



PHARMA MACHINERIES



AUTOMATIC VOLUMETRIC LIQUID FILLING MACHINE

RIDDHI PHARMA MACHINERY LTD.

Manufacturer & Exporters of Pharmaceutical Machineries

OFFICE: MUMBAI Om-Shivam Bldg.,2, Tarun Bharat, Sahar Rd, Andheri(E), Mumbai-400 099.Maharashtra, India.

Tel.: 91-22-2832 1332 / 2838 9432 Fax: 91-22-2838 2479 Res : 91-22-2683 3777, Mob: 98210 18579

E-mail: hitenkshah@hotmail.com/ hitenks@vsnl.com **Website:** www.riddhipharma.com

FACTORY : Riddhi Estate, Gulab Nagar, Opp. AEC, Amraiwadi, Ahemdabad-380 026. India.

Tel.: 91-79-2740683/737 Fax : 91-79-22740737/26427963 Mobile : 94263 72646



AUTOMATIC VOLUMETRIC LIQUID BOTTLE FILLING MACHINE

DESCRIPTION

Automatic volumetric liquid bottle filling machine work on volumetric principle with diving nozzles. The unit is made compact, versatile & enclosed in stainless steel elegantly matt finished body, consist of S.S. Salt Conveyor, Reciprocating Nozzle with self centering devices & S.S. Syringe. No container No filling system arrangement is standard features of the machine. The main drive of the machine and conveyor drives consist of A/c Motor with A/c Frequency drive.

OPERATION

Containers moving on S.S. Slat conveyor, feed below the filling nozzles through a twin pusher system. The twin pusher system and reciprocating nozzles are precisely matched for centering of container below nozzles, to avoid spillage of liquid on container, To minimize foaming adjustable nozzles will reciprocate according to filling doze, nozzle will go upwards slowly from bottom level of bottle towards neck during filling. The dosing block with a hexagonal bolt fitted below syringes. This means different fill size can be easily set.

TECHNICAL SPECIFICATION

Model	RALF-100	RALF-150	RALF-200
Out put/Hour	2400 to 6000*	3600 to 9000*	5000 to 12000*
Direction of movement	Left to Right		
Number of head/syringes	4 Nos.	6 Nos.	8 Nos.
Electrical Main Machine	1 HP/415 Volts50 Hz. (1.5 HP if maximum vol. is 1000ml in single doze)	"	1.5HP/415Volts50 Hz. (2 HP if maximum vol. is 1000ml in single oze)
Specification Main Machine	0.5 HP/415 Volts/50Hz.	"	"
Height of Conveyor**	860mm to 910mm Adjustable	"	"
Machine Dimension**	2135mm (L) x 1150mm (w)x 1610mm (H)	"	2135mm(L)x1350mm (w) x 1650mm (H)
Case Dimensions	2350mm (L) x 1350mm (w)x1650mm (H)		2350mm(L) x1550mm (w) x 1650mm (H)
Net Weight	600 Kgs.	700 Kgs.	850 Kgs.
Gross Weight	850 Kgs.	950 Kgs.	1100 Kgs.
Change Parts required	(A) Syringes. (B) Nozzle (C) Inlet & outlet hos pipe		
Input Specification			
Container Neck Diameter**	Minimum 22mm**		
	Round Shape	(A) dia.28mm to dia. 100mm*** (B) Height 58mm to 240mm*** (Height option Other bottle height available)	
Container Size*	Flat / Square	(A) 15 mm to 100 mm (length) (B) 10mm to 50mm (Width) (C) 58mm x 240mm (Height)	



SALIENT FEATURES

- \pm 1% Filling Accuracy on single dose.
- No Bottle No Filling system
- Rigid vibration free construction for trouble free performance.
- S.S. Elegantly matt finished body.
- Elegant and easy control panel for total control on operation.
- Minimum change overtime, from one size to another container or fill size.
- Self lubrication UHMW-PE guide profile for SS slat chain provides low friction wear surface, smooth And noiseless conveying.
- Error code display on AC frequency drive on control panel.
- Drain tray around machine platform.
- Drip tray under the conveyor.
- Pneumatic bottles stopping arrangement.
- Synchronised two nos. A/c drive for main motor & conveyors belt.
- Safety guard for conveyor gear box, motor, and pneumatic cylinders.
- MCB for over load protection, and prevention against short circuit.
- Inbuilt protection against over current, Voltage fluctuation, Short circuit in AC frequency drive.

OPTIONAL FEATURE

- Automatic chain washing system for conveyor belt.
- In-built pre-inspection.
- Acrylic cabinete.
- Acrylic cover on conveyor.
- Nitrogen flushing.
- Float tank (Holding Tank) with or without stirrer.

UTILITY REQUIRMENT

Electrical Supply : 3 Phase+Neutral+Earthing
Electrical load : 2 KW
Air Pressure : Minimum : 6 bar pressure 0.5 CFM

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MUMBAI OFFICE: Om-shivam soc., Tarun Bharat Bldg. No.2, Opp. Cigaratte Factory, Sahar Road, Andheri (East), Mumbai - 400 099. Maharashtra, India Tel.: +91-22-28321332 / 28382479 Mobile: +91- 9821018579

Skype : hiten.k.shah **Whatsapp :** 9821018579 / 9969994187 **Email:** hkshah@riddhipharma.com

Web : www.riddhipharma.com / www.riddhipharma.net

REGD. OFFICE & FACTORY : Riddhi Estate, Gulab Nagar, Opp. AEC, Amraiwadi, Ahmedabad - 380026. India.