





# Instruments collection

There is a growing trend for higher quality and more consistent products manufactured by the food industry. In order to remain competitive, manufacturers must continually strive for better process control to eliminate hazards which could affect the quality and consistency of the foods they produce.

In order to help food manufacturers overcome the challenges of producing safe foods consistently without non-conformance or wastage, adoption of the principles outlined in the HACCP framework has become mandatory (ref: EU Regulation 852/2004). Routine integrity testing of critical filters offers a way of ensuring the on-going performance of critical filtration systems and ensures the food production plant operates in line with the HACCP principles.

Parker domnick hunter offer a range of automated integrity test instruments used to check the integrity of critical liquid or gas filters. The instruments satisfy the food industry requirements for filter testing by offering automated operation, accurate detection of filter integrity and easy documentation and management of test results.





# Valairdata 3

Integrity Test Unit



Valairdata 3 is the next generation of fully automated, aerosol challenge integrity test unit, designed to test the integrity of sterile gas filters quickly and easily.

The Valairdata 3 aerosol challenge test is fully correlated to aerosolized *B.diminuta*, *B.subtilis* and Enterobacteria phage MS2 challenges and is a recommended test methodology in the PDA's "Sterilizing Filtration of Gas - Technical Report #40".

The unit utilizes Parker domnick hunter's 40 years of experience in the provision of world leading sterile gas solutions by further improving the usability and sensitivity of the test process and offers significant savings in operator time.

## Features

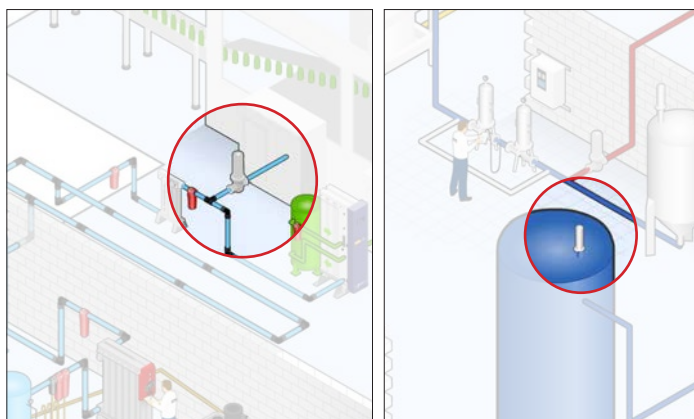
- 5.7" TFT LCD touch screen operation
- Multi-language menu availability
- Testing correlated to aerosol and viral challenges
- Developed to GAMP 5 guidelines
- Transfer of data via USB memory stick
- 4GB internal memory storage

## Benefits

- Easy to use
- Portable for in-situ testing around the facility
- Quick determination of a filter's ability to sterilize gas - around 30 second test time for 10" housing, 5 seconds for discs
- Increased sensitivity compared to liquid based tests, especially on multi-cartridge systems
- No unit specific PC software required

## Filtration Stage

### Sterile Gas and Vent Filtration





## Specifications

Weight:	8 kg
Instrument size:	Width: 363 mm Height: 308 mm Depth: 155 mm
Electrical requirement:	Battery operated 3.2V / 16Ah & mains 100-240 VAC : 50/60 Hz
Laser:	Type: Solid state laser diode Power: 24 Volts DC Sample flow rate: 0.1cfm
Aerosol generator:	Aerosol generated from Purity™ FGW015 white mineral oil FDA:178-3620
CE standards:	LVD - EN61010-1-1 EMC - EN61326-1
Pneumatic requirements:	Input pressure: 4.5 to 7 barg clean dry air or nitrogen Pneumatic Rectus 21 KA connections
Packaging:	Waterproof and airtight solid case for transportation Padded carry bag for site portability
Languages:	English, German, French, Swedish, Italian, Portuguese, Danish and Spanish

## Instrument Options

	WVA-3-ST Standard	WVA-3-SE Secure
Design environments approvals:	GAMP 5	GAMP 5
21CFR Part 11:	No	Yes (transferred data is user's responsibility)
Security user levels:	Operator  Administrator	Operator - password protected Administrator - password protected
Audit trail:	No	Yes

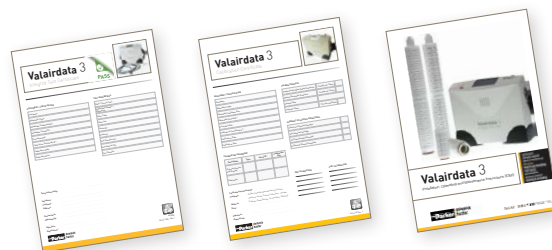
## Ordering information

WVA - 3	-	<input type="text"/>
Code		Length (Nominal)
ST		Standard
SE		Secure

Calibration code: 609500026

## Customer Support

Parker domnick hunter can offer full after sales support worldwide, whether it is commissioning of the instrument, calibration / service or full training of site operators.







