

## Rannie 125T / Gaulin 125T



The APV brand 125T homogenizer is a three-plunger, reciprocating pump, fitted with a single-stage homogenizing valve (two-stage optional) with manually adjustable hydraulic actuators.

The APV brand 125T incorporates a durable slow-speed Power End in a low and compact design, mounted on a concrete sub-frame that reduces vibrations and noise. One point of control and direct visibility to all internal and external indicators, combined with easy access to all service areas, saves time and money by simplifying inspection and reducing maintenance to a minimum.

SPX FLOW, Inc. (NYSE:FLOW) is a leading manufacturer of innovative flow technologies, many of which help define the industry standard in the market segments they serve. From its headquarters in Charlotte, North Carolina, it operates a sales and support network, centers of manufacturing excellence, and advanced engineering facilities, throughout the world. Its cutting-edge flow components and process equipment portfolio includes a wide range of pumps, valves, heat exchangers, mixers, homogenizers, separators, filters, UHT, and drying technology that meet many application needs. Its expert engineering capability also makes it a premium supplier of customized solutions and complete, turn-key packages to meet the most exacting of installation demands.

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## APV Homogenizer 125T

The more modular and flexible design of the APV brand 125T makes it suitable for a wide range of applications and valve types. Homogenizing valves can easily be changed in order to accommodate different types of product and/or capacities on the same homogenizer. Liquid End options include the Rannie three-piece valve housing and the Gaulin mono-block design, both available with a choice of valves, plungers, and packings according to your requirements. Design features of Rannie, Gaulin, and the new Power End simplify routine maintenance with emphasis on reliability and sturdiness in order to reduce total costs of ownership.

### THE LIQUID END INCLUDES

- Pressure gauge
- Pressure relief valve
- Weld-stub product connections

### THE POWER END INCLUDES

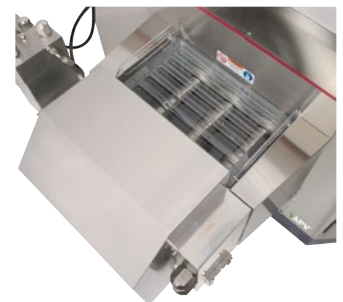
- Internal gear and self-adjusting belt tightening
- External plate heat exchanger with temperature transmitter

### THE INSTRUMENTATION INCLUDES

- All equipment wired to stainless steel control cabinet (IP69K)
- Emergency stop

### STANDARD OPTIONS

- Start/stop buttons
- 2nd stage homogenizing valve with hydraulic or manual actuation
- Potentiometer-controlled electrical valves for hydraulic actuators
- Remote Kit including 4-20mA output for product pressure, controllers for automatic pressure control and oil-filter alarm switch
- Plunger lubrication control package including flow switch and solenoid valve
- Inlet pressure gauge with low pressure switch
- Aseptic cylinder design
- High-pressure outlet connections
- Pulsation dampener(s): inlet and outlet
- Micro-Gap homogenizing valve for increased homogenizing efficiency
- Motor starter
- Low-noise insulation of Power End and extension for Liquid End as add-on kit
- Ventilators for very hot environments
- Plungers in ceramics
- Choice of materials for cylinder block, pump valves, homogenizing valves, packings, etc.



**RANNIE / THREE-PIECE VALVE HOUSING  
MAX. CAPACITY/PRESSURE - POPPET OR BALL VALVES**

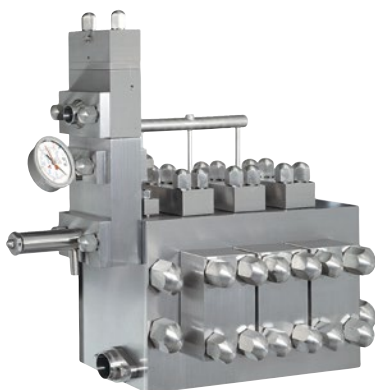
MODEL	TYPE	CAP. GAL/H	CAP. L/H	PRESS. PSI	PRESS. BAR
RANNIE 125	T40	793	3,000	14,500	1,000
RANNIE 125	T45	1,189	4,500	11,600	800
RANNIE 125	T50	1,585	6,000	8,700	600
RANNIE 125	T60	2,377	9,000	5,800	400
RANNIE 125	T70	3,170	12,000	4,350	300
RANNIE 125	T80	4,226	16,000	3,626	250
RANNIE 125	T85	4,755	18,000	3,045	210
RANNIE 125	T90	5,548	21,000	2,900	200



**Rannie Three-Piece Valve Housing**

**GAULIN / MONO-BLOCK VALVE HOUSING  
MAX. CAPACITY/PRESSURE - POPPET OR BALL VALVES**

MODEL	TYPE	CAP. GAL/H	CAP. L/H	PRESS. PSI	PRESS. BAR
GAULIN 125	T50	1,585	6,000	8,700	600
GAULIN 125	T60	2,377	9,000	5,800	400
GAULIN 125	T70	3,170	12,000	4,350	300
GAULIN 125	T80	4,227	16,000	3,626	250
GAULIN 125	T85	4,755	18,000	3,045	210
GAULIN 110	T90	5,548	21,000	2,900	200



**Gaulin Mono-Block Valve Housing**

# Innovative APV Homogenizer

## One Point of Operation

- Gauges with capillary tubes placed directly above the controls.
- Direct visibility to points of control.
- All internal indicators placed behind a window pane.



