

Filter integrity testing without limits



Sartocheck 3 EPS is a fully automatic, microprocessor-controlled integrity tester including the External Pressure Sensor Technology. Sartocheck 3 EPS is especially designed for performing the Water Intrusion Test (WIT) with highest process reliability:

Accuracy

- Avoids interfering influences on the test results of the WIT based on height differences between filter housing and integrity tester. E.g.: WIT on Water for Injection storage tanks.
- No temperature influences on the connection between Sartocheck 3 EPS and filter housing due to data transfer by an electronic cable.

Flexibility

- No limitations on the distance between filter housing and Sartocheck 3 EPS up to 200 m with the delivered standard cable.
- Ideal for Clean room and EX proof areas.
- Control function via PLC interface, suitable for installation and communication between PLC (autoclaves, freeze dryer, filling machines, ...) and Sartocheck 3 EPS.

Sanitary Design

- The external pressure transducer can remain on top of the filter housing during in-line steaming of the filter system.

Validation

- Individual selectable password protected programming.
- Validatable data transfer via PMS interface (Process Management System).
- Comprehensive validation package is available including IQ and OQ Check lists.
- On-site Validation support by Sartorius validation experts.

Technical specifications

Power requirements	85 – 240 V AC, 47 – 440 Hz
Maximum power input	60 watts
Maximum operating pressure	9999 mbar
Internal limit pressure	7000 mbar
Dimensions (W × D × H1 × H2)	460 × 360 × 65 × 126 mm
Weight	11,2 kg
Measuring ranges	
Test pressure	100 – 6000 mbar
Pressure drop	0 – 999 mbar
System inlet volume (with external ref. Vessel)	max. 50000 ml
Measuring accuracy	
Internal relative pressure	± 12 mbar
Internal test pressure	± 0.2 % full scale
External relative pressure	± 6 mbar
External test pressure	± 0.1 % full scale
Pressure drop	± 1 mbar
Volume determination	± 4 %
Bubble Point	≤ ± 50 mbar
Operating conditions	
Ambient temperature	+ 15 °C to + 35 °C
Rel. humidity	10 – 80 %

Sartorius Sartocheck 3 EPS

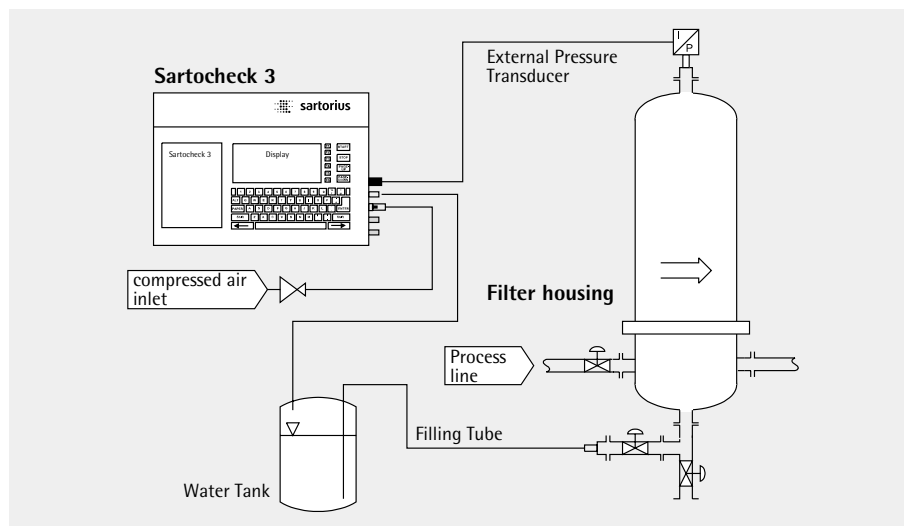
Equipment supplied

Sartocheck 3 EPS	16286-- --EPS
External Pressure Transducer	17011---003
Memory Card	83058-000-00
Tubing for compressed gas inlet	18104
Tubing for compressed gas outlet	18103
Ribbon cassette	6982141
Rolls of printer paper	6982142
Test certificate	
Calibration certificate	
Brief instruction	
Installation and operating instructions	
Mains lead (country-specific)	

Accessories

WIT-Kit, valve switch box to control 3 external valves	17005Z-----0003
External Pressure Transducer	17011---003
Memory Card	6982128
Validation package	16281

Test set-up of integrity testing for membrane filter for gas | air



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