

Parker Product Datasheet



TETPOR AIR sterilizing filter cartridges offer exceptional filtration performance while providing the highest levels of biosecurity throughout the process industry.

PART NUMBER: ZCMTA/020Z-A
LENGTH: 5.0' (125 mm)
PRODUCT TYPE: Demi Cartridge
SEAL MATERIAL: Silicone
CONFIGURATION: n/a
OUTLET CONNECTION SIZE: n/a
INLET CONNECTION SIZE: n/a
END CAP CONFIGURATION: Demi A and B Std

PRODUCT OVERVIEW

Operating at ambient temperature conditions, TETPOR AIR filters provide a cost-effective filtration solution. A unique polypropylene prefilter layer extends service life in heavily contaminated environments.

TETPOR Air filter cartridges utilize a well-proven inherently hydrophobic expanded PTFE membrane validated as sterilizing grade in liquid in accordance with ASTM F838-05. This ensures the removal of all airborne bacteria, viruses and bacteriophage.

Features and Benefits

- Assured biosecurity with absolute rated filtration

- High flow rates with low pressure drops
- High voids volume PTFE membrane
- Steam sterilizable to 140°C (287.6°F)

TECH SPECIFICATIONS

DIVISION	Bioscience and Water Filtration Division
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FOR FLUID TYPE	Air and Gas
INDUSTRY	Pharmaceuticals
SPECIFICATIONS MET	FDA 21 CFR Part 177
SPECIFICATIONS MET	USP Plastics Class VI - 121°C
SPECIFICATIONS MET	Fully validated to ASTM F838-05 liquid bacterial challenge
APPLICATION	Sterile Gas and Vent Filtration
BRAND	Parker
TECHNOLOGY	Filtration
PRODUCT SERIES	TETPOR AIR
PRODUCT TYPE	Air Filter Element
MATERIALS OF CONSTRUCTION	Filtration Media: PTFE
	Upstream Support: Polypropylene
	Downstream Support: Polypropylene
	Inner Support Core: Polypropylene
	Outer Protection Cage: Polypropylene
	End Caps: Polypropylene
	End Cap Insert: 316L Stainless Steel
	Stand
OPERATING TEMPERATURE	60 °C (continuous)
OPERATING TEMPERATURE	140 °F (continuous)

Higher short-term temperatures during CIP to the following:

OPERATING TEMPERATURE

up to 20°C (68°F) @ 5.0 barg (72.5 psig)

up to 40°C (104°F) @ 4.0 barg (58.0 psig)

up to 60°C (140°F) @ 3.0 barg (43.5 psig)

up to 80°C (176°F) @ 2.0 barg (29.0 psig)

FILTER CONSTRUCTION

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FILTER MATERIAL

PTFE

MICRON RATING

0.2 micron

FILTER AREA

2.69 ft²

FILTER AREA

0.25 m²