

## *Closed Ampoule Filling and Sealing Machine AFS – 30/55/100C*



The automatic closed ampoule filling and sealing machine is made to use for filling and sealing operations. The working of the machine is significantly based on the principle of slant travel of ampoules while filling and sealing. The main areas in which the automatic closed type ampoule filling machine can be used include, ampoule neck dimensions and thickness of available standardized ampoules. There is a filling unit incorporated inside the machine that helps in accomplishing matt finish. Machine stands appropriate for usage in the areas of Pharmacy, cosmetics, agriculture and the chemical industries also.

### **Characteristic Features**

- The closed ampoule filler and sealer is a cGMP based model appropriate for filling and sealing of type 'D' ampoules.
- All the contact and non contact parts are well configured with stainless steel 316 L and stainless steel 304 L respectively.
- Also appropriate for pre-sterilized or pre-washed closed mouth ampoules
- Works over the principle of 'no ampoule-no filling' system.
- Chances of ampoule neck centering during the time of gas flushing and filling operations.
- Full accessibility and flexible maintenance
- Configured with pre warming station and works with minimum change over time
- Automatic collection of ampoules in SS tray in an upright position
- The areas of usage of the closed ampoule filling and sealing machine include, human and veterinary medicines, cosmetics liquids industry, chemical and biological industry and agriculture industry also.
- Equipped with nearly four glass flow meters that are essential for vital functions inside the closed ampoule filling and sealing machine.
- Functions with a filling accuracy of  $\pm 1\%$

- Equipped with a filling type of piston pumps volumetric
- LPG and Oxygen count for necessary gases

## Technical Specifications

Here are the technical specifications for the product:

MODEL	AFS – 30C	AFS – 55C	AFS – 100C
Direction of movement	Left to right	Left to right	Left to right
Production Output	15 to 30 Ampoules/Minute	30 to 50 Ampoules/Minute	50 to 100 Ampoules/Minute
	(depends upon ampoule size)	(depends upon ampoule size)	(depends upon ampoule size)
No. of Filling Heads	Single	Two	Four
Ampoule Size	1ml to 10ml	1ml to 20ml	1ml to 5ml
Filling Accuracy	-±1%	-±1%	-±1%
Power Supply	1 H.P.	1 H.P.	1 H.P.
Electrical Characteristics	220 Volts, Single Phase, 50 Hertz	220 Volts, Single Phase, 50 Hertz	220 Volts, Single Phase, 50 Hertz
Opening & Sealing Gas	LPG + Oxygen (O <sub>2</sub> )	LPG + Oxygen (O <sub>2</sub> )	LPG + Oxygen (O <sub>2</sub> )
Nitrogen Pressure Required:	1kg/Cm <sup>2</sup>	1kg/Cm <sup>2</sup>	1kg/Cm <sup>2</sup>
Oxygen Pressure Required:	1kg/Cm <sup>2</sup>	1kg/Cm <sup>2</sup>	1kg/Cm <sup>2</sup>
LPG Pressure Required:	0.5Kg/Cm <sup>2</sup>	0.5Kg/Cm <sup>2</sup>	0.5Kg/Cm <sup>2</sup>
Overall Dimension	1100mm (L) x 650mm (W)	1200mm (L) x 800mm (W)	1400mm (L) x 1150mm (W)
	x 965mm (H)	x 965mm (H)	x 965mm (H)
Net weight	110 Kgs. Approx.	200 Kgs. Approx.	350 Kgs. Approx.