UNIVERSAL PRODUCT LINE

SERIES: 224A, 4224A, 4224B, 324A, 4324A
CAST IRON CONSTRUCTION

FEATURES & BENEFITS

• Rugged and reliable, yet economical
• Widest range of sizes and options available to suit almost any non-corrosive application
• Integral jacket chambers in the bracket and head surround the seal and pump internals for rapid & efficient heating using steam or hot oil

CAPACITY to 1,600 GPM (363 m³/h)
PRESSURE to 200 PSI (14 BAR)
TEMPERATURE -60°F to +450°F (-50°C to +230°C)
VISCOSITY 28 to 2,000,000 SSU (0.1 to 440,000 cSt)

Seal chamber accepts packing and a variety of component and cartridge style mechanical and lip seals, in both single and double mechanical seal configurations; behind the rotor seal (4224B) option also available

Double row ball or tapered roller bearings for axial thrust control

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

Large diameter threaded bearing housing allows easy removal of cartridge seals (not 4224B)

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

Multiple port sizes, types, and ratings are available including threaded and flanged (Class 125, Class 250)

M4224A

VuKING PUMP
### PERFORMANCE MODELS

<table>
<thead>
<tr>
<th>Jacketed</th>
<th>Nominal Pump Rating (100 SSU &amp; Below)</th>
<th>Standard Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packed</td>
<td>Mechanical Seal</td>
<td>Behind the Rotor Seal</td>
</tr>
<tr>
<td>H224A</td>
<td>H4224A</td>
<td>H4224B</td>
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<tr>
<td>HL224A</td>
<td>HL4224A</td>
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<td>LO224A</td>
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<td>N224A</td>
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<td>R224A</td>
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<tr>
<td>RS224A</td>
<td>RS4324A</td>
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</tbody>
</table>

Jacketed bracket and jacketed head are standard.

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

### SEALING
- Packing
- Behind the Rotor Seal
- Component Mechanical Seal
- Cartridge Mechanical Seal
- Cartridge Triple Lip Seal

### MOUNTING
- Foot Mount

### OPTIONS
- Ductile Iron (Series 226A, 4226A)

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

### DRIVES
- Offset Gear Reducer Drive (R)
- Purchased Gear Reducer Drive (P)
- Direct-Mounted Drive (H-HL) (D)
- V-Belt Drive (V)

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