

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.

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).

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 optimize the configuration for your specific application.



Rannie three-piece valve housing



STANDARD OPTIONS

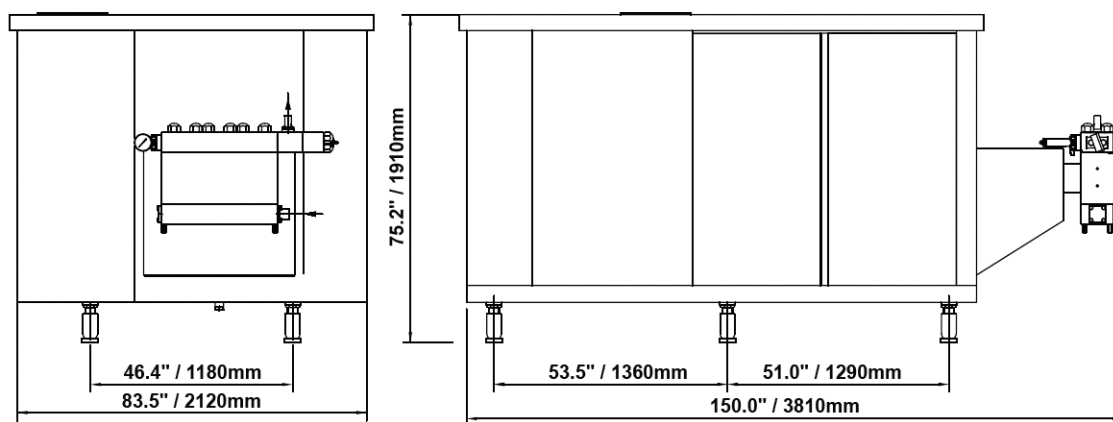
- Two-stage hydraulic valve actuation (HVA)
- Single-stage automatic hydraulic system (AHS)
- Two-stage automatic hydraulic system (AHS)
- Pulsation dampener(s) on inlet and outlet
- Aseptic cylinder design
- Electronic pressure transmitter (excl. display)
- High-pressure outlet
- Inlet pressure gauge
- 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
- UFO - Unit for Filtration of Oil

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	3625	35000	250
70.175	5550	5800	21000	400
58.175	3750	8700	14200	600
50.175	2775	11600	10500	800
45.175	2115	14500	8000	1000



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 M³
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: 21,605 lb (9,800kg)

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