

## Semi Automatic Volumetric Liquid Filling Machine



(Photograph is for the reference purpose only. Machine Construction & Specification are subject to change without prior Notice due to Continues up-gradation Process)

### Specification of the Equipment

#### Machine's Basics:

Production Speed Per Hour	1200 to 3600 Products per Hour (Speed Depends upon the Number of Filling Heads & Operator's Skill)
Number of Filling Head Available	2 Head / 4 Head / 6 Head.
Filling System	Volumetric Syringe Based (Suction from Bottom Tank)
Suitable for Products	Free Flowing Liquids
Application	Filling Liquids in to the Bottles / Pouches / Containers
Volume Capacity (Range of Syringe)	5 ml to 30 ml 25 ml to 110 ml 50 ml to 250 ml 200 ml to 1000 ml 1000 ml to 2500 ml  (Any one of the above will be given with machine. For other range need to go for Extra Set of Change Parts at Extra Cost)
Filling Volume Accuracy	+/- 1 %
Rejection Ratio During Production	1%
Working Height	Table Top Model
Machine Weight	Approx 80 Kgs
Machine Dimension	Approx - 2 (L) x 2 (W) x 2 (H) - in Feet
Change Parts (Optional)	Depends up on the Volume Range to fill.

### **Machine's Material of Construction**

Machine Main Base Frame	M.S or S.S. 304
Machine Coverings	Complete in S.S. 304
Product Contact Parts	S.S. 304
Non Contact Parts	S.S / M.S / Aluminium / Teflon (Whichever is applicable)
Bearings	SKF / NTN
Plating(Wherever Applicable)	ENP / Zinc / Hard Chrome / Blackening
Diving System (If Require)	IGUS
In let & Out Let Pipes	PVC Pipes
By-Pass Pipes	Silicon

### **Machine's Electronics & Pneumatics Components**

Motor Make	0.5 H.P Hindustan / Remi / Bonfiglioli / Bonvario
Gear Box Make	Shacon
VFD Make (If Require)	0.5 H.P Delta
Electrical Wiring	Ferule Numbering on all the wires with Proper Markings
Electrical Components	ABB / L&T / Siemens Make
Foot Switch	Any Indian Local Brand
Production Counter (If Require)	SELECT

### **Machine's Power & Air Consumption Requirement**

Power Consumption	0.5 H.P / 230 V.AC
Phase	Single Phase

### **Machine's Servicing & Maintenance**

Maintenance of Machine	Weekly Oiling & Greasing is Required for smooth functioning of Machine
Machine Cleaning	Advisable to clean machine regularly for smooth functioning of Machine

**Optional Accessories (If Required by Customer at Extra Cost)**

1. Diving System
2. Variable Frequency Drive
3. Buzzer System
4. Production Counter
5. Base Table with Frame for Mounting the Machine.
6. S.S By-Pass
7. S.S. Flexible Pipes in Case of Hazardous Product
8. Flame Proof Motor & Control Panel

**Machine's Utility Requirement (Customer need to Arrange)**

1. Voltage Stabilizer to control power fluctuation
2. Main Electrical Power Input till Machine
3. Well Trained Operator for Operating the Machine
4. Un-Skilled Helper to help the Operator.