

FLEXSTATION™

PRODUCTION HELIUM LEAK TESTING WORKSTATIONS



FlexStation™ is a highly adaptable helium leak testing system engineered to give you both flexibility and low cost—an ideal match for production leak testing requiring low to medium production volumes. Based on modular building blocks, FlexStation™ systems are configured to meet your specific needs and can be easily modified to meet your changing requirements.

FlexStation™ provides complete automated control of the leak test cycle, and is often combined with a custom test fixture or vacuum test chamber to make a complete turn-key solution.

CONFIGURATIONS

FlexStation™ Leak Detectors are available in the following configurations:

BT-1000 SERIES.

Bench Top Systems

WS-1000 SERIES.

Portable Workstations

CC-1000 SERIES.

Custom Configured Systems

RELIABILITY

- Proven components and design – incorporating Inficon Modul 1000 mass spectrometer
- 3-year ion source warranty
- 2-year warranty on all other components



Inficon Mass Spectrometer

SOFTWARE

- Allow for complete automated control of the leak test cycle
- Internal and external calibration to helium leak standard
- Programmable timers and limits
- Control of external valves
- Control of helium charging process

FLEXIBILITY

- Configuration options include:
 - Accommodation for any part size or type (up to over 1000 liters)
 - Various pumping options in roughing and measure (test) mode
 - Use of oil-sealed or dry vacuum pumps
- Interface with PC or PLC (available, but not required)
- Protect your investment with easy upgrades or reconfiguration



WS1000

SPECIFICATIONS

DETECTION RANGE	0.1 to 5 x 10 ⁻¹² atmcc/sec
HELIUM PUMPING SPEED	2.5 l/sec
MAXIMUM INLET PRESSURE	0.3 torr
INTERFACE	Menu driven, easy to use, graphical operator interface
INTERFACE TYPE	Choice of two operator interface types: panel or table mount
CHART RECORDER OUTPUT	2 x 10 V, programmable, log/linear
OUTPUTS	23 each relay contacts (Status, Valve Control, Setpoints)
CONTROL INPUTS	8 each PLC compatible
PC INTERFACE	RS232

FLEXSTATION™ STANDARD CONFIGURATIONS

BT-1000 SERIES: BENCHTOP LEAK DETECTORS

- Inlet/Test Port: NW25
- Display: Table-top

MODEL	FORE PUMP	ROUGH PUMP	ROUGH VALVE	APPLICATION
BT-100S	3.5 cfm, oil-sealed	forepump	integrated	sniffing, small parts
BT-1010	7 cfm, oil-sealed	forepump	integrated	small parts
BT-1020-E	15 cfm, oil-sealed	forepump	nw25, electromagnetic	small to medium parts
BT-1012-E	3.5 cfm, oil-sealed	15 cfm, oil sealed	nw25, electromagnetic	medium parts, contaminated
BT-1030D-E	8 cfm, dry	forepump	nw25, electromagnetic	small to medium parts
BT-1040D-E	16 cfm, dry	forepump	nw25, electromagnetic	medium parts

WS-1000 SERIES: WORKSTATION LEAK DETECTORS

- Inlet/Test Port: 1 1/8", NW25 or NW40 (adaptors included)
- Display: Panel Mount

MODEL	FORE PUMP	ROUGH PUMP	ROUGH VALVE	APPLICATION
WS-1012-E	7 cfm, oil-sealed	15 cfm, oil-sealed	NW25, electromagnetic	small to medium parts
WS-1012-P	7 cfm, oil-sealed	15 cfm, oil-sealed	NW25, pneumatic	small to medium parts
WS-1015-E	7 cfm, oil-sealed	24 cfm, oil-sealed	NW40, electromagnetic	medium to large parts
WS-1015-P	7 cfm, oil-sealed	24 cfm, oil-sealed	NW40, pneumatic	medium to large parts
WS-1074D-E	0.8 cfm, dry	16 cfm, dry	NW25, electromagnetic	medium parts
WS-1074D-P	0.8 cfm, dry	16 cfm, dry	NW25, pneumatic	medium parts
WS-1076D-E	0.8 cfm, dry	22 cfm, dry	NW40, electromagnetic	medium to large parts
WS-1076D-P	0.8 cfm, dry	22 cfm, dry	NW40, pneumatic	medium to large parts

AVAILABLE OPTIONS AND ACCESSORIES

- Automated Helium Charge Manifolds - to charge test part with helium
- Gas Backfill Stations - to evacuate and backfill test parts with up to three gases
- Helium Bombing Stations - to bomb sealed parts for leak testing
- Leak Test Chambers and Fixtures - all styles and sizes, custom and standard
- PC-based interface software for data logging, trending, multiple test recipes
- CalMaster™ Helium Calibrated Leak Standards