



1124A-BXB SERIES™ & 1224A-BXB SERIES™

CAST IRON CONSTRUCTION | STARCH ADHESIVE & HOT WAX

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

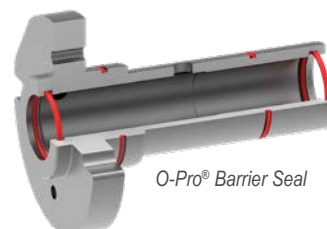
- Proven design provides superior performance in starch adhesive and liquid wax applications
- Specifically designed to meet process conditions of boxboard (BxB) applications
- O-Pro® Barrier combines reliable sealing with minimal maintenance
- O-Pro® Barrier seal can withstand pressure spikes that damage mechanical and lip seal components, resulting in reduced downtime and repair costs



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

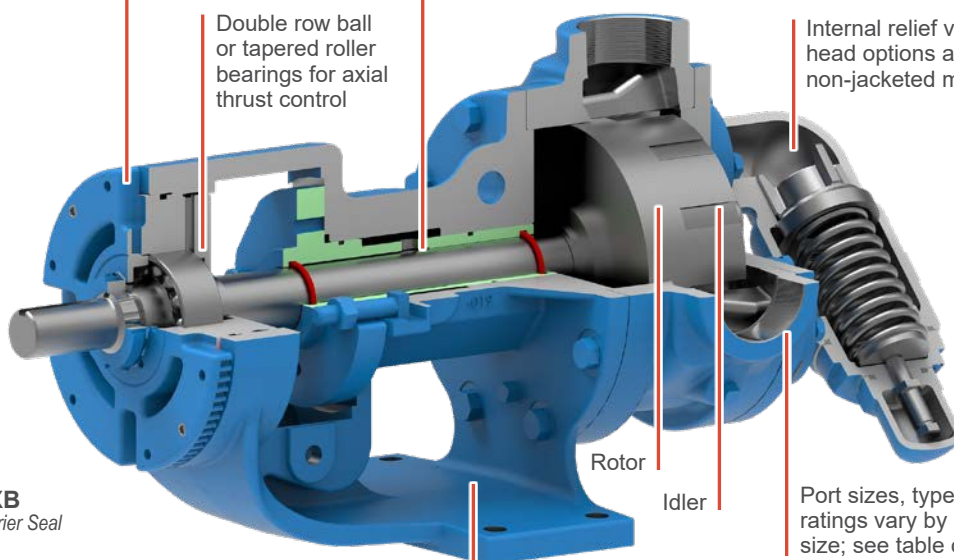
Double row ball or tapered roller bearings for axial thrust control

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



O-Pro® Barrier Seal

Internal relief valve and plain head options available on non-jacketed models



Rotor

Idler

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

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

KK1124A-BXB
Shown with O-Pro® Barrier Seal



CAPACITY
to 200 GPM
(45 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



VISCOSITY
100 to 25,000 SSU
(20 to 5,500 cSt)



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

* Range may increase with end clearance adjustment

PERFORMANCE

MODELS		SPECIFICATIONS						
Non-Jacketed	Jacketed	Performance			Standard Ports			
O-Pro® Barrier Seal	O-Pro® Barrier Seal	Max Speed, RPM	GPM	m³/h	Size, Inches	Type	Orientation	
H1124A-BXB	H1224A-BXB	1000	8	1.8	1.5	NPT	Right Angle	
HL1124A-BXB	HL1224A-BXB	1000	18	4	1.5	NPT	Right Angle	
K1124A-BXB	K1224A-BXB	780	80	18	2	NPT	Right Angle	
KK1124A-BXB	KK1224A-BXB	780	100	23	2	NPT	Right Angle	
L1124A-BXB	L1224A-BXB	640	135	31	2	NPT	Right Angle	
LQ1124A-BXB	LQ1224A-BXB	640	135	31	2.5	Flange	Right Angle	
LL1124A-BXB	LL1224A-BXB	520	140	32	3	Flange	Right Angle	
LS1124A-BXB	LS1224A-BXB	640	200	45	3	Flange	Right Angle	

MODELS FOR SPECIFIC APPLICATIONS

1124A-BXB MODELS FOR STARCH ADHESIVE

BXB Starch Adhesive models provide shaft seal leak prevention and robust sealing option capable of withstanding pressure spikes well above industry standard mechanical & lip seal designs.

1224A-BXB MODELS FOR HOT WAX

BXB Wax models provide shaft seal leak prevention through use of Viking's O-Pro® Barrier seal and come standard with jacketed bracket & head to control the temperature of the product in the pump.

PORTING

- Right Angle (90°) (Rotatable Casing)
- NPT
- Flanged (ANSI)

SEALING

- O-Pro® Barrier Seal

MOUNTING

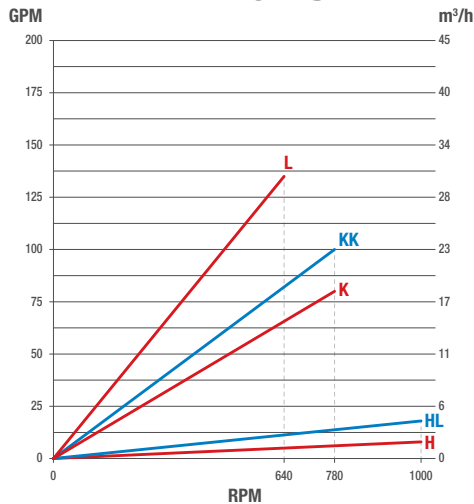
- Foot Mount

TYPICAL APPLICATIONS

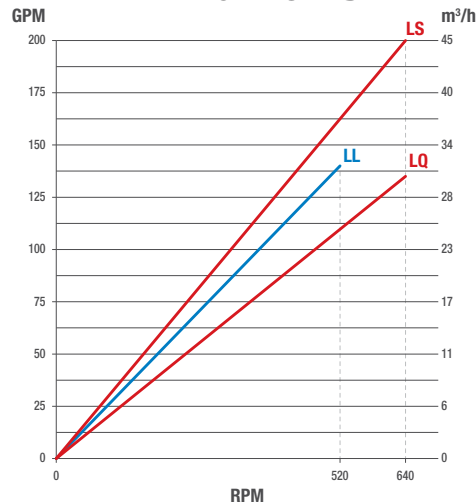
- Corrugating Adhesives
- Paper & Paper Board
- Paper Cartons
- Wax Curtain Coating - Corrugated sheets
- Wax Impregnator - Corrugated Board Operation
- Adhesives

CURVES

NPT PORTS



FLANGE PORTS



Note: O-Pro® Barrier Seal is patented.

**VIKING
PUMP®**

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