PORECHECK IV

The perfect choice for the pharmaceutical industry



Parker domnick hunter, in conjunction with the pharmaceutical industry has reviewed the limitations and benefits of current integrity test equipment. This review has led to the development of the PORECHECK IV integrity test system which has been specifically designed with the needs of routine production users in mind.

The PORECHECK IV is configured for water intrusion testing, pressure decay and bubble point testing.

The PORECHECK IV comes in two versions:

'P' Pharmaceutical (CFR)
- allows traceability and audit tracking capability

'C' Certified
- comes with password level protection

This market leading system incorporates a range of design features unique to the PORECHECK IV bringing true portability, enhanced ease of use, flexibility and reliability in challenging environments. All this within an instrument fully compliant with 21 CFR Part 11.

- 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 150 litres
- Highly portable and mains independant
- 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



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	Remote Infrared - 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

	Standard	High Pressure
Water Intrusion Measurement Range (ul / t)	100 - 99999	
Resolution (µl)	5	
Accuracy (for a 10¨ cartridge @ 4000 µl / min)	3%	6%
Test Pressure (mbar)	350 - 4000	
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)	3%	6%
Test Pressure (mbar)	350 - 4000	350 - 7000
Stabilisation Time	60 - 999 secs	
Test Time (t)	30 - 999 secs	
Upstream System Volume (ml)	1 - 32000	
Bubble Point Measurement Range (mbar)	450 - 3900 (min. 100 mbar above DF test pressure)	450 - 7900
Resolution (mbar)	1	2
Accuracy	1& FS	

Instrument Options

	'P' Pharmaceutical	'C' Certified	Documentation
Storable Test Records	40	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

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www.domnick hunter.com
dhprocess@parker.com
+44 (0)191 4105121