

DECLARATION OF COMPLIANCE Emflon® HTPFR Filter Cartridges AB Style “W” Code

Cartridge Part Number

AB HTPFR W
Table 1 Table 2 Table 3

This is a guide to the part numbering structure only. For specific options, please contact Pall.

Table 1 : Nominal Length

Code	Description
05*	127 mm (5")
1	254 mm (10")
2	508 mm (20")
3	762 mm (30")

*Available in code 2 only

Table 2 : Adaptor

Code	Description
2*	SOE – single open end with flat end, 2 locking tabs and external 226 O-rings
7	SOE – single open end with fin end, 2 locking tabs and external 226 O-rings

*Available in 5" only

Table 3 : Seal Material

Code	Description
H4	Silicone elastomer
J	Ethylene propylene rubber

Emflon HTPFRW final air filters are designed for critical, high temperature sterile filtration of compressed air and gas and sterile hot fluid tank venting applications in the food and beverage industry. They can also be considered for use in oxygen-enriched air applications.

'Sterile air' is defined as that filtered using a 0.2 µm liquid rated filter (capable of removing 10⁷ of *Brevundimonas diminuta* per cm² of effective filtration area, in laboratory tests). Please note this product is not supplied pre-sterilized.

The key features of this product are the inclusion of two layers of hydrophobic, 0.2 µm microbial rated Emflon PTFE medium, polyphenylene sulfide support and drainage layers, and oxidation-resistant polypropylene hardware for resistance to highly oxidizing conditions.

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 Page 1 of 3



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Emflon HTPFR Filter Cartridges (AB Style “W” Code)

Components

Filter Media	Two layers of hydrophobic Emflon PTFE media
Support / Drainage	Polyphenylene sulfide
Side Seal	Polypropylene
Cage	Polypropylene with silica/TiO ₂ filler
Core, End Cap and Fin End	Polypropylene
Adaptor	Polypropylene (with integral stainless steel reinforcing ring as appropriate to design*)
O-ring Seal	Silicone Elastomer (H4) Ethylene Propylene Rubber (J)

*For applications requiring autoclaving or steam sterilization, Pall recommends the use of Code 2 or Code 7 adaptors to ensure sealing after cooling. Cartridges should be cooled to system operating temperature prior to use.

Declaration

Emflon HTPFR AB style “W” Code filter cartridges comprise materials that meet regulatory and legislative requirements and guidelines for food contact in that:

Europe

The “W” Code Emflon HTPFRW AB style filter cartridges meet the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 in that:

- Our suppliers state that the polymeric materials used to produce these filters are made from monomers and additives consistent with Annex I of Commission Regulation (EU) Number 10/2011 and its amendments, relating to plastic materials and articles intended to come into contact with foodstuffs (excluding seals).
- These articles are intended for indirect food use in filtration of gases, therefore migration testing is not applicable.
- Note: This product contains calcium stearate, which is approved as a direct food additive.

USA

The materials of construction meet the FDA requirements for food contact use as detailed in Code of Federal Regulations, 21 CFR paragraphs 170-199 in that:

- PTFE to 21 CFR section 177.1550 (Perfluorocarbon resins)
- Polypropylene to 21 CFR section 177.1520 (Olefin polymers) and 21 CFR 178.3297 (colorants for polymers)
- Polyphenylene sulfide has FCN number 40 for use as a polymeric component of repeated food use articles
- Fiber finish to 21 CFR section 177.2800 (Textiles and Textile fibers)
- Silicone Elastomeric seal material and Ethylene Propylene Rubber seal material to 21 CFR section 177.2600 (Rubber articles intended for repeated use, excluding milk and edible oils).

Process Quality System

Site of Manufacture: Pall Manufacturing (UK) Ltd., Ilfracombe, UK on behalf of Pall International Sàrl.

The Quality Management System at Pall Manufacturing (UK) Ltd., Ilfracombe is certified to ISO 9001:2008. These products / product packaging carry a lot number / date code to facilitate traceability to suppliers' materials and Pall production records.

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