# 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

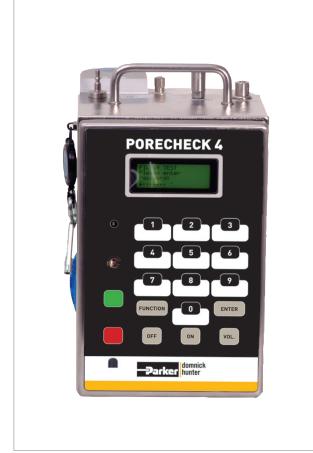
'C' Certified - comes with password level protection

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
- Automatic compensation when used on housings located 10 metres above instrument
- Maintains resolution and accuracy regardless of filter system size
   0.1 to 32 litres
- Highly portable and mains independent

- Configurable to automatically flush and drain filters
- Robust waterproof stainless steel casing
- Direct attachment to test disposable capsules
- 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
Instrument Size
Weight
Ingress Protection Class
Power Supply
Keyboard
Inlet Pressure Required
Test Pressure Range
Pneumatic Connectors
Storage Temperature
Ambient Humidity
Display
Printer
Languages
Software Protection
Storable Test Programs

Stainless Steel 1.4301 (AISI 304)

200 mm x 300 mm x 155 mm : 7.9" x 11.8" x 6.1"

8.6 Kg : 20 lb

IP54

Re-chargeable Battery (12V / 3.8 Ah) & Mains (90 - 230 VAC : 50 / 60 Hz)

USB wired - Alpha Numeric & Instrument Keypad - Numeric

6.5 - 8.0 barg (94 - 116 psig)

350 mbar to 6 barg (87 psig)

Stäubli RBE 0.3 Style : Stainless Steel 1.4404 (AISI 316L)

2 - 50 °C (35.5 - 122 °F)

1 - 80% RH

LCD - 20 Character x 4 Lines - Back Lit

Internally Housed Impact Dot Matrix , 24 Characters per Line

English, French, German, Spanish, Italian & Danish

Stored in Flash - EPROM

Up to 100 (in Flash - EPROM) Stored in 10 Blocks of 10 Programs

# **Test Accuracy**

Water Intrusion Measurement Range (ul / t)	100 - 99999		
Resolution (µl)	5		
Accuracy (for a 10" cartridge @ 4000 µl / 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		
	0.1		
Resolution (ml / min)	<del></del>		
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