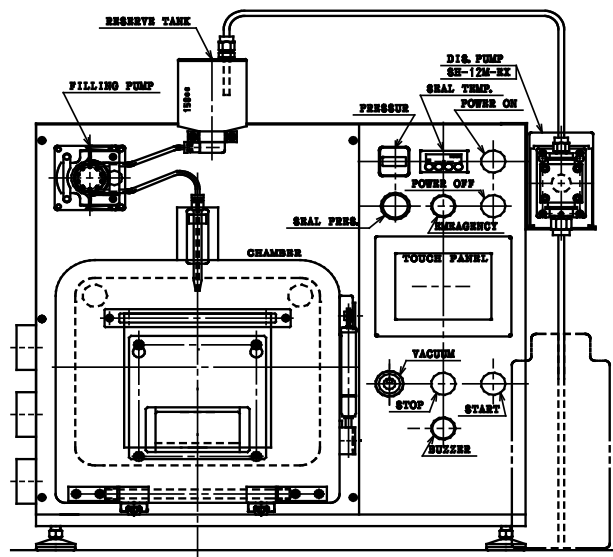


Vacuum Filling Machine with Heat Sealer



Overview

This machine "VD1000A" fills the electrolyte into the batteries and capacitors under vacuumed atmosphere. It is filling equipment for laminate cells. It is designed for the glove BOX and the dry room under argon atmosphere. The filling volume is measured with the motor drive pump accurately, and the volume is easily adjusted as required. It is possible to adjust the filling speed by the filling volume control pump. It is possible to watch the filling procedure by visual because electrolyte is filled from the stock tank into the battery through the filling volume control pump. It corresponds the filling condition depends on the type of batteries and electrolyte because the vacuum, the holding, the filling, and pressurizing conditions can be individually set. The heat seal is operated under vacuum condition after the electrolyte is filled into the laminate cells. It is highly accurate to fill without sticking of electrolyte into the vacuum pump. It is possible to control the vacuum level and the filling speed with the manual operation.

Specification:

Model No.	VD1000A
1) Application	Electrolyte Vacuum Filling Machine for Laboratory
2) Power source	AC100V, 50/60 Hz 10A
3) Control	Sequence controller
4) Pressure source	0.5 MPa
5) Size applicable	150x150x10t
6) Sealed Size	7x150mm
7) Sealed temperature	Below 260°C
8) Overheat temperature	300°C
9) Electrolyte pump	SH-12M-EX
10) Electrolyte tank	170cc with MAX Switch
11) Filling Speed	0.9cc/sec
12) Filling volume	Below 150cc
13) Max inlet pressure	Below -97KPa
14) Dimensions	500(W)x480(H)x367(D) (Main Body)
15) Weight	30 kg (Main body) 30 kg (Vacuum pump)