VR SERIES
316 STAINLESS STEEL
VERTICAL MULTI-STAGE PUMPS

VR Series Stainless Steel Vertical Multi-Stage Pumps deliver efficiency and superior performance for a wide variety of demanding applications. The new VR Series is backed by Franklin’s unparalleled technical service and support, leaving you with proven reliability and peace of mind.
VR SERIES MULTI-STAGE PUMPS

APPLICATIONS
- Boiler feed
- Circulation of hot and cold water for heating, cooling, and conditioning systems
- Handling of water, free of suspended solids, in the civil, industrial, and agricultural sector
- Irrigation systems
- Pressure boosting and water supply systems
- Wash down unit
- Water treatment plants

FEATURES
- Full stainless steel in contact with water (inox versions), compact and solid structure
- Easy installation IN LINE ports
- Fabricated stainless steel impellers and diffusers for corrosion resistance and superior efficiency
- Oversize ball bearing (bearing bracket) ensures long motor bearing life and eliminates axial and other manual adjustments of moving parts
- Removal of the mechanical seal without dismounting the motor (VR 15-20-30-45-65-95 60 Hz models higher than 5.5 hp (4 kW), motor weight higher than 66 lb (30 kg))
- Standard balanced mechanical seal
- Uses standard motor, does not require high thrust motor configuration
- Tungsten carbide intermediate bearing to control and eliminate vibration and stabilize the rotor with a large number of stages
- The mechanical shaft seal assembly is composed of a silicon carbide (SiC) rotating face, carbon graphite stationary, EPDM elastomers and AISI 316 stainless steel hardware as standard. Silicon carbide (SiC) stationary and FKM elastomers are optional.
- UL certified to NSF/ANSI 61 & 372

TECHNICAL DATA
- Flow range up to 600 gpm (15-95 m³/h)
- Head up to 800 ft
- Liquid Temp: 5 °F (-15 °C) to 248 °F (120 °C)
- Working Pressure: Round flange and Victaulic® connections 360 psi (25 bar), oval flange connection 230 psi (16 bar)
- Premium or standard efficiency motors
- 115 to 575 Volts
- TEFC or ODP enclosures
- Single- and three-phase motors
- Up to 60 hp
VR SERIES MULTI-STAGE PUMPS

PERFORMANCE - 60 HZ

VR MODEL NOMENCLATURE

<table>
<thead>
<tr>
<th>Code for Pump End</th>
<th>Reduced impeller trim type</th>
<th>Total number of stages (2 characters)</th>
<th>Pump Series</th>
<th>Nominal Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXX VR XX - XX</td>
<td>00 = No Trim</td>
<td>00 = No Trim</td>
<td>VR - VR Series</td>
<td>15 = 15 m³/h (80 gpm)</td>
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<tr>
<td></td>
<td>1A = Trim (30, 45, 65, and 95 only)</td>
<td>1A = Trim (30, 45, 65, and 95 only)</td>
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<td>20 = 20 m³/h (100 gpm)</td>
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<td>2A = Trim (30, 45, 65, and 95 only)</td>
<td>2A = Trim (30, 45, 65, and 95 only)</td>
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<td>30 = 30 m³/h (150 gpm)</td>
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<td>45 = 45 m³/h (240 gpm)</td>
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<td>65 = 65 m³/h (350 gpm)</td>
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<td>95 = 95 m³/h (500 gpm)</td>
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CONNECTION TYPES

Round Flange

Victaulic®

Oval Flange