



VS-1 Vacuum Nitrogen Flush Sealer



RDM

TEST EQUIPMENT

Specification

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 tongue, 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



Requirements

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 and Nitrogen
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