

POINT OF USE SHOWER AND TAP WATER INFECTION CONTROL FILTERS

DOUBLE-LAYERED PES PLEATED MEMBRANE FILTERS PROVIDE EXCELLENT STERILIZATION RELIABILITY

Cobetter disposable point-of-use sterilizing grade disposable water filters are ideal for installation in showers and tap water sources to remove waterborn pathogens such as *Legionella spp.*, *Pseudomonas aeruginosa*, and *Coliforms* in tap water.

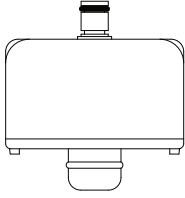
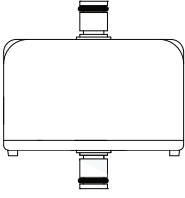
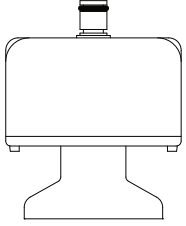
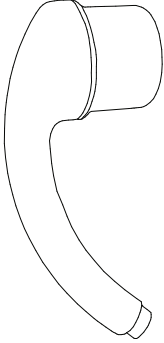

Tap water has been recognized as "the most overlooked, important, and controllable source of Healthcare Associated Infections (HAI). Cobetter point-of-use infection control filters are an economical way to reduce the risk of infections, especially for people at risk with immune compromised systems, through direct contact, ingestion, and inhalation of waterborne pathogens.

Cobetter disposable water filters are composed of 0.2µm double-layer PES pleated membranes with an asymmetric pre-filtration layer for longer service life and lower filtration cost. These filters have been validated on *Brevundimonas diminuta* according to ASTM F838 (bacteria challenge test) with a bacteria retention of > 10⁷/cm² (sterilizing grade).



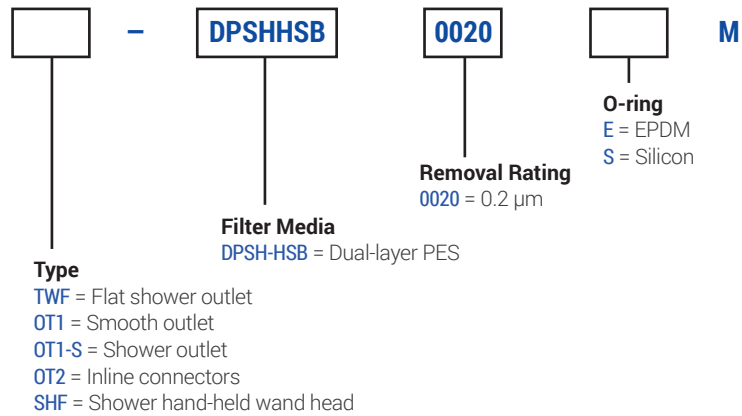
FEATURE	BENEFIT
0.2 µm Double-Layer Polyethersulfone (PES) Pleated Membrane	Provides excellent sterilization reliability
	Pleated surface area provides superior flow rate and extended service life
	Asymmetric pre-filter layer extends filter lifetime, reducing filtration costs
Polypropylene Housing/ Supports	Resistant to thermal and chemical shocks
QUALITY STANDARDS	
Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001 Practices.
Bacterial Retention	Retention of 10 ⁷ cfu/cm ² <i>Brevundimonas diminuta</i> (ATCC® 19146) at >10 ⁷ /cm ² (>99.99999%)
Housing Durability	All material passed USP Class VI
Integrity Tested	Each individual element is integrity tested
Labeling	Full tracking and tracing label by series number for easy replacement

SPECIFICATIONS

	OT1	OT2	OT1-S	SHF	TWF
					
Filter media	Polyethersulfone (PES)				
Structural Components	Polypropylene 0.2 µm				
Removal Rating					
Maximum Operating Temperature	70°C (158°F)				
Maximum Operating Pressure	0.5 MPa (5.0 bar, 72 psi) at 60°C (140°F)				
Disinfection	Compatible with common surface and systemic disinfection methods				
Flow Rates @ 1 bar (14.5 psi)	3.9 L/min (1.0 gal/min)	3.7 L/min (1.0 gal/min)	3.6 L/min (1.0 gal/min)	9.8 L/min (2.6 gal/min)	8.6 L/min (2.3 gal/min)
@ 3 bar (43.5 psi)	9.5 L/min (2.5 gal/min)	9.2 L/min (2.4 gal/min)	9.2 L/min (2.5 gal/min)	20.7 L/min (5.5 gal/min)	19 L/min (5.0 gal/min)
@ 5 bar (72.5 psi)	12.6 L/min (3.3 gal/min)	12.3 L/min (3.2 gal/min)	12.2 L/min (3.2 gal/min)	27.0 L/min (7.1 gal/min)	25.5 L/min (6.7 gal/min)
Effective Filtration Area	467 cm ² (72 in. ²)	467 cm ² (72 in. ²)	467 cm ² (72 in. ²)	986 cm ² (153 in. ²)	938 cm ² (144 in. ²)
Maximum Lifetime	31 days	31 days	31 days	31 days	62 days
Maximum Length	75 mm (3.0")	73 mm (2.9")	88 mm (3.5")	236 mm (9.3")	84 mm (3.3")
Body Diameter	71 mm (2.8")	72 mm (2.8")	72 mm (2.8")	83 mm (3.2")	84 mm (3.3")
Inlet	1/4" Male Quick Coupling for Metal Latch	1/4" Male Quick Coupling for Metal Latch	1/4" Male Quick Coupling for Metal Latch	1/2" NPT	1/4" Male Quick Coupling for Metal Latch
Outlet	Smooth Outlet	1/4" Male Quick Coupling for Metal Latch	Shower Head	Shower Head	Shower Head

ORDERING INFORMATION

EXAMPLE: **OT1-DPSHHSB0020EM** = Smooth outlet, dual-layer PES membrane, 0.2 µm, with EPDM o-ring



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CBBPP1164 Rev. 08052020
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