



# APV Homogenizer Rannie 315

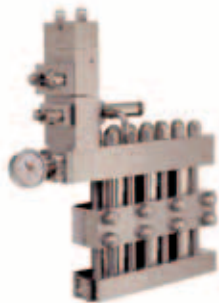
## Introduction

The Rannie 315 homogenizer, a positive-displacement triplex, reciprocating plunger pump, is fitted with an application-specific homogenizing valve assembly: single-stage with hydraulic actuation. As a high-pressure pump, this unit can be fitted with a relief valve.

The Rannie 315 homogenizer 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).

As a standard the homogenizer is equipped with the homogenizing valve most suited for your process.

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



*Rannie three-piece  
valve housing*

## Standard Options

- Two-stage hydraulic valve actuation (HVA)
- Single-stage automatic hydraulic system (AHS)
- Two-stage automatic hydraulic system (AHS)
- Pulsation dampener(s) on inlet and outlet
- Aseptic cylinder design
- Pressure gauge with 4-20 mA output
- High-pressure outlet
- Inlet pressure gauge
- Plunger lubrication control package
- Micro-Gap homogenizing valve
- Tungsten carbide homogenizing valve
- Square plunger seals and ceramic plungers
- External cooling fan/main motor
- Motor starter
- Control cabinet, stainless steel
- Thermostat/oil temperature

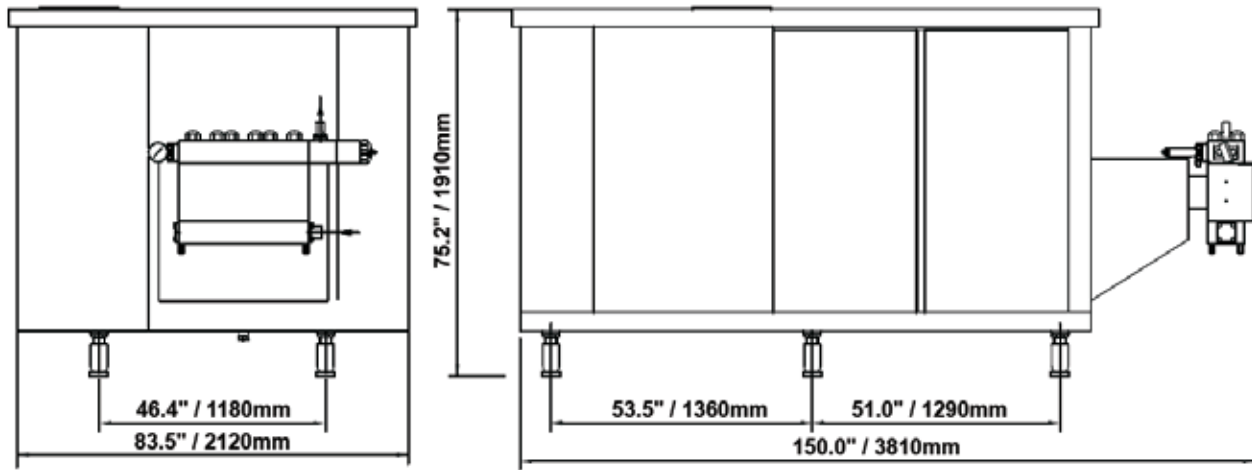
## Special Options

- Ceramic plungers with U- or V-rings
- Explosion-proof design
- Electropolished wettables
- High-temperature design
- Flow switch - power end cooling



# Rannie/Three-Piece Valve Housing Poppet and Ball Type Valves

Type	US -- max. cap./max. press.		Metric -- max.cap./max. press	
	GPH	PSI	LPH	BAR
90.175	9245	2900	35000	200
70.175	5550	4350	21000	300
58.175	3750	6525	14200	450
50.175	2775	11600	10500	800
45.175	2115	10875	8000	750



## Dimensions (Single Stage)

Length (in. / mm)	Width (in. / mm)	Height (in. / mm)	Dimensions packed in a crate LxWxH (in.)	Dimensions packed in a crate LxWxH (cm)	Cubic measure m <sup>3</sup>
149.2 / 3810	83 / 2120	74.6 / 1905	168 x 95.2 x 92	420 x 238 x 230	23.0

Gross weight in a crate, incl. motor: 19,180 lb./8,700 kg

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.apv.com](http://www.apv.com).

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