



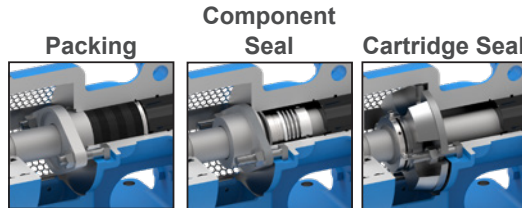
## 123C SERIES™, 4123C SERIES™

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 m<sup>3</sup>/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)

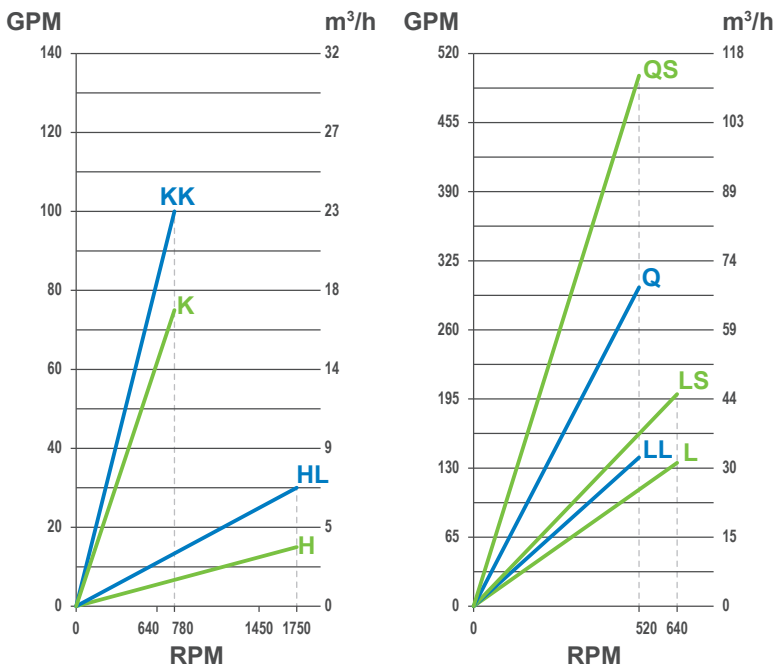
## PERFORMANCE

MODELS		SPECIFICATIONS				
Non-Jacketed*		Performance			Standard Ports*	
Packing	Mechanical Seal	Max Speed, RPM	GPM	m <sup>3</sup> /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®

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