

Two Head Ampoule Filling and Sealing Machine DFS-55



The Automatic two head ampoule filling and sealing machine is used in the Pharmaceutical industry for the filling and sealing of ampoules. The double head ampoule filler works on the principle of slant travelling of ampoules during filling and sealing of ampoules. The compact ampoule filler machine is made considering the neck dimensions, thicknesses and ovality of available ampoules in Indian industries. Ampoule sealer machine is built on a stainless steel frame having a matt finish. A large opening is provided at the bottom of the machine for easy cleaning. A pendant type electrical control panel is given for the safety and control of filling and sealing operation. The machine is suitable for filling and sealing of ampoules of size 1ml to 25 ml. The production capacity of the ampoule sealer machine is 40 to 50 ampoules per minute. The machine is equipped with a variable frequency drive for regulation of motor speed.

Process of operation

The sterilized dry ampoules are loaded directly fed into the hopper. The harmonized starwheel transfers the ampoules to a receiving rack. The receiving rack further delivers the ampoules to the moving rack and transfers them to the machine through pre-gassing. While the ampoules stay in the Pre-gassing, Filling, Post Gassing, Pre-heating & sealing stations, the filling and sealing operation is completed. A stainless steel collection tray automatically collects the filled and sealed ampoules.

Salient features:

- Ampoule gas centering
- AISI 316L dosing syringes
- No ampoule - No filling system
- equipped with pre-warming station
- Minimum change over time, little maintenance, easy cleaning
- Production Rate of 40 to 50 Containers
- Pre and post nitrogen flushing unit

Technical features

Here are the technical specifications of the product:

MODEL	DFS-55 (Slant Travel) Off-Line model
NO. OF HEAD	Two
AMPOULE SIZE	1ml to 25ml (Dia. 10mm to 22mm)
PRODUCTION / MINUTE	40 to 50
FILLING ACCURACY	± 1%
FILLING TYPE	Piston Pumps Type Filling (Volumetric)
REQUIRED GAS FOR SEALING	LPG + Oxygen
PRE HEATING	Available
NITROGEN FLUSHING	Available (Pre & Post)
CONTACT PARTS	Stainless Steel 316
NON-CONTACT PARTS	Stainless Steel 304 / M.S. Powder Coated / Nickel Plated
POWER REQUIRED	0.5 H.P., 380-415V, 3Phase, 4 Wire Systems
DIMENSION	970mm (L) X 715mm (W) X 1000mm (H)
NET WEIGHT	150
GROSS WEIGHT	380 Approx