

Steam is an often neglected part of a process, regarded as an add on to a customers liquid or gas filtration needs.

It has however, large specific applications in its own right and should be treated with the same level of importance as air, gas and liquid systems if long filter lifetimes and system cost effectiveness are to be achieved.

The quality of steam used within the food and dairy industries has been raised higher on the agenda in an ever increasing number of companies. Minimum acceptable standards are now being quoted on a more regular basis with particular reference to 'culinary grade' steam. Steam serves several purposes in the food & beverage industry. It is critical that this steam is of a high quality to ensure effective and continuous operation of the process.

Features and Benefits

- 316L stainless steel filter cartridges
- Exceptionally high flow rates
- Available in culinary grade 1 micron
- High dirt holding capacity
- 'JUMBO' filter configuration ensures maximum utilization of pipework capacity

STEAM Filter Cartridges

- steam filters
- 316L stainless steel



Specifications - PLEATED

Materials of Construction

- Filtration Media: 316L Stainless Steel
- Inner Support Core: 316L Stainless Steel
- Outer Support Cage: 316L Stainless Steel
- End Caps: 316L Stainless Steel
- Standard o-rings/gaskets: EPDM *(standard)*
Silicone and Viton *(options available)*

All components of the cartridge are manufactured from materials suitable for contact with food and confirm to the relevant requirement of FDA Code of Federal Regulation Title 21 Indirect Food Additives: Polymers; European Regulation EC1935/2004 concerning materials and objects in contact with food products; Biologicals Safety per current USP Class VI - 1210C Plastics and ISO 10993 equivalents *(options available)*

Recommended Operating Conditions

The maximum differential pressure in direction of flow (outside to in) is 10 barg (145.03 psig).

The maximum differential pressure in direction of flow (in to outside) is 2 barg (29.00 psig).

The maximum recommended continuous operating temperature range is -75 °C (-103 °F) to +200 °C (392 °F).

Note: Temperature dependant on o-ring compound

Effective Filtration Area (EFA)

10" (250 mm) 0.15 m² (1.61 ft²)

Specifications - SINTERED

Materials of Construction

- Filtration Media: Sintered Stainless Steel (316L)
- End Caps: Stainless Steel (316L)
- Standard o-rings/gaskets: EPDM *(standard)*
Silicone and Viton *(options available)*

All components of the cartridge are manufactured from materials suitable for contact with food and confirm to the relevant requirement of FDA Code of Federal Regulation Title 21 Indirect Food Additives: Polymers; European Regulation EC1935/2004 concerning materials and objects in contact with food products; Biologicals Safety per current USP Class VI - 1210C Plastics and ISO 10993 equivalents *(options available)*

Recommended Operating Conditions

The maximum differential pressure in direction of flow (outside to in) is 10 barg (145.03 psig).

The maximum differential pressure in direction of flow (in to outside) is 5 barg (72.51 psig).

The maximum recommended continuous operating temperature range is -75 °C (-103 °F) to +200 °C (392 °F).

Note: Temperature dependant on o-ring compound

Material of Construction

Media : SS 316L sintered POROUS metal.
 End Caps : SS 316L

Micron Ratigns

0.5, 1.0, 3.0, 5.0, 10, 20, 40, 60, and 75 micron
 Liquid particle retention is typically 98.0% efficient at the stipulated pore size.

Maximum Differential Pressure

Forward : 150 psid @ 700 °F
 Backward : 50 psid @ 700 °F

Dimension

Diameter Available : 2", 2½", 3"
 Length Available : 5", 10", 20", 30" and 40"

Which Filter for Which Application ?

