

UNIVERSAL PRODUCT LINE

SERIES: 1224A, 1224AE, 1324A

CAST IRON CONSTRUCTION

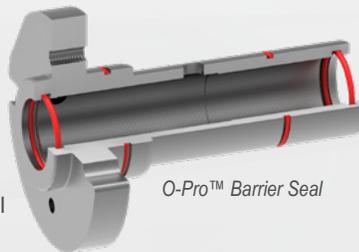
ABOUT O-PRO™

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 Seal

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

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

Double row ball or tapered roller bearings for axial thrust control

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

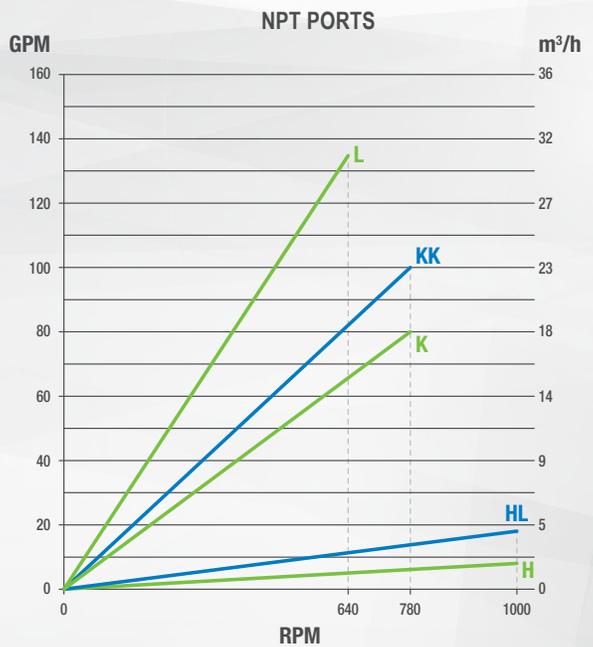


PERFORMANCE

MODELS	SPECIFICATIONS					
Non-Jacketed*	Performance			Standard Ports		
O-Pro™ Barrier Seal	Max Speed,			Size,		
	RPM	GPM	m³/h	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.

CURVES



PORTING

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

MOUNTING

- Foot Mount

SEALING

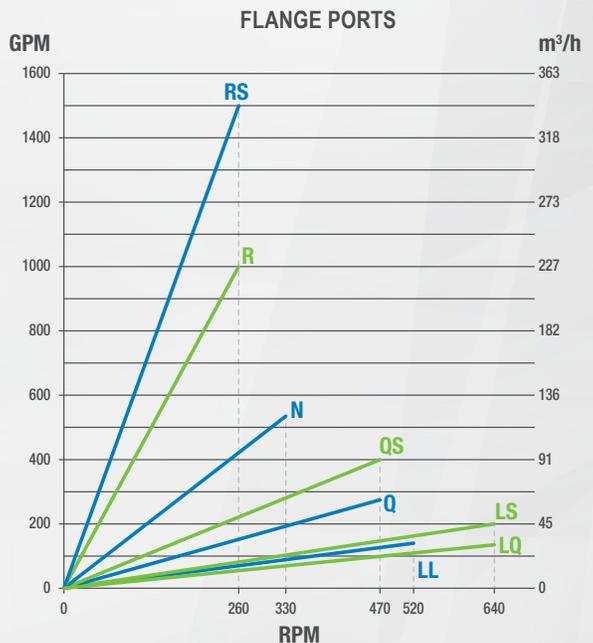
- O-Pro™ Barrier Seal

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



VIKING PUMP®

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