



MDC Engineering, Inc.
 1701 Desoto Rd.
 Sarasota, FL 34234
 Ph: 941-358-0610
 www.mdcengineering.com

SUREVAC

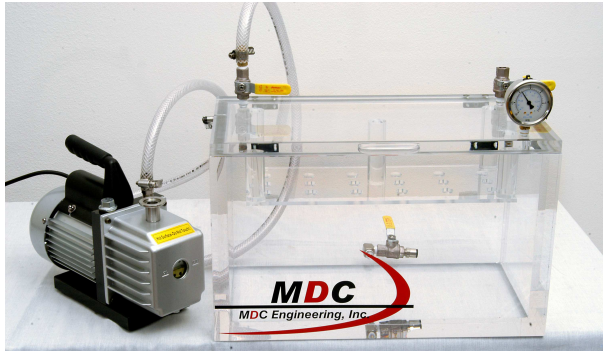
MANUAL

Technical Specification

VACUUM LEAK TESTER

Bubble Emission Method

For leak testing of rigid and flexible packaging, bottles and vials.



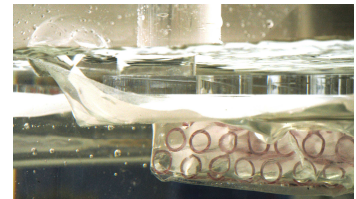
Model SVM-17-07-07 (shown)

DESCRIPTION

The **SureVac Manual** bubble emission leak tester can be used to test for leaks in flexible or rigid packaging containing a headspace. Several models are available with various tank sizes and vacuum capabilities and custom designed software to meet the needs of your application.

FEATURES

- Analog vacuum gauge
- Manually adjustable vacuum regulator
- Manual valves for venting and vacuum source
- High impact vacuum chamber
- Package hold down
- Auto float valve
- Manual drain
- Fill level gradient
- NIST traceable calibration
- Rugged construction



USES

- Leak Detection to 50 microns
- Altitude Simulation
- Seal Integrity
- Package Development

Select model based on your testing requirements and product size. Consult factory for recommendations.

SUREVAC MODEL		TANK INTERNAL (usable)			OVERALL UNIT						
Compressed Air (Venturi)	Electric (Pump Required)	W	D	H	W	D	H	Wall Thick.	Weight (lbs)	Gal.	Filled (lbs)
SVM-17-07-07*	SVM-HV-17-07-07	17.5	7.5	6.9	21.9	12.0	20.5	1.25	40	3.8	72
SVM-20-16-08	SVM-HV-20-16-08	20.0	16.0	8.0	25.4	21.0	22.1	1.50	60	5.3	174
SVM-24-10-07	SVM-HV-24-10-07	24.0	10.0	6.6	28.5	14.8	19.9	1.25	62	6.6	115
SVM-27-08-04	SVM-HV-27-08-04	27.0	8.0	4.4	31.4	12.8	17.7	1.25	36	4.1	70
SVM-36-20-07	SVM-HV-36-20-07	36.0	20.0	7.0	41.6	25.0	21.2	1.50	251	20.6	433
Custom Tank Sizes Available	Consult Factory										

*stock to 2 weeks



MDC Engineering, Inc.
 1701 Desoto Rd.
 Sarasota, FL 34234
 Ph: 941-358-0610
 www.mdcengineering.com

SUREVAC

MANUAL

Technical Specification

GENERAL TECHNICAL SPECIFICATIONS*			
TESTING Leak tests: ASTM Standards: Vacuum range**: Measurement Accuracy: Calibration: Standards: ELECTRICAL: Air Source: Power Source:	Vacuum Leak Test by Bubble Emission D-6653, D-3078. D-4991 (depending on configuration) 0-29" Hg High Vacuum Units (**T = 68°F, RH = 0%, Alt = 0 FT) +/- 1% mid scale Certifiable (NIST) Meets or exceeds NIST, ASTM, FDA, GMP Compressed air units: 7 SCFM, 90 PSI Electrical HV units: no compressed air required See vacuum pump selection	ENVIRONMENT Temp range: Relative Humidity: Mounting: CONSTRUCTION Tank: Hardware:	32-122°F (0-50°C) 10% to 95% (non-condensing) Level surface or desktop Acrylic Anodized Aluminum and Stainless Steel

*(subject to change without notice)

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

SUREVAC MANUAL OPTIONS		
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.
P07958	Cleaning Solution	Cleaning solution for the care of SureVac acrylic tanks.
A01089	Moisture Separator with Auto Shut Off	Wall mounted, 1.5 gallon moisture separator with level switch for auto shut off. Protects vacuum pump from water intrusion.