STERILE FILTER ELEMENT SERIES

SF filters
DATA SHEET

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These aseptic class filter elements are produced to the highest quality standards to ensure the requirements of sterile degree in compressed air and gas feed.

Materials of construction are as follows:

End Caps	AISI 304 grade stainless steel or PETP
Inner and outer cylinder	stretched perforated stainless steel
First - Final Filtration Layer:	fiber glass
High Efficiency Filtration layer:	borosilicate glass microfibre depth “sandwich”
Potting & O-ring	silicone compound, selected for resistance to high temperature, composition in accordance with F.D.A. recommendations

The high efficiency filter media is made of certified HEPA grade borosilicate glass microfibre, having a penetration of less than 0.0001% at 0.3 μ., equivalent to an overall efficiency ≥ 0.3 μ when tested with a DOP aerosol and measured with a nucleus condensate particle counter. Sealant remains flexible when warming-up, in order to compensate for metal parts expansion during sterilisation.
The elements are conforming to be sterilized as per Standard(s)
EN 285 ; EN ISO 17665-1 cfr. 1.1.2 c, or eventual EN 13060, referring to the maximum temperature of 138 °C.

ELEMENT PERFORMANCE:

Filter grade	0.01 μ
Max. temperature	200 °C
Max. sterilising temperature	138 °C (as per EN 285 ; EN ISO 17665-1)
Initial pressure drop, clean and dry	150 mbar
Change filter element	400 mbar
Flowing	Out -> In