



224C SERIES™, 1224C SERIES™, 4224C SERIES™, 224A SERIES™, 4224A SERIES™, 324A SERIES™, 1324A SERIES™, 4324A SERIES™

CAST IRON CONSTRUCTION | UNIVERSAL PRODUCT LINE

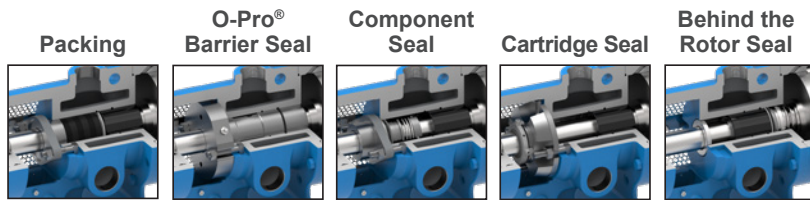


FEATURES & BENEFITS

- Rigid and reliable construction handles a broad range of viscosities, while maintaining a constant flow rate
- Integral jacket chambers in the bracket and head provide rapid & efficient heating using steam or hot oil
- Broad selection of design and material options
- U-Plus™ bracket accepts an extensive range of sealing options
- Optional ProPort™ casing offers multiple flange types and sizes, providing enhanced flexibility for system integration and piping connections



HL224C
Shown with
Opposite Ports



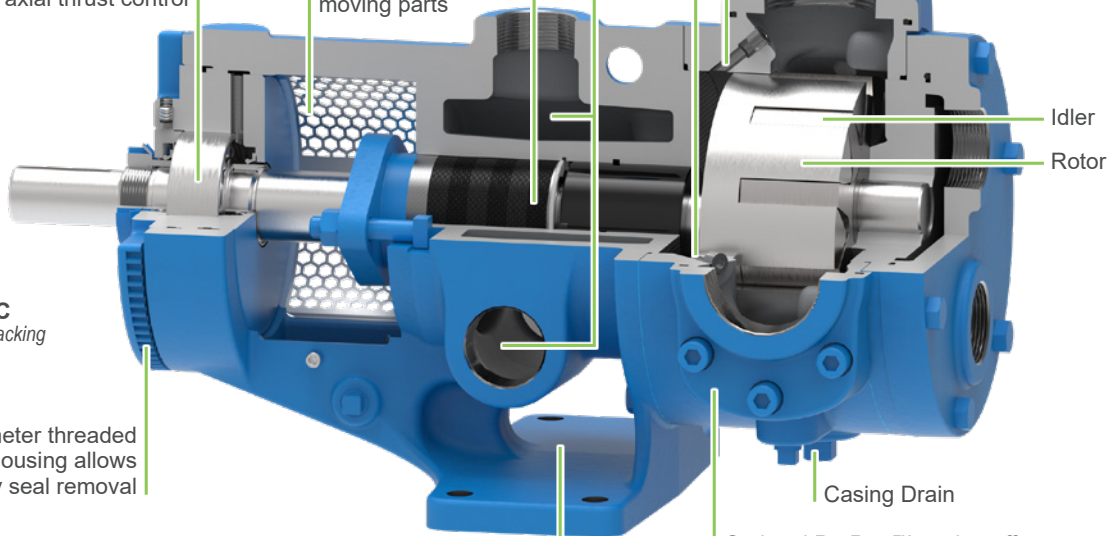
U-Plus™ bracket seal chamber accepts a variety of seal types

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

Double row ball bearing or tapered roller bearings for axial thrust control

Stainless steel window guards offer protection against moving parts

Internal circulation promotes flow behind the rotor



Idler

Rotor

Casing Drain

KK224C
Shown with Packing

Large diameter threaded bearing housing allows easy seal removal

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

Optional ProPort™ casing offers an adaptable port design with a variety of port sizes and types



CAPACITY
to 1,600 GPM
(363 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



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



TEMPERATURE
-60°F to +450°F
(-50°C to +230°C)

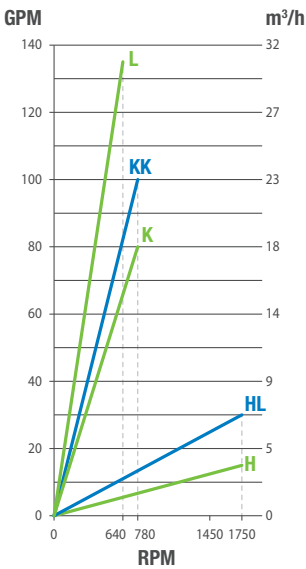
PERFORMANCE

MODELS			SPECIFICATIONS				
Jacketed			Nominal Pump Rating (100 SSU & Below)			Standard Ports	
Packed Gland	O-Pro® Seal	Mechanical Seal	Max Speed, RPM	GPM	m³/h	Size, Inches	Type
H224C	H1224C	H4224C	1750	15	3.5	1.5	NPT
HL224C	HL1224C	HL4224C	1750	30	7	1.5	NPT
K224C	K1224C	K4224C	780	80	18	2	NPT
KK224C	KK1224C	KK4224C	780	100	23	2	NPT
L224C	L1224C	L4224C	640	135	31	2	NPT
LL224C	LL1224C	LL4224C	520	140	32	3	Flange
LS224C	LS1224C	LS4224C	640	200	45	3	Flange
Q224C	Q1224C	Q4224C	520	300	68	4	Flange
QS224C	QS1224C	QS4224C	520	500	114	6	Flange
M224A	—	M4224A	420	420	95	4	Flange
N324A	N1324A	N4324A	350	600	136	6	Flange
R324A	R1324A	R4324A	280	1100	250	8	Flange
RS324A	RS1324A	RS4324A	280	1600	363	10	Flange

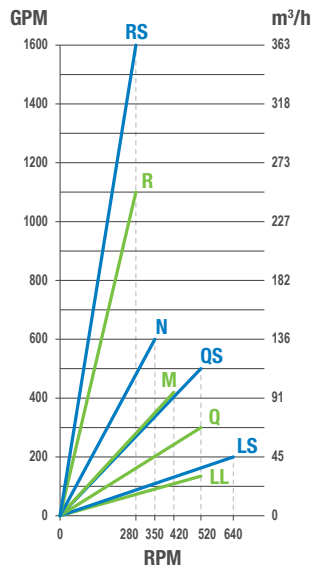
Jacketed bracket and jacketed head are standard.

CURVES

NPT PORTS



FLANGE PORTS



PORTING

- Right Angle (90°) (Rotatable Casing), H-Q & M
- Opposite (180°), QS-RS; Optional with ProPort™ casing, H-HL & K-Q
- NPT
- Flanged (ANSI)

SEALING

- Packing
- Behind the Rotor Seal
- O-Pro® Barrier Seal
- Component Mechanical Seal
- Cartridge Mechanical Seal
- Cartridge Triple Lip Seal

MOUNTING

- Foot Mount

OPTIONS

- Non-Jacketed (124C Series™, 1124C Series™, 4124C Series™)
- Steel (223C Series™, 4223C Series™)

DRIVES

- Ⓜ Offset Gear Reducer Drive
- Ⓟ Purchased Gear Reducer Drive
- Ⓧ Direct-Mounted Drive, H-HL
- Ⓥ V-Belt Drive

TYPICAL APPLICATIONS

- Asphalt & Bitumens
- Chocolate
- Molasses
- Heavy Fuel Oil
- Waxes
- Rubber Solution



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