



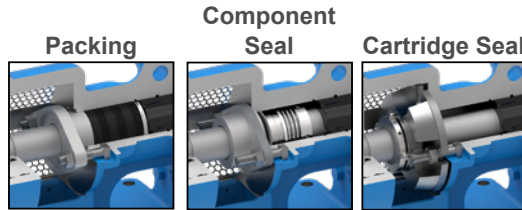
123C SERIES™, 4123C SERIES™

STEEL EXTERNALS CONSTRUCTION | UNIVERSAL PRODUCT LINE



FEATURES & BENEFITS

- All steel construction for refinery and petrochemical applications
- Recommended for extremely high temperatures
- U-Plus Bracket, available on H-QS sizes, accepts a wide range of sealing options



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

Internal circulation promotes flow behind the rotor

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

Relief valve

Idler

KK123C
Shown with Packing

Large diameter threaded bearing housing allows easy seal removal

Casing Drain

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

Rotor

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



CAPACITY
to 500 GPM
(114 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



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



TEMPERATURE
-20°F to +800°F
(-30°C to +430°C)

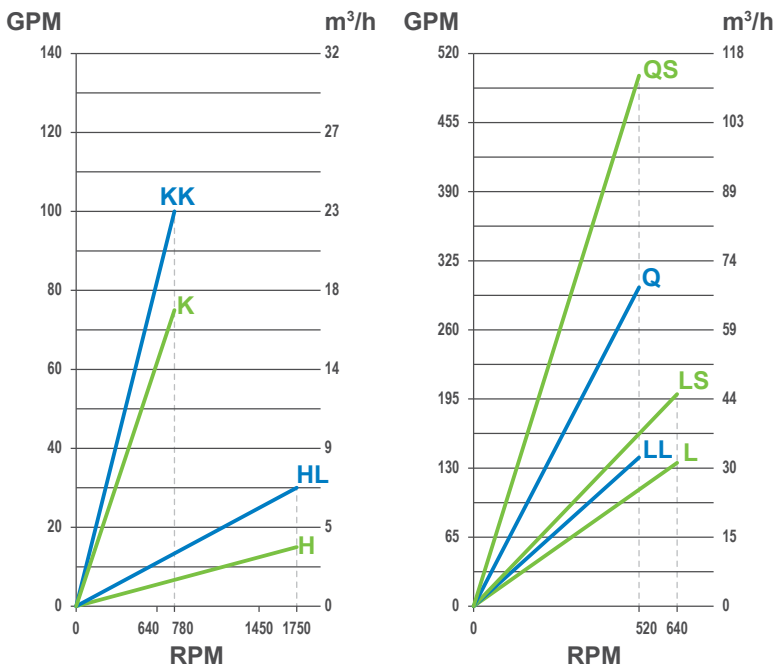
PERFORMANCE

MODELS		SPECIFICATIONS				
Non-Jacketed*		Performance			Standard Ports*	
Packing	Mechanical Seal	Max Speed, RPM	GPM	m ³ /h	Size, Inches	Type**
H123C	H4123C	1750	15	3.4	1.5	Flange
HL123C	HL4123C	1750	30	6.8	1.5	Flange
K123C	K4123C	780	75	17	2	Flange
KK123C	KK4123C	780	100	23	2	Flange
L123C	L4123C	640	135	31	2.5	Flange
LL123C	LL4123C	520	140	32	3	Flange
LS123C	LS4123C	640	200	45	3	Flange
Q123C	Q4123C	520	300	68	4	Flange
QS123C	QS4123C	520	500	114	6	Flange

* All sizes available with opposite porting.

** To see all port options, refer to Catalog Section 2301.

CURVES



PORTING

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

SEALING

- Packing
- Component Mechanical Seal
- Cartridge Mechanical Seal
- Cartridge Triple Lip Seal

MOUNTING

- Foot Mount

OPTIONS

- Jacketing (223C Series™, 4223C Series™)
- Low temperature carbon steel down to -50°F (-45°C)

DRIVES

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

TYPICAL APPLICATIONS

- Crude Oil
- Fuels
- Lube Oil
- Basic Petrochemicals
- Asphalts & Bitumens
- Heat Transfer Fluids

VIKING PUMP®

VIKING PUMP, INC.
A Unit of IDEX Corporation
406 State Street
Cedar Falls, Iowa 50613 U.S.A.
vikingpump.com

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