# BEVCHECK & BEVCHECK PLUS

Integrity Test Units



## Monitoring performance and product quality

Simple routine integrity testing for the beverage industry.

### BEVCHECK

The BEVCHECK is an easy to use, portable unit that allows you to test the integrity of your membrane filters using the pressure decay method. Test data can be reported as pressure decay or diffusional flow.

BEVCHECK is a small hand held unit, or is light enough to be mounted directly on to a connection on the filter housing. Software included with the unit enables it to be connected to a PC for enhanced programming and data handling flexibility.

### BEVCHECK PLUS

The BEVCHECK PLUS provides an automated method for testing membrane filter cartridges used in beverage applications. Using the pressure decay method, the unit controls the whole test from increase of pressure, through stabilization and pressure decay measurement, to release of pressure.

Test data can be reported as pressure decay or diffusional flow and is provided in a printed summary. The unit is small enough to be portable around the production facility, or can be positioned centrally for remote connection to the filter housings.



# BEVCHECK & BEVCHECK PLUS Integrity Test Units

- Large memory stores up to 19 programs and 100 test reports
- Flexible - suitable for use with compressed air or nitrogen
- Accommodates a wide range of filter retention ratings and housing sizes
- Clear liquid crystal display and wipe clean keypad
- Self test function automatically checks the function of the unit
- PC interface and software provides additional programming and data handling flexibility
- IP53 protection class
- Hand held portability with rechargeable battery operation
- Convenient built-in printer provides printed test report (PLUS)



## Physical Parameters

	BEVCHECK	BEVCHECK PLUS
Housing Material.....	ABS	Polystyrol
Instrument Size.....	(WxDxH) 105 mm x 210 mm x 45 mm (4" x 8.25" x 1.75")	(WxDxH) 315 mm x 280 mm x 150 mm (12.5" x 11" x 6")
Weight.....	0.5 Kg (1.1 lbs)	3.9 Kg (8.6 lbs)
Ingress Protection Class.....	IP53	IP53
Power Supply.....	Re-Chargeable HiMH Battery (4.8 V / 1.5 Ah) & External Charger (100- 230V AC / 47 - 63 Hz / 7.5V 1.33A) 7 hours Typ.	HiMH Battery (4.8 V / 1.5 Ah) & External Charger / Mains (230V AC:18V DC, 1.7A / 230V AC:15V AC, 15VA) 2 hours Typ.
Battery Life (From Full Charge).....	16 Key - Polycarbonate Keypad	16 Key - Polycarbonate Keypad
Keyboard.....	0 - 4000 mbar	0 - 4500 mbar
Inlet Pressure Required.....	3 - 33 °C (37.4 - 91.4 °F)	3 - 30 °C (37.4 - 95 °F)
Operation Temperature.....	Compressed Air / Filter : Rectus 21 Male	Compressed Air / Filter : Festo 4 mm Stäubli RBE03 Male Vent : Festo 4 mm
Pneumatic Connectors.....	3 - 35 °C (37.4 - 95 °F)	3 - 35 °C (37.4 - 86 °F)
Storage Temperature.....	5 - 95% Rel.	5 - 95% Rel.
Ambient Humidity.....	LCD - 16 Character x 2 Lines	LCD - 20 Character x 4 Lines
Display.....	None	Built in Thermal Printer - 57 mm Printer
Printer.....	English, German, Italian, French, Spanish & Portugese	English, German, Italian, French, Spanish & Portugese
Language.....	19	19
Storable Test Programs.....	100	100
Storable Test Records.....	Manual (Additional Accessory Kit Required)	Fully Automatic
Test Pressure Control.....	0 - 4000 mbar	0 - 3900 mbar
Test Pressure Range.....	10 - 999999 ml	10 - 999999 ml
Housing Volume Range.....	1 - 99.9 ml / min	1 - 999.9 ml / min
Diffusional Flow Range.....	1 - 1800 secs	1 - 1800 secs
Stabilisation Time Range.....	1 - 1800 secs	1 - 1800 secs
Test Time Range.....	PC Data / Remote Operation : RS232 4-Pole Jack	D-Sub 25 Pole PC Data / Remote Operation : RS232 9-Digit Male
Interfaces.....	CE Declaration of Conformity Calibration Certificate Winfilter PC Software Power Supply / Charger with Country Specific Mains Adaptor PC Comms Cable (RS232 - 4 Pole Jack to 9 Pin Male) Installation, Operation & Maintenance Instructions (IOMI) Foam Lined Carry Case	CE Declaration of Conformity Calibration Certificate Winfilter PC Software Power Supply / Charger with Country Specific Mains Adaptor PC Comms Cable (RS232 - 4 Pole Jack to 9 Pin Male) Installation, Operation & Maintenance Instructions (IOMI) Foam Lined Carry Case
Documentation / Ancillaries.....		

## Ordering Information

	BEVCHECK	BEVCHECK PLUS
Model.....	WBC-230	WBC-BEVCHECK PLUS
Calibration order code.....	609500028	609500091