Vacuum Chamber VDC-20

ADOfil®

A vacuum chamber for a glue dispensing machine is an enclosed vessel used to remove trapped air bubbles from adhesive materials or from a component after the adhesive has been dispensed. It helps improve the quality of potting, encapsulation, bonding, and other precision dispensing applications.

For ADOfil's dispensing machines, the most suitable arrangement depends on whether the customer wants to remove air from the adhesive before dispensing or remove air pockets from the component after dispensing.



Key Features

- Helps remove trapped air bubbles from adhesive materials and potted components.
- Maintains the required vacuum level for consistent processing.
- Helps reduce voids, air pockets, and defects in potting and encapsulation.
- Designed for reliable industrial operation under vacuum conditions.
- Integrated vacuum gauge for easy monitoring of chamber pressure
- Timer Setting available to ensure preset vacuum duration.

Applications

- **Electronics Potting and Encapsulation**
- **PCB Encapsulation**
- **Transformer and Coil Encapsulation**
- **LED Encapsulation**
- **Doming sticker manufacturing**

Specifications

Application	Vacuum degassing of adhesive / resin / hardener before dispensing or after dispensing.
Chamber Type	Vacuum-tight rectangular chamber.
Chamber Material	Aluminum & SS304
Chamber Capacity	20 L having dimensions 30 cm (L) x 30 cm (W) x 22 cm (H).
Working Vacuum Absolute Pressure	1 to 10 Torr (mmHg) gauge pressure.
Vacuum Pump	Dry Vacuum Pump 0.5HP.
Vacuum Port	1/4", 3/8” depending on chamber size.
Vacuum Gauge	Analog Vacuum Gauge.
Vacuum Control	Manual Valve and Solenoid Valve with automatic vacuum control.
Lid	Hinged transparent top lid for interior visibility of the chamber.
Viewing Window	Toughened glass.
Sealing	Silicon Seal
Maximum Operating Temperature	Adjustable up to 70°C through HMI.
Safety Feature	Vacuum-rated chamber, pressure/vacuum relief arrangement.
Control	Vacuum ON/OFF and adjustable vacuum level through HMI.
Power Supply	230 VAC, 50 Hz, 1 Phase (typical).
Vacuum Holding	Designed for continuous vacuum holding during degassing.
Mounting Type	Table benchtop

Contact for Sales & Service

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