



High Flow Pleated Mesh Steam Filter

-is designed to help remove both moisture and solid particles, such as pipe scale and rust from the steam supply. It is an all austenitic stainless steel unit with a removable high flow pleated mesh stainless steel element.

while a cleanable element ensures optimum efficiency and prolonged life. The main use of the filter element is to clean up factory or plant steam to reduce levels of contamination, i.e. such as boiler feed chemicals carried over from the boiler off take, so that the end product is not adversely affected.

- The filters are also designed specifically for the process industry, where high flow rates, the protection of high efficiency process filters and the provision of steam to a definitive standard is essential.
- All filters are manufactured from pleated stainless steel mesh and off 300 series stainless steel and above. The 1 micron Version (3 micron in liquid) is guaranteed to supply steam to 3A 609-01 standard.

Technical Information:

- 316L stainless steel filter cartridge, available in 1(culinary grade), 5, 10 and 25micron
- Pleated filtration medium giving a high surface area
- Exceptionally high flow rates
- High dirt holding capacity
- Multi-round filter housing configuration ensures maximum utilisation of pipework capacity
- Reduced cost/Kg steam compared to sintered product.



Cartridge Materials of Construction

Filtration Media : 316L Stainless Steel
 Inner Support Core : 316L Stainless Steel
 Outer Protection Cage : 316L Stainless Steel
 End Caps : 316L Stainless Steel
 'O' Rings : EPDM rubber (standard) silicone and viton options available

Effective Filtration Area

0.15m² (1.62ft²) per 10" (250mm) module.

Flowrate/10" cartridge Module

280kg/hr @ 1bar (<100mbar or < 40m/sec)

Housing Materials of Construction

Material : 316L Stainless Steel Surface Finish
 Single Internal : Electropolished Ra 0.8
 External : Mechanical Polish (commercial bright)
 Vent/Drain Single : 1/4" BSPP female thread
 Seal Material : EPDM aseptic seal
 Design Pressure and Temperature
 Single : 16 barg @ 200°C (392°F)
 Multi : 7 barg @ 170.5°C (339°F)