

# UNIVERSAL PRODUCT LINE

SERIES: 1224A, 1224AE, 1324A

CAST IRON CONSTRUCTION

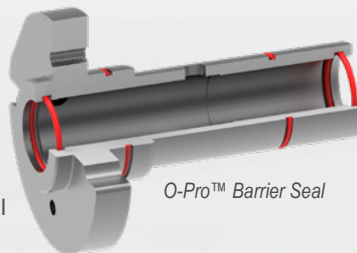
## ABOUT O-PRO™

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



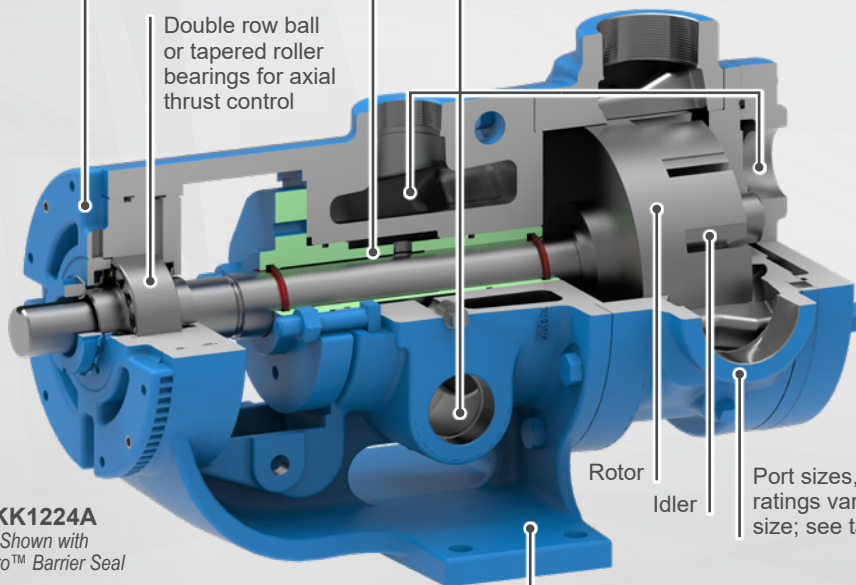
O-Pro™ Barrier is a single piece seal that replaces both the bracket bushing and seal

O-Pro™ Barrier Seal

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

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



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

# VIKING PUMP®



**CAPACITY**  
to 1,500 GPM  
(340 m³/h)



**PRESSURE**  
to 200 PSI  
(14 BAR)



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



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

\* Range may increase with  
end clearance adjustment



## PERFORMANCE

MODELS	SPECIFICATIONS					
Non-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
L1224AE	640	135	31	2	NPT	Right Angle
LQ1224A	640	135	31	2.5	Flange	Right Angle
LQ1224AE	640	135	31	2.5	Flange	Right Angle
LL1224A	520	140	32	3	Flange	Right Angle
LL1224AE	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

\*Series 1324A 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

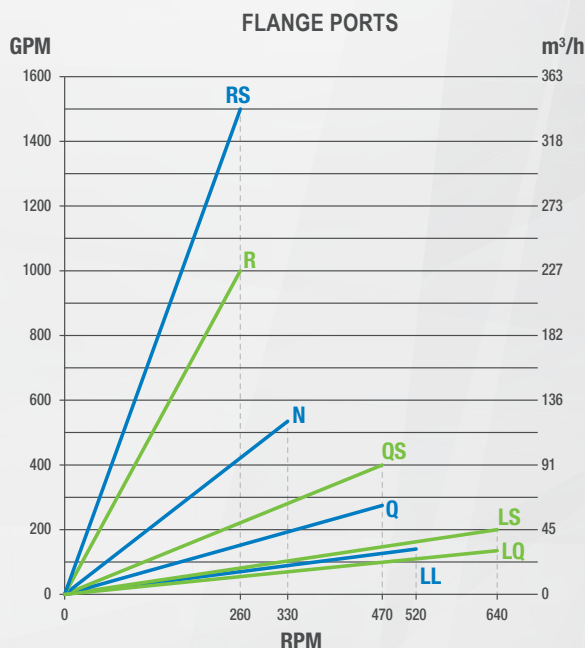
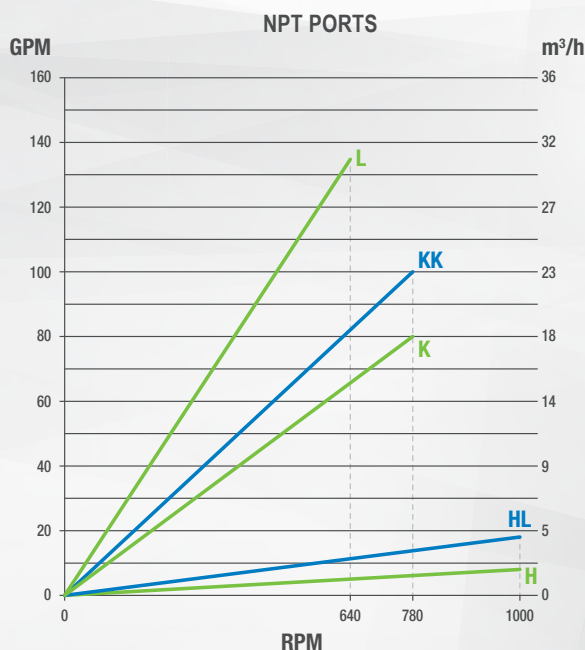
## OPTIONS

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

## TYPICAL APPLICATIONS

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

## CURVES



# VIKING PUMP®

**VIKING PUMP, INC.**

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**IDEX**

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