

VACUUM LEAK TESTER FOR BOTTLERS

Bubble Emission Method

Custom solutions for leak testing bottles, vials or other rigid packaging

DESCRIPTION

The **SureVac Auto** bubble emission leak tester can be used to test for leaks bottles or vial or any rigid packaging containing a headspace. Test the cap or induction seal for leaks. MDC designs and builds custom systems within a various tank sizes, cage configurations and vacuum capabilities.



SureVac Auto SVA with 32-bottle removable cage



Induction seal or cap leak test



Visual leak detection

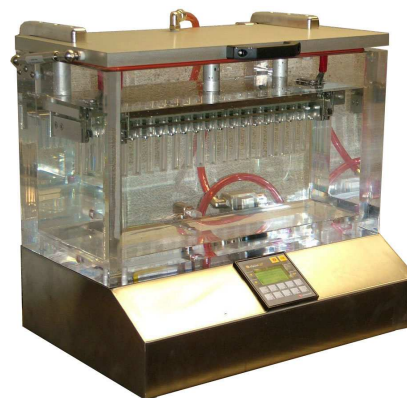
FEATURES

- Automatic and manual modes
- Real-time, digital display of vacuum level
- Automatic pull-down to preset level
- Programmable ramp up, ramp down and hold time
- Up to 5 user-configurable tests
- High impact vacuum chamber
- Custom tank and product cage
- Fully validatable
- Package hold down
- Auto float valve
- Manual drain
- Fill level gradient
- Vacuum transducer
- NIST traceable calibration
- Rugged construction
- Reject pushbutton and data acquisition

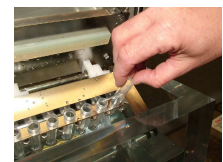
USES

- Leak Detection to 50 microns
- Cap, induction seal or weld seal integrity
- Correlate to capper or seal head
- Altitude Simulation
- Package Development

Consult factory for recommendations.



Model SVA-17-07-07 with vial tooling



GENERAL TECHNICAL SPECIFICATIONS*			
TESTING Leak tests: ASTM Standards: Vacuum range**: Measurement Accuracy: Resolution: Modes: Calibration: Standards: CONTROLLER Control: HMI display: Communication: Real-time clock:	Vacuum Leak Test by Bubble Emission D-6653, D-3078, D-4991 (depending on configuration) 0-24" Hg Venturi model 0-29" Hg High Vacuum Units (**T = 68°F, RH = 0%, Alt = 0 FT) +/- 0.5% full scale (depends on calibration limits) Min 0.1" Hg Selectable Auto or Manual Certifiable (NIST) Meets or exceeds NIST, ASTM, FDA, GMP PLC-based system 128 x 64 LCD with membrane keys RS-232/RS-485 (USB optional) 7 year typical battery backup	UTILITIES Venturi Models Air Source: Power Source: HV Models Air Source: Power Source: ENVIRONMENT Temp range: Relative Humidity: Mounting: CONSTRUCTION Tank: Base: Hardware:	90 PSI, 7 SCFM 100-240VAC, ~0.5A, 50-60 Hz 90 PSI, 1 SCFM See vacuum pump selection. 32-122°F (0-50°C) 10% to 95% (non-condensing) Level surface or desktop Acrylic 300 Series Stainless Steel Anodized Aluminum and Stainless Steel

*(subject to change without notice)

VACUUM PUMPS FOR SVA-HV UNITS				
Pump No.	Description	CFM	HP	SureVac Power
A02541	Vacuum Pump, Medium Flow, 29" Max Vacuum at SureVac, Complete assembly, includes vacuum filter.	2.6	0.2	208-220 VAC, single phase, 60 Hz
A02542		2.6	0.2	115 VAC, single phase, 60 Hz
A02543	Vacuum Pump, High Flow, 29" Max Vacuum at SureVac, Complete assembly, includes vacuum filter.	8.5	0.75	208/230/460 VAC, 3 phase, 60 Hz
A02544		8.5	0.75	115 VAC, single phase, 60 Hz

SUREVAC OPTIONS (Venturi and HV)		
Part No.	Option	Description
A02548	Calibration Gauge Kit, NIST Certified	NIST certified vacuum gauge for calibration of SureVac leak testers. Includes fittings and NIST traceable certificate.
A02549	Vacuum Package Test Kit	Needle assembly required for testing vacuum packages or packages with minimal air space in SureVac leak testers.
A02539	Reject Pushbutton	Handheld pushbutton for recording failure vacuum level. Includes 6 ft lead with mating plug.
DAQ	Data Acquisition Software	Data acquisition software captures operator recorded failure vacuum level, test ID, date and time stamp. Reject pushbutton option required.
Validation	Validation Document	Validation document. IQ, OQ and PQ of SureVac unit.
P07958	Cleaning Solution	Cleaning solution for the care of SureVac acrylic tanks.

