

# 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:** ZCMT2/020C-A  
**LENGTH:** 20' (500 mm)  
**PRODUCT TYPE:** Cartridge  
**SEAL MATERIAL:** Silicone  
**CONFIGURATION:** n/a  
**OUTLET CONNECTION SIZE:** n/a  
**INLET CONNECTION SIZE:** n/a  
**END CAP CONFIGURATION:** BF / 226 Bayonet

## 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        | USP Plastics Class VI - 121°C                              |
| SPECIFICATIONS MET        | FDA 21 CFR Part 177                                        |
| 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     | 140 °F (continuous)                                        |
| OPERATING TEMPERATURE     | 60 °C (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**

Pleated

**FILTER MATERIAL**

PTFE

**MICRON RATING**

0.2 micron

**FILTER AREA**

16.56 ft<sup>2</sup>

**FILTER AREA**

1.54 m<sup>2</sup>