



Suitable for breather or foil pouches up to 300mm x 350mm

Developed specifically for the medical devices industry now available through RDM Test Equipment is a unique sealer that has the ability to gas flush and draw a vacuum on medical Device pouches in an attempt to control the atmosphere within the pouch.

The machine has a separate control tower which houses the display and control panel for the VS-1. The display has menu pages, which allows the operator to setup the parameters for flush, vacuum suction and sealing. The main display shows all the control parameters with bar scales for temperature, pressure, dwell time of the sealing bar, timed flush cycle, timed vacuum cycle, number of cycles required and sealed pouch count.

The temperature and pressure can be set against low and high alarm points that inhibit the sealing cycle should there be a breach.

The tray mechanism moves in and out to allow the operator to load the pouch onto the tong providing the flush and vacuum operation and then when loaded, two handed operation begins the complete cycle on a semi-automatic operation.

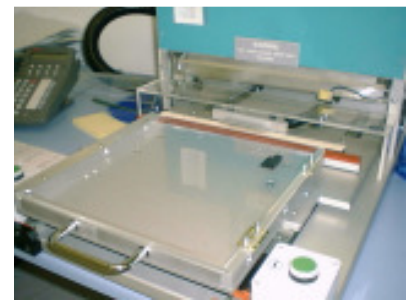
Because the machine can be set up and used at an infinite number of control parameters the best flush/vacuum/sealing cycle can be set to suit your pouch and produce consistent and reliable seals.

Specication:

Pouch size:	Minimum 125mm x 200mm, Maximum 300mm x 350mm
Pouch material:	Breathable or foil
Seal Clearance:	Requires at least 25mm at the top of open pouch before the seal
Temperature Control:	PID auto tune control
Temperature range:	Top sealing bar ambient to 300°C, accuracy +/- 2°C Bottom sealing bar ambient to 100°C +/- 5°C
Sealing Bar:	Top - Coated Teflon aluminium sealing bar 400mm x 10mm Bottom - Silicone rubber 60 shore 400mm x 20mm
Pressure Control:	Via voltage to pressure regulator
Pressure:	Compressed air (clean and dry) supply 90-115 psi Jaw pressure 0 - 120 psi, accuracy +/- 2 psi
Dwell time:	0 - 30.0 sec, accuracy +/- 0.1 sec
Gas Flush:	Nitrogen or Carbon Dioxide max. 30 psi. Electronic sensor detects presence of gas. Cycle can be selected as 1 -3 cycles with timed on/off
Vacuum draw:	Venturi valve generated vacuum to draw out gas. Can be included or excluded from cycle. Timed On/off for effective draw. Also partial vacuum set so machine is drawing vacuum when sealing operation is applied. Vacuum efficiency is better than 90% using compressed air supply
Clamp bars:	Clamp bar for flush cycle to hold material over tong, bar is usually smaller than width of pouch to allow gas to escape Clamp bar for vacuum cycle, bar is wider than pouch to block off outside atmosphere.
Tray:	Holds pouch and restricts the ballooning effect with perspex lid and restraining bar Adjustable pouch bars to align pouch Tray moves in at start of cycle and out at finish of cycle
Alarms:	Temperature - band low/high 0-20°C Pressure - low and high selectable Flushing gas presence minimum value set
Guarding:	Micro-switches on rear, front and tray lid
Cycle Start:	Two handed press buttons to start cycle
Display Panel:	MMI display panel with membrane key pad for input of settings F1 Auto Screen page 2 F2 Inputs and output show which component is on/off F3 Help screen F4 Parameter set screen F5 Pressure units select F6 Tool number save (allows different setups to be stored)
Password:	Protected by password for setup, engineering and calibration screens
Power:	240V AC 50 Hz 1200VA (110V AC 60Hz 1500VA version available) Safety relay with panel reset on power up
Air Supply:	Clean and dry 90 to 115 psi compressed air
Dimensions:	Sealing unit 450mm x 600mm x 450mm Control tower 400mm x 400mm x 500mm
Weight:	Total weight 65Kg
Connecting pipe:	2 meters of connecting conduit from sealing head to control tower



Separate control tower



Separate sealing head with in/out tray



Main screen with bar scale for temperature, pressure and dwell time, flush and vacuum cycles



Pouch in place over tong which provides Flushing and vacuum draw.

Distributed by:



Equipos de control de calidad

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