Introduction

The Rannie 315 homogeniser, a positive-displacement triplex, reciprocating plunger pump, is fitted with an application-specific homogenising valve assembly: single-stage with hydraulic actuation.

The Rannie 315 homogeniser incorporates a durable slow-speed power end that reduces vibration and noise. Easy access to the hydraulic actuation system, lubrication oil and other auxiliary systems simplifies maintenance saving time and money. The Rannie 315 features a three-piece valve housing (ball and poppet style).

Designed to simplify routine maintenance. Materials for plungers, packings, pump valves, valve seats and seals are custom-selected for your application. APV engineers will work with you to optimise the configuration for your specific application.

STANDARD OPTIONS

- Two-stage hydraulic valve actuation (HVA)
- Single-stage automatic hydraulic system (AHS)
- Two-stage automatic hydraulic system (AHS)
- Pulsation damper(s) on inlet and outlet
- Aseptic cylinder design
- Electronic pressure transmitter (excl. display)
- High-pressure outlet
- Inlet pressure gauge
- Plunger lubrication control package
- Micro-Gap homogenising valve
- Tungsten carbide homogenising valve
- Square plunger seals and ceramic plungers
- External cooling fan/main motor
- Motor starter
- Control cabinet, stainless steel
- Thermostat/oil temperature

SPECIAL OPTIONS

- Ceramic plungers with U- or V-rings
- Explosion-proof design
- Electropolished wettables
- High-temperature design
- Flow switch - power end cooling
- UFO - Unit for Filtration of Oil
## Rannie/Three-Piece Valve Housing Poppet and Ball Type Valves

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>GPH</td>
<td>PSI</td>
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<tr>
<td>90.175</td>
<td>9245</td>
<td>3625</td>
</tr>
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<td>70.175</td>
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<td>58.175</td>
<td>3750</td>
<td>8700</td>
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<td>45.175</td>
<td>2115</td>
<td>14500</td>
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</table>

### Dimensions (Single Stage)

<table>
<thead>
<tr>
<th>Length (IN / MM)</th>
<th>Width (IN / MM)</th>
<th>Height (IN / MM)</th>
<th>Dimensions Packed in a Crate (LXWXH IN.)</th>
<th>Dimensions Packed in a Crate (LXWXH CM)</th>
<th>Cubic Measure M³</th>
</tr>
</thead>
<tbody>
<tr>
<td>149.2 / 3810</td>
<td>83 / 2120</td>
<td>74.6 / 1905</td>
<td>168 X 95.2 X 92</td>
<td>420 X 238 X 230</td>
<td>23.0</td>
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Gross weight in a crate, incl. motor: 21,605 LB./9,800 KG

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

SPX Corporation 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.

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SPX Flow Technology, Østmarken 7, DK-2680 Soeborg
P: (+45) 70 278 222  F: (+45) 70 278 223