

Mesh Mist Eliminator

Mist Eliminator



Mesh type mist eliminators are gas - liquid separation devices that work on the principle of impaction and retention. They are widely used in the industry due to its low-cost and well-proven efficiency.

The knitted thin wires provide a very high surface area. The entrained liquid droplets strike the wires, adhere to them and coalesce into bigger droplets. These bigger droplets drain by gravity back into the bottom section of the scrubber or separator.

Mesh Mist Eliminators are fabricated from multiple layers of knitted mesh. They are formed into pads by crimped strips and stacked together. In this way a wide variety of specific densities, open areas, and thicknesses are possible.

Rigidity is provided by a high open area frame (usually metal) consisting of grid structure on each side connected with rods passing through the mesh.

There are many different styles and materials of mesh mist eliminator each with their own capacity and efficiency related to the service

Advantages:

- High efficiency
- Low pressure drop
- Low cost
- Ease of installation
- Wide range of operation

Material

- Stainless steel: 304ss, 316ss, 410ss
- Plastic: Polypropylene, Teflon, Dacron
- Exotic Metal: Alloy 20, 904L, C276, Monel, Inconel, Duplex, etc.
- Fiberglass

Style	Density lb/ft ³	Wire Diameter inch	Surface Area ft ² /ft ³
7CA	5	0.011	45
5CA	7	0.011	65
4CA	9	0.011	85
4BI	10.8	0.011	100
4BA	12	0.011	115
3BF	7.2	0.006	120
3BA	12	0.006	200

Style	Density lb/ft ³	Material
8P	4	Polypropylene
8T	4	PTFE
8K	4	PVDF
8D	12	Dacron/SS Co-Knit
8TMW11	12	PTFE/SS Co-Knit
6BE	12	Fiberglass/SS Co-Knit

