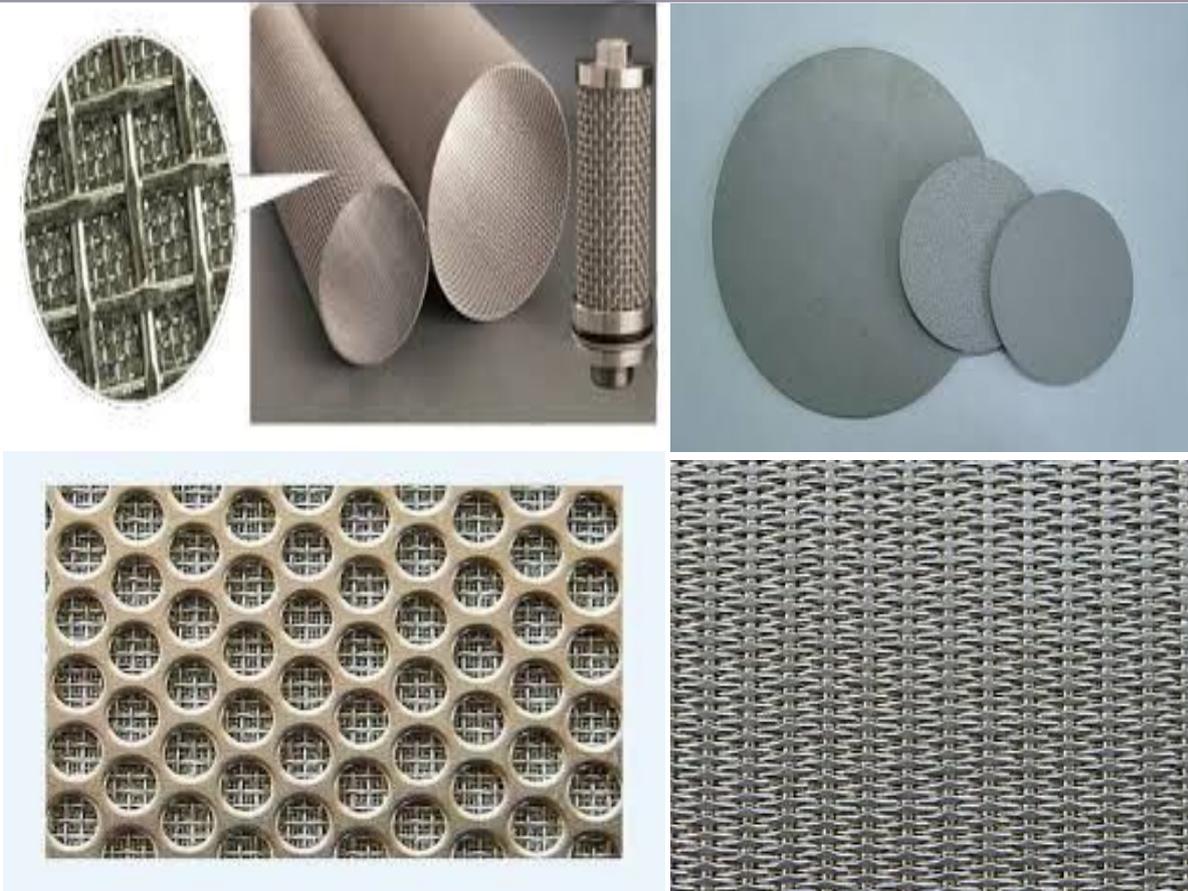


## Sintered Mesh Filter Element



Sintered wire mesh laminates range from single, double to multilayer laminate of fine filter mesh providing a heavy plate or brick like structures consisting of several hundreds of different mesh layers with total thickness up to 2 inch or more. By combining the single mesh layer of numerous weaves, it is feasible to construct materials with a net desired thickness, permeability, pore size and durability.

The fine pore size is essential for filtration, separation, sparging, sifting and other requirements. Standard Heanjia- sintered mesh features filtration capabilities as required in food, chemicals, medical, cosmetic, hydraulic oils, fuels and water discharge. It is also utilized for fluidization of bulk material in gravity conveyors, wagons, storage containers, driers and coolers.

## Sintered Mesh Filter Element Applications

1. Fluidized materials processing
2. Pressure snubbers
3. Flow control systems
4. Fluidized beds
5. Transpiration quenched fuel injector plates
6. Acoustics

#### 4. Filter discs

### Sintered Mesh Filter Element Characteristics

Heanjia metal sintered mesh filter elements consist of random matrix of metal filaments with diameter ranges from 4-25 microns. The finer microns offer larger open area in a pure crosshatch design. When sintered, it offers the following features:

1. Great porosity: Large flow rates about 20 times greater than other media, prolong streamline flow and downscaling is possible.
2. Small pressure fall: Large porosity permits nominal pressure fall even at the high filtration particulate speeds.
3. Cleaning: The open structure of porous metal media permits to clean by backpulsing or backwashing.
4. Durability: The sintering process develops strong fiber connections and ensures a durable filter medium. Using a suitable inner core, our mesh filter elements can withstand thermal shock, high pressure and repeated backpulsing.
5. Heat and corrosion resistance: The filter media is utilized at the elevated temperature about 1000°C and corrosive applications where textile, ceramic or polymer products used are unsuitable.
6. Surface or depth filtration: The filter media allows you to develop high efficiency by cake production and also allow high dirt retaining capacity or depth particle collection.
7. Good ductility and chemical cleaning is feasible
8. Welding and controlled thermal expansion

On the base of service you need, we choose the suitable alloy to offer the needed corrosion resistance and strength.