

## Operating Parameters

| U1 Model | Displacement per revolution | Maximum Nominal Capacity           | Inlet/Outlet | Optional Inlet/Outlet | Maximum Product Pressure** | Maximum RPM | Temp Range*                                                                                                          |
|----------|-----------------------------|------------------------------------|--------------|-----------------------|----------------------------|-------------|----------------------------------------------------------------------------------------------------------------------|
| 006      | .0082 gal (.031 liter)      | 6 gpm (1.3 m <sup>3</sup> /hr.)    | 1"           | 1-1/2"                | 200 psi (13.8 bar)         | 800         | Std: -40°F (-40°C) to 180°F (82°C);<br>FF: 180°F (82°C) to 200°F (93°C);<br>Hot/XHot: -40°F (-40°C) to 300°F (149°C) |
| 015      | .0142 gal (.054 liter)      | 9 gpm (2.0 m <sup>3</sup> /hr.)    | 1-1/2"       | -                     | 200 psi (13.8 bar)         | 700         |                                                                                                                      |
| 018      | .029 gal (.110 liter)       | 17 gpm (3.8 m <sup>3</sup> /hr.)   | 1-1/2"       | 2"                    | 200 psi (13.8 bar)         | 600         |                                                                                                                      |
| 030      | .060 gal (.227 liter)       | 36 gpm (8.2 m <sup>3</sup> /hr.)   | 1-1/2"       | 2"                    | 200 psi (13.8 bar)         | 600         |                                                                                                                      |
| 040      | .076 gal (.288 liter)       | 45 gpm (10.2 m <sup>3</sup> /hr.)  | 2"           | 2-1/2"                | 150 psi (10.3 bar)         | 600         |                                                                                                                      |
| 060      | .153 gal (.579 liter)       | 90 gpm (20.4 m <sup>3</sup> /hr.)  | 2-1/2"       | 3"                    | 200 psi (13.8 bar)         | 600         |                                                                                                                      |
| 130      | .254 gal (.961 liter)       | 150 gpm (34.1 m <sup>3</sup> /hr.) | 3"           | -                     | 200 psi (13.8 bar)         | 600         |                                                                                                                      |
| 220      | .522 gal (1.976 liter)      | 310 gpm (70.4 m <sup>3</sup> /hr.) | 4"           | -                     | 200 psi (13.8 bar)         | 600         |                                                                                                                      |
| 320      | .754 gal (2.854 liter)      | 450 gpm (102 m <sup>3</sup> /hr.)  | 6"           | -                     | 200 psi (13.8 bar)         | 600         |                                                                                                                      |

## Rectangular Flange Models

| U1 Model | Displacement per revolution | Maximum Nominal Capacity           | Inlet W x L Inches | Outlet      | Maximum Product Pressure** | Max. RPM | Temp Range *                                                                                                         |
|----------|-----------------------------|------------------------------------|--------------------|-------------|----------------------------|----------|----------------------------------------------------------------------------------------------------------------------|
| 014      | .0142 gal (.054 liter)      | 5.68 gpm (1.3 m <sup>3</sup> /hr.) | 1.44 x 4.94        | 1-1/2"      | 200 psi (13.8 bar)         | 400      | Std: -40°F (-40°C) to 180°F (82°C);<br>FF: 180°F (82°C) to 200°F (93°C);<br>Hot/XHot: -40°F (-40°C) to 300°F (149°C) |
| 024      | .026 gal (.110 liter)       | 11 gpm (2.5 m <sup>3</sup> /hr.)   | 1.31 x 4.93        | 1-1/2" (2") | 200 psi (13.8 bar)         | 400      |                                                                                                                      |
| 034      | .060 gal (.227 liter)       | 24 gpm (5.5 m <sup>3</sup> /hr.)   | 1.75 x 6.75        | 2"          | 200 psi (13.8 bar)         | 400      |                                                                                                                      |
| 064      | .153 gal (.579 liter)       | 60 gpm (13.6 m <sup>3</sup> /hr.)  | 2.24 x 8.82        | 2-1/2" (3") | 200 psi (13.8 bar)         | 400      |                                                                                                                      |
| 134      | .254 gal (.961 liter)       | 100 gpm (22.7 m <sup>3</sup> /hr.) | 2.97 x 9.25        | 3"          | 150 psi (10.3 bar)         | 400      |                                                                                                                      |
| 224      | .522 gal (1.976 liter)      | 200 gpm (45.4 m <sup>3</sup> /hr.) | 3.87 x 11          | 4"          | 200 psi (13.8 bar)         | 400      |                                                                                                                      |
| 324      | .754 gal (2.854 liter)      | 300 gpm (68.1 m <sup>3</sup> /hr.) | 5 x 17.38          | 6"          | 200 psi (13.8 bar)         | 400      |                                                                                                                      |

## Aseptic Models

| U1 Model | Displacement per revolution | Maximum Nominal Capacity           | Inlet/Outlet | Maximum Product Pressure | Maximum RPM | Temp Range *                                                                                                         |
|----------|-----------------------------|------------------------------------|--------------|--------------------------|-------------|----------------------------------------------------------------------------------------------------------------------|
| 033      | .051 gal (.193 liter)       | 30 gpm (6.8 m <sup>3</sup> /hr.)   | 1-1/2"       | 225psi (15.5 bar)        | 600         | Std: -40°F (-40°C) to 180°F (82°C);<br>FF: 180°F (82°C) to 200°F (93°C);<br>Hot/XHot: -40°F (-40°C) to 300°F (149°C) |
| 133      | .205 gal (.776 liter)       | 120 gpm (27.3 m <sup>3</sup> /hr.) | 3"           | 225psi (15.5 bar)        | 600         |                                                                                                                      |
| 223      | .440 gal (1.666 liter)      | 260 gpm (59.1 m <sup>3</sup> /hr.) | 4"           | 225psi (15.5 bar)        | 600         |                                                                                                                      |
| 323      | .616 gal (2.332 liter)      | 360 gpm (81.8 m <sup>3</sup> /hr.) | 6"           | 225psi (15.5 bar)        | 600         |                                                                                                                      |

Std = Standard Clearance Rotors; FF = Front Face Clearance Rotors; Hot = Hot Clearance Rotors; XHot = Extra Hot Clearance Rotors

Other inlet/outlet sizes are available. Contact SPX FLOW Application Engineering.

**Pump max temperature is 300°F (149°C).**

\* Contact SPX FLOW Application Engineering for higher pressures or higher temperature applications.

\*\* For all pump sizes with O-ring seals, the maximum pressure is 100 psi (7 bar).



*Operating the pump outside the stated operating parameters may result in severe personal injury or death.*