

FILTER ELEMENT – Retrofit

HIGH FLOW TETPOR II - ZHFT



(Particulate + Bacteria removal + Sterile)

DESCRIPTION

Filter element Retrofit ZHFT/CW was developed as substitution of Parker | domnick hunter cartridges for highly efficient sterile filtration of compressed air and process applications. Depth filter medium made of borosilicate glass microfibers ensures highly efficient removal of submicron particles down to 0,01µm including microorganisms (bacteria). The filter medium supported with NOMEX* is rigidly held between two stainless steel cylinders and encapsulated between stainless steel end-caps. This results in exceptionally strong filter element that ensures highly efficient filtration and allows a large number of sterilization cycles.

APPLICATIONS

- Packing industry
- Chemical industry
- Food & beverage industry
- Biotechnology
- Dairies
- Pharmaceutical industry
- Breweries
- Fermentation processes
- Hospitals

MICROBIOLOGICAL EFFICIENCY

Test organism	% Efficiency
<i>Brevundimonas diminuta</i>	>99.99999
MS-2 Coliphage	>99.99999



FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Solid particles	Water	Oil
Class 1	-	-

TECHNICAL SPECIFICATION

Operating temperature	-20 / +80°C
Short duration temperature limit (max 15min)	150 °C
Differential pressure (dry)	80 mbar
Differential pressure (wet)	190 mbar
Particle retention (nominal)	99,9999% (0,01 µm)
100% integrity tested (DOP test)	
Manufactured without use of binders or other chemical additives	
All components meet the FDA requirements for contact with food in accordance with the Code of Federal Regulations(CFR), title 21	



Retrofit

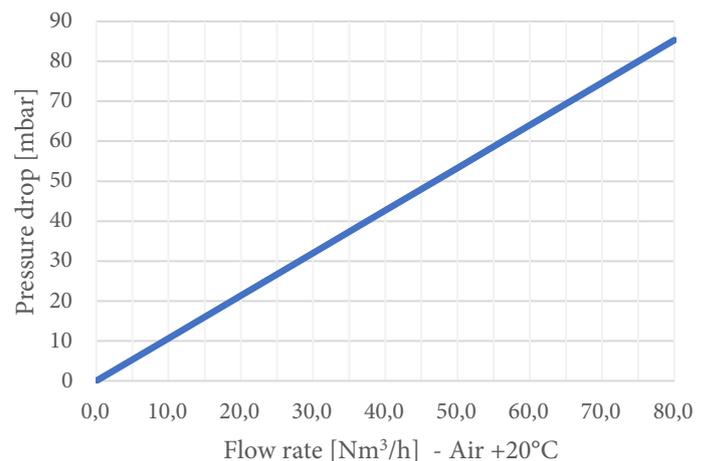
Original

MATERIALS

Filter media	Hydrofobic Borosilicate micro
Support media	NOMEX*
Support (inner-outer)	Stainless Steel AISI316L
Bonding	Silicone
Endcaps	Stainless Steel AISI316L
Sealing	Silicone

Performance Characteristic

Retrofit ZHFT/CW - 0,01µm



STERILIZATION (saturated steam)

Cumulative steaming time:

- 121°C/250°F, Sterilization 30min, Heating and cooling 30min (100 cycles)
- 132°C/270°F, Sterilization 20min, Heating and cooling 40min (100 cycles)
- 143°C/290°F, Sterilization 10min, Heating and cooling 50min (100 cycles)

MAINTENANCE

Replace filter element when first of the following criteria is reached:

- twelve months in operation
- as required by application
- prescribed number of sterilisations

Ordering information

ZHFT	/	<input type="text"/>	<input type="text"/>	
		Code Length (Nominal)	Code End Cap (Demi)	
D		1.5" (35 mm)	W	HF Demi C & D
C		2.5" (65 mm)		

Please note that all sterile filter elements are delivered unsterile in unsterile packaging! Please sterilize the filter elements before first use if needed for the application.

