

Sintered Felt Filter Element

Porous Multi layer sintered mesh felt is pleated to improve filtration scale. The metal felt offers deep filtration with enhanced support and durability. It features finer filtration, greater dirt holding and enhanced permeability. These elements are easy to clean and back flushable. Multi layer sintered mesh media is produced and welded into a cylinder form. Durable surface endures several cleaning cycles. The porous felt filter elements are fit for high pressure, extremely corrosive, viscous or radioactive applications.

Design:

Sintered Pore-sintered mesh laminate

Sintered Felt Filter Element Properties

1. Very high porosity
2. Corrosion resistant and high pressure tolerable
3. Large flow rates
4. Prolong service
5. High dirt sustaining capacity for below 60 micron filter elements
6. Sustained streamlined flow for long time
7. Random fiber filtration offers absolute particle retention

These filters are similar to high pressure filter configurations that are commonly used in the challenging operations.

Sintered Felt Filter Element Applications

1. Polymer filtration- Nylon, Kevlar, polyesters, polyamide
2. Spinning polymers
3. Automobiles- Air filters, lubricants, filters for air bag inflators,
4. Chemical & catalyst recovery: elevated temperature fluids, cryogenic fluids, solvents, ketones, liquid hydrocarbons, feed water, ethylene glycol, high efficiency solids recovery or liquid recycling
5. Aerospace
6. Hot gas filtration
7. Medical industry

8. Hydraulic & fuel processing

9. Nuclear venting

10. Food processing : steam filters, catalyst recovery from hydrogenation reactors, polishing syrups, wines and other liquids, catalyst removal from flavor ingredients and other food processing, activated carbon removal.



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