



Porecheck 4 Integrity Test Unit

- water intrusion, pressure decay and bubble point testing

The Porecheck 4 is configured for water intrusion testing, pressure decay and bubble point testing. The Porecheck 4 comes in two versions:

- 'P' Pharmaceutical (CFR) - Allows traceability and audit tracking capability
- 'C' Certified - comes with password level protection

The Porecheck 4 brings true portability with its robust construction, battery operation, small footprint and lightweight design. The unit offers flexibility and reliability in challenging environments. All this within an instrument fully compliant with 21 CFR Part II.

Features and Benefits

- Designed to 21 CFR Part II and Annex II compliant environments
- Configurable to automatically flush and drain filters
- Automatic compensation when used on housings located 10 metres above instrument
- Robust waterproof stainless steel casing
- Maintains resolution and accuracy regardless of filter system size 0.1 to 32 litres
- Direct attachment to test disposable capsules
- Highly portable and mains independent
- 100 storable test programs defined in blocks
- 400 storable test results



Note: Porecheck is a registered trademark of Parker Hannifin Corporation.

Physical Parameters

Instrument Material.....	Stainless Steel 1.4301 (AISI 304)
Instrument Size.....	200 mm x 300 mm x 155 mm : 7.9" x 11.8" x 6.1"
Weight.....	8.6 Kg : 20 lb
Ingress Protection Class.....	IP54
Power Supply.....	Re-chargeable Battery (12V / 3.8 Ah) & Mains (90 - 230 VAC : 50 / 60 Hz)
Keyboard.....	USB wired - Alpha Numeric & Instrument Keypad - Numeric
Inlet Pressure Required.....	6.5 - 8.0 barg (94 - 116 psig)
Test Pressure Range.....	350 mbar to 6 barg (87 psig)
Pneumatic Connectors.....	Stäubli RBE 0.3 Style : Stainless Steel 1.4404 (AISI 316L)
Storage Temperature.....	2 - 50 °C (35.5 - 122 °F)
Ambient Humidity.....	1 - 80% RH
Display.....	LCD - 20 Character x 4 Lines - Back Lit
Printer.....	Internally Housed Impact Dot Matrix , 24 Characters per Line
Languages.....	English, French, German, Spanish, Italian & Danish
Software Protection.....	Stored in Flash - EPROM
Storable Test Programs.....	Up to 100 (in Flash - EPROM) Stored in 10 Blocks of 10 Programs

Test Accuracy

Water Intrusion Measurement Range (ul / t).....	100 - 99999
Resolution (ul).....	5
Accuracy (for a 10" cartridge @ 4000 ul / min).....	5%
Test Pressure (mbar).....	350 - 6000
Stabilisation Time.....	60 - 999 secs
Test Time (t).....	30 - 999 secs
Hardware Volume (ml).....	1 - 32000

Diffusional Flow Measurement (ml / min).....	1 - 999
Resolution (ml / min).....	0.1
Accuracy (for a 10" cartridge @ 16 ml / min).....	5%
Test Pressure (mbar).....	350 - 6000
Stabilisation Time.....	60 - 999 secs
Test Time (t).....	30 - 999 secs
Upstream System Volume (ml).....	1 - 32000

Bubble Point Measurement Range (mbar).....	450 - 5900 (min. 100 mbar above DF test pressure)
Resolution (mbar).....	1
Accuracy.....	1% FS

Instrument Options

	'P' Pharmaceutical	'C' Certified	Documentation
Storable Test Records.....	400	No	Installation, Operating & Maintenance Manual
USER Accounts.....	25	Unlimited	Checklist of Supplied Components
Access USER.....	Access Password & PIN	Open Access	Calibration & Pressure Vessel Certification
Access PROGRAMMER.....	Access Password & PIN	Access Password	CE Declaration of Conformity
Access ADMINISTRATOR.....	Access Password & PIN	Access Password	Operational Qualification Support Documentation
Record Output.....	Printed Records & RS232 Transfer	Printed Record Test Result Only	Laboratory Qualification Results
Audit Trail Record.....	256 Event Audit Trail	No	Suggested OQ Test Protocol