 | 400 | 91 | 6 | Flange | Opposite |
| N1324A | 330 | 535 | 122 | 6 | Flange | Opposite |
| R1324A | 260 | 1,000 | 227 | 8 | Flange | Opposite |
| RS1324A | 260 | 1,500 | 340 | 10 | Flange | Opposite |

*1324A Series™ includes jacketed parts as standard.

PORTING

- Right Angle (90°) (Rotatable Casing), H-Q
- Opposite (180°), QS-RS
- NPT / BSP
- Flanged (ANSI)

SEALING

- O-Pro® Barrier Seal

MOUNTING

- Foot Mount

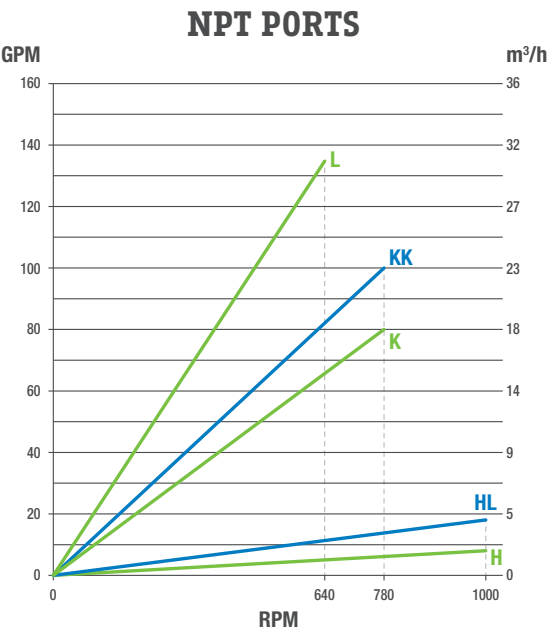
OPTIONS

- Non-Jacketed (1124A Series™)
- Stainless Steel (1227A Series™ and 1327A Series™)

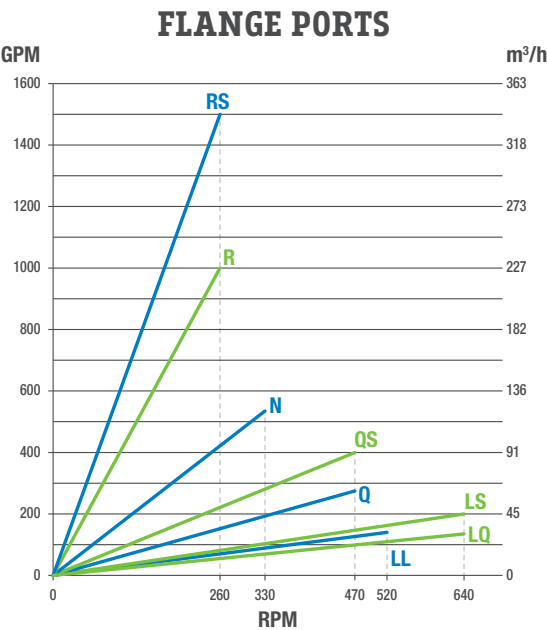
TYPICAL APPLICATIONS

- Adhesives
- Polymers
- Liquid Sugars
- Asphalt & Bitumens
- Resins
- Refined Fuels
- Chocolate
- Edible Oils

CURVES



Note: O-Pro® Barrier Seal is patented.



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VIKING PUMP®

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