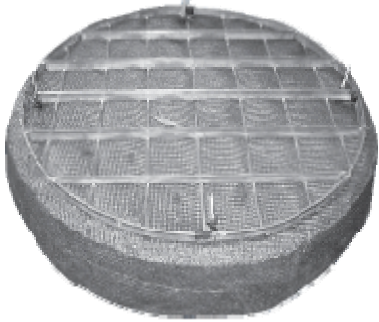




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Monel 400 demister Pad and Mist Eliminator



The demister pad/mist eliminator is made by Monel 400, Monel 400 is a nickel-copper alloy (about 67% Ni – 23% Cu) that is resistant to sea water and steam at high temperatures as well as to salt and caustic solutions. and it is constructed from multi layer knitted mesh media and provides a dense 'mat' through which process gas flows and liquid entrainment is trapped through coalescence and prevented from passing downstream, achieving liquid/gas separation.

The **Monel 400 mist eliminator** pads are woven in different densities and with different wire specifications throughout a range of readily available medias including:

Compared to steel, Monel is very difficult to machine as it work-hardens very quickly. It needs to be turned and worked at slow speeds and low feed rates. It is resistant to corrosion and acids, and some alloys can withstand a fire in pure oxygen. It is commonly used in applications with highly corrosive conditions. Small additions of aluminium and titanium form an alloy (K-500) with the same corrosion resistance but with much greater strength due to gamma prime formation on aging. Monel is typically much more expensive than stainless steel.

Monel alloy 400 has a specific gravity of 8.83, an electrical conductivity of approximately 3.4% IACS, and (in the annealed state) a hardness of 65 Rockwell

exclude **Monel 400 mist eliminator**, we can also supply the following material for mist eliminator:

- Stainless Steel 304/304L
- Stainless Steel 316/316L
- Monel 400
- Inconel 825
- Inconel 625
- Teflon Monofilament
- Polypropylene Monofilamne



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Monel 400 mist eliminator is mainly used in the following fields:

▪Desalination

▪Oil & Gas

▪Petrochemical ▪Chemical

▪Pharmaceutical ▪Pollution Control

