Capacity: to 190 m³/hr / 836 USGPM
Pressure: to 31 BAR / 450 PSI
Viscosity: to 440,000 cSt / 2,000,000 SSU
Temperature: to 150°C / 300°F

HYGIENIC PUMP SOLUTIONS
Revolution® Positive Displacement Pump

How it Works

Raise the bar on performance & ease of maintenance with the Revolution. Revolution is the most advanced circumferential piston pump in the industry with front loading seals. Also, it is the only pump available with patented hybrid technology, allowing CPP or RLP technologies.

On the CPP, the deep channels in which the rotors travel provide large voids to minimize shear and bruising of solids.

Wright Flow Technologies rotor wings/lobes rotate within the pump casing channel. This continuously generates a partial vacuum at the suction port as the rotors unmesh, causing fluid to enter the pump.

The fluid is transported through the channel by the wing/lobe rotors, and is displaced as the rotor wings re-mesh, generating pressure at the discharge port. Pump output is directly proportional to speed, and direction of flow is reversible.

YOUR COMPLETE
Hygienic Solutions Provider

- GLOBAL PRESENCE WITH LOCALIZED SERVICE
- BROADEST PD PUMP OFFERING IN THE INDUSTRY
- COMPLETE PARTNER FOR YOUR HYGIENIC PROCESS

Around the world, Wright Flow Technologies provides solutions for challenges in fluid handling. You can count on the reliability of Wright Flow hygienic positive displacement (PD) pumps. Matching the right pump with your fluid processing needs is easy with innovative, robust designs, cleanability & an extensive product offering.

How it Works

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FEAT URES & BENEFITS

CLEANABILITY
- Efficient CIP (Clean In Place) ability is standard for all Revolution pumps
- Self draining pump head from innovative cusps & cusp reliefs
- Innovative seal design with no dead zones & a dynamic leak path
- No dead zones on front cover

EASE OF MAINTENANCE
- Fast, front loading seal changes while pump is still in line
- Front access shimming for setting rotor clearance significantly reduces maintenance time
- Convenient preventive maintenance parts kits available

PERFORMANCE
- Improved volumetric efficiency in low & high viscosity applications
- Up to 15% better flow performance than competitors’ CIP configuration with CPP version
- Gentle handling of solids & shear sensitive products
- Long-life durability from heavy duty shafts, bearings & helical gears
- Less overhung load
**EASY ACCESS FRONT LOADING SEAL CHANGES:**

Change seals more efficiently with just **three** steps to access the seals while the pump is still in line! And for maximum utility, the Revolution comes “out of the box” with interchangeable O-ring and mechanical seals (including single or double seals).

**PORTING:**

- **Hygienic port options:** Tri-clamp, DIN 11864, DIN 11851 Male, SMS Male
- **Industrial port options:** ASA/ANSI 150 lb. or 300 lb. RF, DIN 2633, BSP Male, NPT Male
- **Rectangular flange/hopper inlet available on select sizes**
- **Pumps may be fitted with front cover and rotor case jackets when required**

**SEALS:**

- **Single mechanical**
- **Double mechanical w/ flush**
- **Single O-ring running on a replaceable sleeve**
- **Double mechanical w/ flush**
- **Single O-ring w/ flush running on a replaceable sleeve**
- **Double mechanical w/ flush**
- **Single mechanical**
- **Case jackets when required**

**ROUTERS:**

- **Non-galling WFT 800® nickel alloy standard for CPP**
- **316 L standard for RLP and optional for CPP**
- **Optional clearances:**
  - front face, hot, high temperature/high viscosity (chocolate)
  - 316 L standard for RLP and optional for CPP
  - Non-galling WFT 808® nickel alloy standard for CPP

**SURFACE FINISH:**

- **Standard 32 RA internal finish**
- **Optional mechanical internal finishes:** 24 RA or 16 RA

**GEAR BOX:**

- **Powder coated cast iron standard**
- **Stainless steel optional**
- **Oil lubrication standard, grease optional**

**COMPLETE PUMP DRIVE UNITS:**

- **Wright Flow Technologies makes it simple to select your pump, drive and base configuration for ordering a complete unit**
- **Close coupled and long coupled designs available**
- **Tubular, flat plate and formed metal base designs available**

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**PERFORMANCE RANGE:**

<table>
<thead>
<tr>
<th>Size</th>
<th>Revolution</th>
<th>Displacement</th>
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**OPTIONS SPECIFICATIONS**

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Ease of Maintenance

Exceptional Cleanability

Long Life Durability