

Eight Head Ampoule Filling and Sealing Machine DFS-8



The automatic eight head ampoule filling and sealing machine is manufactured for the filling and sealing of glass ampoules in various industries. It consists of eight heads for the filling and sealing process. Eight head ampoule filler and sealer finds vast application in the pharmaceutical, chemical and cosmetics industry. Its a high speed ampoule filling and sealing machine which works on the principle of slant travelling of open glass ampoules during filling and sealing. The sterile ampoule filling machine considers the wide variation of ampoule neck dimensions, thickness of Indian standard ampoules. The injectable ampoule filling and sealing machine is manufactured in a stainless steel pipe frame with matt finish. A large opening is provided at the bottom of the sterile ampoule filling machine for cleaning. For safety and convenience of operation an electrical control panel is given at the top of machine.

Process of operation

The washed, sterilized and dry ampoules are fed to the loading hopper of the machine from left side. Eight ampoules are fed to a receiving rack through a synchronized star wheel. A horizontal moving rack collects eight ampoules from the receiving rack. The moving rack further transfers the ampoules via pre-gassing. Pre-gassing, Filling, Post Gassing, Pre-heating & sealing stations. This completes the process of filling and sealing of ampoules. A vertical stainless steel tray collects the filled and sealed ampoules.

Salient features:

- Self centering grippers for holding and easy transfer of ampoules
- “No ampoule No filling” function
- Separate motor for Dosing Syringes
- Production output of 80 to 250 ampoules / minute
- Piston Pumps Type Filling
- Suitable for ampoule size of 1ml to 10ml

- Pre and post Nitrogen flushing
- Variable frequency drive for speed control
- Drip free adjustment for different media
- Micro metric adjustment of syringes

Technical features

Here are the technical specifications of the product:

MODEL	DFS-8 (Slant Travel) Off-Line model
NO. OF HEAD	Eight
AMPOULE SIZE	1ml to 10ml (Dia. 10mm to 18mm)
PRODUCTION / MINUTE	80 to 250 Depend on size
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	2 H.P., 380-415V, 3Phase, 4 Wire Systems
DIMENSION	1550mm (L) X 800mm (W) X 1050mm (H)
NET WEIGHT	550
GROSS WEIGHT	800 Approx