



HIGH FLOW AUTOCLAVE VENT FILTER CARTRIDGES

Sterilizing Grade

HIGH FLOW AUTOCLAVE VENT FILTER CARTRIDGES

DESIGNED FOR CRITICAL APPLICATIONS WHERE STERILE AIR IS REQUIRED TO BREAK VACUUM FORMED IN AUTOCLAVE CHAMBER

Cobetter High-Flow Autoclave Vent Filter Cartridges are designed for critical applications where sterile air is required to break the vacuum formed by steam condensation inside the autoclave chamber. The filter cartridge consists of hydrophobic PTFE or PVDF membrane and removes all particles down to 0.01 μm , ensuring the removal of microorganisms including bacteria and viruses. The High-Flow vent autoclave filter cartridges have been completely validated using the Bacterial Challenge Test and Aerosol Challenge Test. Using Pseudomonas diminuta in the Bacterial Challenge Test results in total bacterial retention. Using T1 bacteriophage (0.5 micron x 0.1 micron) in the Aerosol Challenge Test allows removal to a gas micron rating of 0.01 μm . This ensures bacteria and bacteriophage removal especially during the vacuum-break period.





FEATURE	BENEFIT
Hydrophobic PTFE or PVDF Membrane	Membranes meet process needs and deliver high flow rates with exceptional mechanical strength
Validated bacterial and aerosol challenge tested	Delivers total bacteria and bacteriophage removal.

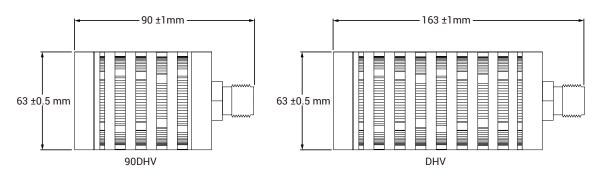
QUALITY STANDARDS

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Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices.		
TOC / Conductivity at 25°C	Autoclaved filter effluent meets the USP <643> for Total Organic Carbon and USP <645> for Water Conductivity per WFI requirements after a UPW flush		
Particle Shedding	Autoclaved filter effluent meets the requirements in USP <788> for large volume parenterals/injections		
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)		
Bacterial Endotoxin	Aqueous extraction of autoclaved filter contains < 0.25 EU/mL as determined by Limulus; Amebocyte Lysate (LAL), USP <85>		
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Cytotoxicity Test		

SPECIFICATIONS

Filter media	Hydrophobic PTFE, Hydrophobic PVDF			
Cage/Core	Polypropylene			
Connection	1/2" BSPP (British Standard Parallel Pipe), Male Thread			
Effective filtration area	90DHV: DHV:	PTFE 1150 cm² (1.24 ft²) 2650 cm² (2.85 ft²)	PVDF 1300 cm² (1.4 ft²) 3000 cm² (3.23 ft²)	
O-rings	Silicone, EPDM, FKM			
Cartridge diameter	63±0.5 mm (2.5 in.)			
Max. temperature	70°C			
Max. differential pressure	0.45 MPa (4.5 bar, 65 psi) at 70°C			

DIMENSIONS



ORDERING INFORMATION

EXAMPLE: 90DHV-GPFL0020SP = 90DHV filter, with Red Prefilter, PTFE membrane, 0.02 μm, with Silicone seals, Pharmaceutical Application

