

Rannie 75 / Gaulin 75

Introduction

The Rannie 75 / Gaulin 75 homogenizer, a positive displacement triplex, reciprocating plunger pump, is fitted with an application-specific homogenizing valve assembly: single-stage with hydraulic actuation.

The Rannie 75 / Gaulin 75 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. Liquid end options include a three-piece valve housing (Rannie) and a mono-block design (Gaulin) (ball and poppet style).

Design features of both the Rannie and Gaulin 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.

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
- High-pressure outlet
- Inlet pressure gauge
- Plunger lubrication control package
- Micro-Gap homogenizing valve
- Tungsten carbide homogenizing valve
- Square plunger seals and ceramic plungers (Rannie valve housing only)
- External cooling fan/main motor
- Motor starter
- Control cabinet, stainless steel
- Thermostat/oil temperature



SPECIAL OPTIONS

- Acid-proof cylinder (Gaulin valve housing only)
- 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

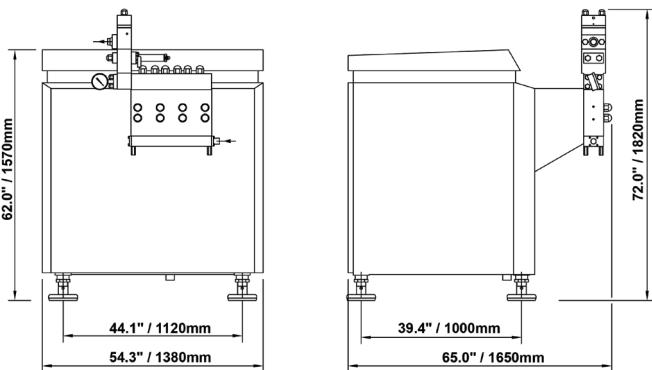


GAULIN MONO-BLOCK
DESIGN

RANNIE/THREE-PIECE VALVE HOUSING

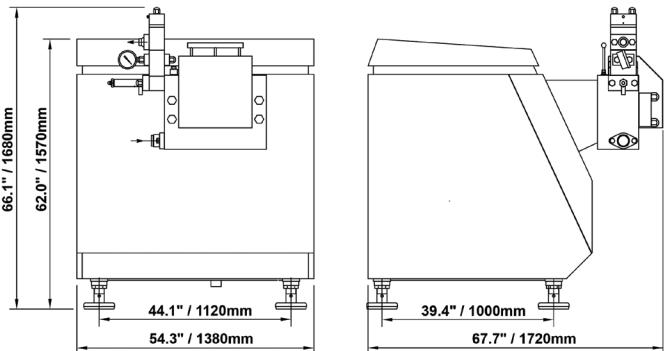
POPPET AND BALL TYPE VALVES

TYPE	U.S. MAX. CAP./MAX. PRESS.		METRIC MAX. CAP./MAX. PRESS	
	GPH	PSI	LPH	BAR
75.95	3500	2000	13500	140
70.95	3100	2500	11800	170
65.95	2640	3000	1000	200
45.95	1320	5800	5000	400
25.95	265	17400	1000	1200
22.95	210	21750	800	1500



GAULIN/MONO-BLOCK DESIGN

TYPE	U.S. MAX. CAP./MAX. PRESS.		METRIC MAX. CAP./MAX. PRESS	
	GPH	PSI	LPH	BAR
POPPET TYPE VALVES				
2.0	3550	2000	13500	140
2.5	3100	2500	11800	170
3.0	2640	3000	10000	200
5.8	1320	5800	4000	400
BALL TYPE VALVES				
2.0	3460	2000	13100	140
2.5	3010	2500	11400	170
3.0	2640	3000	1000	200
5.8	1240	5800	4700	400



DIMENSIONS (SINGLE STAGE)

DIMENSIONS PACKED IN A CRATE LWXH (IN.)	DIMENSIONS PACKED IN A CRATE LWXH (CM)	CUBIC MEASURE M3	GROSS WEIGHT IN A CRATE INCL. MOTOR
75.6 X 66 X 84.4	189 X 165 X 211	6.6	5,952 LB./2,700 KG



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