AccuFlux®

Filter Integrity Test Instrument

The AccuFlux® Integrity Test Instrument is a state-of-the-art, automated filter testing device for critical process applications. It performs the diffusional flow, pressure hold, bubble point and water intrusion integrity tests, using numerous advanced operating features. The AccuFlux® uses high speed data acquisition hardware and unique software algorithms to perform membrane filter integrity tests much faster than conventional instruments. It's graphical user interface allows ease-of-use and real-time monitoring of test parameters. The AccuFlux® delivers the highest accuracy, speed and precision in performing all industry standard integrity tests.

With precision mass flow meters and pressure sensors, the AccuFlux® directly measures diffusion in real time, independent of upstream volume. The TransVector™ system employs a unique pressure response algorithm to perform the bubble point test, drastically reducing test times, as compared to traditional methods.

The AccuFlux® instrument uses available desktop or laptop PC's and printers.

Design Features

- Graphical display shows real time measurements
- All tests performed on upstream side of filter installation, for aseptic operation
- Extremely sensitive, rugged mass flow meters
- Bubble point test performed using the unique TransVector™ system
- Manufactured in conformance with cGMP guidelines

Design Advantages

- Windows® graphical user interface with point and click software, for ease of use
- Direct measurement of mass flow eliminates errors and cuts time associated with pressure hold testing
- Bubble point test times reduced by up to 80%
- Isolated vent valve prevents liquid back-flow into the system, for improved service reliability and sterility
- Extensive validation documentation and qualification of software and hardware ensure compliance with industry standards and regulatory requirements

MEISSNER
FILTRATION PRODUCTS, INC.

Specifications

Minimum Hardware & Software Requirements

- Windows 95/98/2000, Windows NT v.4.0 or Windows XP
- Personal computer w/200 MHz Pentium processor
- VGA or higher resolution video adapter
- 4 MB hard disk space available
- 8 MB RAM
- RS232 communication port, Com 1 or Com 2

Operating Specifications

Pneumatic

Test gas:	Dry air
Min. gas inlet pressure:	Test pressure + 5 psig or bubble point + 30 psig
Max. gas inlet pressure:	125 psig
Test pressure range:	1-120 psig

System Resolution

Forward Flow test, ml/min:	0.1 mL/min
Pressure, psig:	0.1 psig

Accuracy of Sensors

0-10 mL/min scale:	± 0.1 (1% FS)
0-30 mL/min scale:	± 0.3 (1% FS)
0-50 mL/min scale:	± 0.5 (1% FS)
0-100 mL/min scale:	± 1.0 (1% FS)
0-250 mL/min scale:	± 2.5 (1% FS)

consult factory for other ranges

Pressure transducer:	± 0.25 psi (0.25% FS)
Pressure regulator:	± 0.3 psi (0.25% FS)

Electrical Connections

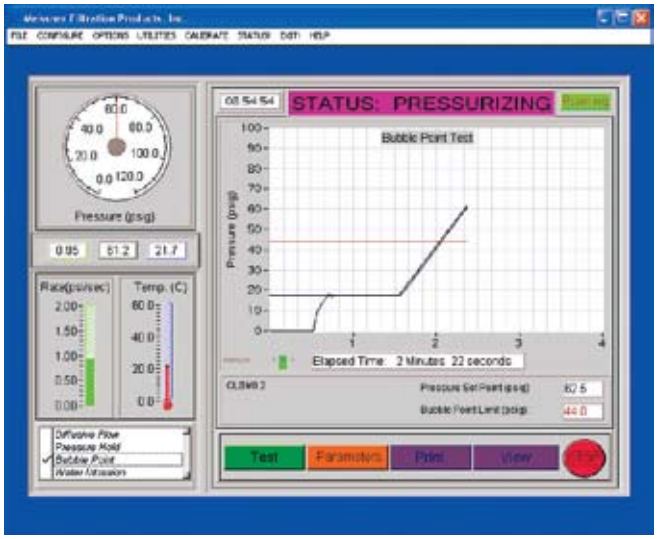
Input voltage:	110-120 VAC
Input frequency:	60 Hz

Physical Dimensions

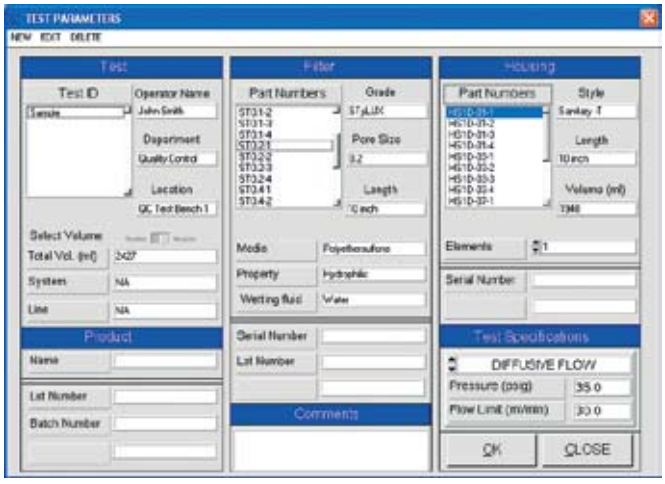
Weight:	22-26 pounds
Size:	6½" x 17" x 12¾", hwd

Environmental Conditions

Operating temperature range:	60°F - 80°F
Storage temperature range:	-4°F - 122°F
Maximum humidity:	95% R.H., No condensation



Main control panel features analog and digital display with continuous strip charting of real time process data



Parameters panel shows complete set of test parameters and specifications

Ordering Information

Product Description	Part Number
AccuFlux® automated filter integrity test instrument	Contact Meissner Filtration Products, Inc.

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