

## BEAMATIC 3.0

### HIGHLIGHTS :

- Easy to use
- Reduced test times
- Easy to program
- Compact and robust design
- Fast auto self-diagnosis
- High measurement accuracy
- High wide measuring scale
- Flexible hard copy printout and PC compatibility
- EC mark to comply with European Directives



In pharmaceuticals and aseptic packaging environment the filtration devices have to be tested before and after use to verify the performances of the filtration process.

Beamic 3.0 is the new innovative integrity test instrument available on the market, designed to work in protected areas, labs and controlled environment, to determine the integrity of a filter element. The main benefits are: wide test capability and results storing, accuracy of results and time saving.

Compact design, casing manufactured in stainless steel, Stäubli nipples for quick assembly, make Beamic BMT 3.0 easy to be used. The unit has splash and dust proof protection (IP54) that allows cleaning with detergents such as alcohol and hypochlorite, in order to reduce the surface bioburden.

The 10" touchscreen technology, the thermal printer not generating particles during the printing process, the absence of fan make the equipment suitable to work in controlled environment. The software has been developed to meet GAMP (Good Automated Manufacturing Practises) and passed the validation tests (IQ, OQ, OP).

Beamic 3.0 comply with 21 CFR-Part 11 guidelines for handling the electronic records by multilevel passwords and electronic signature registration.

All the operating procedures have been validated and supported by an extensive qualification documentation.

Beamic perform automatically the following integrity tests:

- Forward Flow
- Bubble Point
- Water intrusion
- Decay

Beamic 3.0 includes a pneumatic device to keep constant the pressure during the stabilization phase and provides two separate measuring unit in order to get the max accuracy possible in relation to the test type selected.

During the forward flow test or bubble point test, the unit uses the specific measuring device to determine the volume of air that goes through the filter media properly wetted.

During the water intrusion test the unit determines the exact quantity of water intruded into the membrane pores.

The results are collected by a microprocessor to elaborate a graphical representation.

Beamic 3.0 is easy to be calibrated: this operation can be done at the customer production site or in Bea Technologies labs.

A full documentation guide is available for the proper use of the unit.

## BEAMATIC 3.0 TECHNICAL CHARACTERISTICS

POWER SUPPLY		85—264 Vac
POWER FREQUENCY		47—63 Hz
ABSORBED POWER	Peak	100 W
	Printing	70 W
	At rest	35 W
	Stand-by	2 W
FUSES (POWER) (delayed 5 x 20 mm 250V)	@ 110-120 Vac	Nr. 2 x 4 A(T)
	@ 220-240 Vac	Nr. 2 x 2 A(T)
INTERNAL FUSES (delayed 5 x 20 mm 250V)	PRINTER	2 A(T)
	GEP	2 A(T)
INLET PRESSURE	Max	9,5 bar (138 PSI)
OUTLET PRESSURE	Max	8,0 bar (116 PSI)
	Operating	0,2—6,5 bar (2,9—94 PSI)
PRINTING PAPER (Thermal)	Width	58 mm
	Roll diameter	40 mm
	Weight	60 g/m <sup>2</sup>
USB CONNECTION type A-F		Nr. 2
LAN RJ45 CONNECTION		Nr. 1
DIMENSIONS	Width	360 mm
	Height	470 mm
	Depth	370 mm
WEIGHT		18 Kg.
PROTECTION ENCLOSURE		IP54
OPERATING TEMPERATURE		+5 ÷ 50 °C
IN/OUT COMPRESSED GAS (Air-Nitrogen)		STÄUBLI
OPERATING SYSTEM		MS WIN 7 PRO ITA 32
ACCURACY		0,4 % on value
MEASURING RANGE	Forward flow	0,05—500 ml/min
	Intrusion	0,05—500 ml/min
	Bubble point	200—6000 mbar
	Decay drop	200—6000 mbar
RESOLUTION	Forward flow	0,01 ml/min
	Intrusion	0,01 ml/min
	Bubble point	50 mbar
	Decay drop	0,2 mbar

Data contained in this bulletin are informative and subject to change without notice.  
User is responsible for determining whether the product fits for particular purpose and is suitable for User's applications.



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