

# PD 551

## 500 SERIES • SANITARY ROTARY PD PUMP

**CERTIFICATIONS**  
**3-A | FDA**

### PERFORMANCE AT-A-GLANCE

|                                                          |                                       |                                                   |                                                                       |                                                       |
|----------------------------------------------------------|---------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------|
| <b>228</b><br>gal/min   863 L/min<br><b>MAX CAPACITY</b> | <b>800</b><br>rpm<br><b>MAX SPEED</b> | <b>28.5</b><br>gal/100 rev<br><b>DISPLACEMENT</b> | <b>225</b><br>psi   15.8 kgf/cm <sup>2</sup><br><b>MAX PRESSURE *</b> | <b>1,000,000</b><br>cps (max)<br><b>MAX VISCOSITY</b> |
|----------------------------------------------------------|---------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------|

### CONSTRUCTION & MATERIALS

| Seal Options                                                                                                                                                       | Elastomer Materials                                                                                                                                                  | Bearing Housing Materials                                                                                                                     | Rotor Housing Materials                                                                                               | Rotor Materials                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Single Mechanical Seal</li> <li>Single O-Ring</li> <li>Double O-Ring</li> <li>Double O-Lip</li> <li>Triple O-Lip</li> </ul> | <ul style="list-style-type: none"> <li>Viton</li> <li>EPDM</li> <li>Teflon Encapsulated Viton</li> <li>FFKM</li> <li>USP Options Available</li> <li>Aflas</li> </ul> | <ul style="list-style-type: none"> <li>Fully Machined 316 Stainless-Steel Bearing Housing</li> <li>Patented Carbon Bearing Housing</li> </ul> | <ul style="list-style-type: none"> <li>Fully Machined 316 Stainless-Steel Rotor Housing</li> <li>Hastelloy</li> </ul> | <ul style="list-style-type: none"> <li>Polyflex</li> <li>N-60 Stainless</li> <li>DuraCore</li> <li>Hastelloy</li> </ul> |

### SPECIFICATIONS

| Max Temperature * | Connection Size | Net Weight     | Surface Finish                            |
|-------------------|-----------------|----------------|-------------------------------------------|
| 401 °F<br>205 °C  | 3.0"            | 153 lb / 69 kg | 32 Ra standard<br>15 Ra & 20 Ra available |

### OPTIONS & CONFIGURATIONS

|                                |                            |                           |
|--------------------------------|----------------------------|---------------------------|
| Jacketed Rotor Housing & Cover | Drain Port Housing Cover   | PRV Cover                 |
| Select Front Loaded Seals      | CleanPlus/FoodFirst Design | Select Coatings Available |
| Compac Designs Available       |                            |                           |

\* Maximum pressure and temperature ratings are based on Class E rotors. - Weight includes stainless steel bearing housing.