Pure pumping value: Reliability + Economy

Waukesha C-Series sanitary pumps:

Versatile Waukesha C-Series Centrifugal Pumps from Waukesha Cherry-Burrell find broad application throughout sanitary and industrial processes. These rugged pumps accommodate a wide range of solids and liquids under a variety of flow conditions and deliver long service with minimum downtime.

- Long-life backplate and adapters — both backplate (with O-ring) and adapters are machined from solid bar stock stainless steel for optimum casing seal life and corrosion resistance.
- Long-life components — all “wet end” components are 316L stainless steel.

Models C-114 through C-328

304 stainless steel adapters — standard, eliminate the rust, corrosion and chipping paint of conventional carbon steel adapters.

Tested performance — every pump passes strict testing before release for shipping.

C-100 Centrifugal Pumps
**Type D**

**External Balanced Seal**

This versatile, dependable seal finds broad use in sanitary and industrial applications. Seal material is carbon rotating on the stationary stainless steel.

**Type E**

**Double Mechanical Seal**

This double mechanical seal can be pressurized with a flush media and discharged to drain. Ideal for vacuum, high temperature, abrasive or non-lubricating applications.

**Type DG**

**Clamped-in Seal Seat**

This seal is ideal for applications where resistance to corrosion is required or for abrasive or non-lubricating products. The DG utilizes Type D rotating seal components; however, the stationary seal seat material is silicon carbide, and is reversible for extended seat life.

**Type F**

**External Balanced, Water Cascade Seal**

When Seal Type D applications include product temperatures that reach 212°F (100°C) or vacuum over 14" Hg (355mm Hg), seal Type F is the choice. It includes the addition of a water cascading assembly that continually flushes the seal area.

**Casing matches job — choose from standard or enlarged inlet with port connection that meets your piping system.**

**CIP capability — grooves-in-impeller/shaft routes CIP chemical solutions to all critical areas for clean-in-place.**

**Wave spring extends seal life**

Wave spring maintains uniform loading on seal faces for longer seal service.

** Longer seal life — wave spring provides more uniform loading on seal face than single coil spring; hydraulic balancing reduces sealing surface pressures for less wear and less downtime.**

**Fast, easy takedown — no tools required; quick-opening, heavy-duty cast clamp secures casing; impeller pin retained by centrifugal force.**

**Seal Options**
Mechanical Specifications

STANDARD CONSTRUCTION:
Casing: 316L stainless steel
Backplate: 316L stainless steel
Impeller: 316L stainless steel
Port Connection: S–Line Standard; I–Line Female, Bevel Seat threaded or NPT (Male or Female) are optional
Seal Type: Type D Seal, external balanced (standard)
Type F Seal (Type D with Cascade Seal Flush)
Type DG Seal (clamped in seal/seat)
Type E Seal (double mechanical)
Note: DG, F and E seal not available on C-100
Rotary Seal Material: Carbon (standard)
Silicon Carbide & Tungsten Carbide (optional)
DG Seal Seat Material: Silicon Carbide (standard)
Purebide, Ceramic & Tungsten Carbide (optional)
Elastomers: Buna (standard) or Fluoroelastomer (optional)
Finish: Sanitary Polish 32RA (150 Grit)
Mounting: Pump head mounted to C–face motor; leg kit optional

PERFORMANCE CHARACTERISTICS:
Nominal Capacity: To 780 GPM
Temperatures: To 212°F
Nominal Speed Range: 1450 or 2900 RPM–50HZ
1750 or 3500 RPM–60HZ

MOTOR:
Standard C-face; 3 phase, 230/460 volts; 1750 and 3500 RPM; TEFC and Washdown Duty, Foot Mounted
Other motor types upon request

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>INLET (INCHES)</th>
<th>OUTLET (INCHES)</th>
<th>MAXIMUM IMPELLER DIA. (INCHES)</th>
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<tbody>
<tr>
<td>C-100</td>
<td>11/2</td>
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<td>C-114</td>
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<td>C-216</td>
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<td>6.0</td>
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<td>C-218</td>
<td>2 or 3</td>
<td>11/2</td>
<td>8.0</td>
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<tr>
<td>C-328</td>
<td>3 or 4</td>
<td>2</td>
<td>8.0</td>
</tr>
</tbody>
</table>

Cubic Meters per Hour

Cubic Meters per Hour

Total Head in Feet

Total Head in Inches

US Gallons per Minute

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spxpe.com.

SPX reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Certified drawings are available upon request.

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