

STKZ AND PKZ CAPSULE AIR FILTERS

FOR VENT APPLICATIONS

STKZ and PKZ Capsule Air Filters are self-contained, ready-to-use capsule filters designed to sterilize incoming air to ensure that it will not contaminate equipment from outside pollutants. These sterile air filters maintain pressure balance in gas cabinets. Cobetter offers a variety of air filters to meet different requirements of gas flow and installation. They are made of inherently hydrophobic PTFE or glass fiber filter media, which provide excellent sterilization performance in dry or humid conditions. The STKZ and PKZ Capsule Air Filters eliminate cleaning validation requirements when compared to the traditional filter cartridge and housing combination.

FEATURE	BENEFIT
Thermal welding technology	No adhesive resins to ensure capsule filter's cleanliness and long-use pressure endurance
Sanitary flange and hose barb connections	Provide clean and easy connections
QUALITY STANDARDS	
Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001 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 of specified volume.
Particle Shedding	Autoclaved filter effluent meets the requirements in USP <788> for large volume 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
USP <88> Biological Toxicity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics.
Indirect Food Additive	All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182, and EU framework regulation [1935/2004/EC].



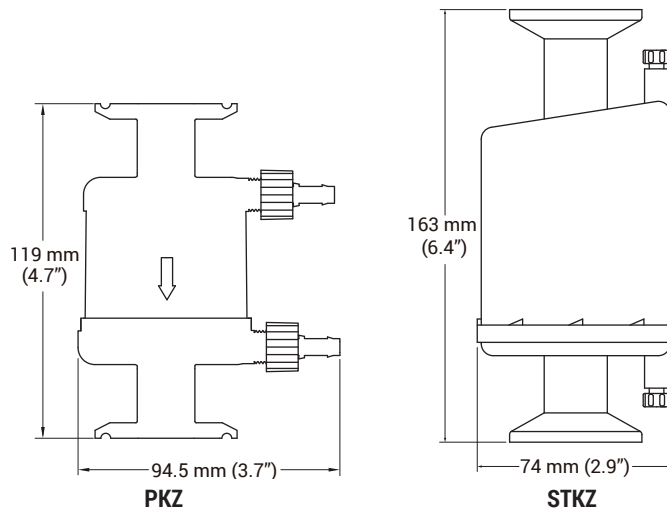
Typical Applications

- Air Filtration
- Gas Filtration
- Vent/Balance Filtration
- Tank Filter
- Equipment Air Filter

SPECIFICATIONS

Filter media	Hydrophobic PTFE or Glass Fiber
Outer Shell	Gamma Stable Polypropylene
Max. Continuous Operating Temperature	40°C
Max. Forward Differential Pressure	0.5 MPa (5.0 bar, 72.5 psi) at 20°C
Autoclave	Up to 200 cycles for 30 minutes at up to 130°C

DIMENSIONS



Inlet/Outlet	1" Sanitary Tri-Clamp	1" Sanitary Tri-Clamp
Vent/Drain	6 mm Hose Barb bleed valve	M5 bleed port

ORDERING INFORMATION

EXAMPLE: **PKZGGFP0010E-M** = PKZ capsule, Glass Fiber, 0.1 µm, with EPDM seals



Capsule Code

PKZ = PKZ capsule
STKZ = STKZ capsule



Media

GGFP = Glass Fiber
GPFL = PTFE



Removal Rating

GPFL (PTFE):
0001 = 0.01 µm
0020 = 0.2 µm

GGFP (Glass Fiber):

0001 = 0.01 µm
0003 = 0.03 µm



Seal Material

E = EPDM
S = Silicone
V = FKM

-M



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