## Oversized Plate Heat Exchanger for low cooling water consumption



## External Plate Heat Exchanger with solenoid valve control to reduce water consumption

## Mechanical Hydraulic Valves as standard

## Electrical Connection Box to be serviced from the outside



## Double-sized 5 µm Absolute Filter with filter service-indicator for improved life of oil

## Optional Extension for noise reduction of Liquid End

## Concrete Sub-frame

- Noise reduction
- Vibration dampening
- Better stability



## Increased Modularity of Liquid End

- Interchangeable valve types (XFD, SEO, LW)
- Interchangeable valve sizes



## Easy Service Access (Key & Snap Lock Fasteners) Balanced Low Speed Crankshaft For Reduced Noise

Increased reliability/reduced service requirement

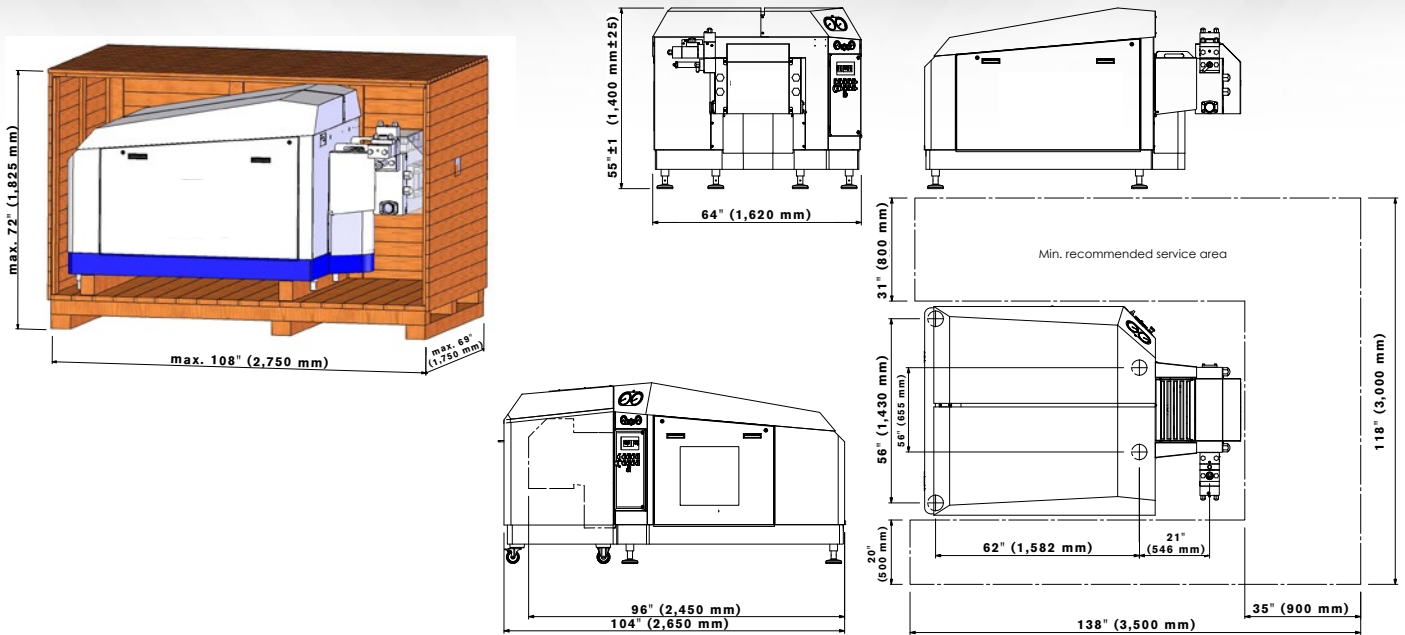
- Internal gear-unit
- Relief valve as standard
- Self-adjusting belt tightening

Rannie 125T

Gaulin 125T



**DIMENSIONS**



DIMENSIONS	LENGTH IN (MM)	WIDTH IN (MM)	HEIGHT IN (MM)	WEIGHT (INCL. MOTOR) LB (KG)
STANDARD MACHINE	97 (2,450)	64 (1,620)	57 (1,450)	10,360 (4,700)
INCL. EXTENSION	105 (2,650)	64 (1,620)	57 (1,450)	+ 772 (+350)
PACKED IN CRATE	106 (2,750)	67 (1,750)	71 (1,825)	+ 838 (+380)

CUBIC MEASURE OF CRATING: 8,3 M<sup>3</sup>

Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit [www.spxflow.com](http://www.spxflow.com)



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