

**Mist Eliminator-Non-Metal Wire Mesh**
**Introduction**

Non-metal wire mesh is a gas/liquid separation internal designed to remove entrained liquid droplets from gas or vapor streams using a high surface area fibrous structure.

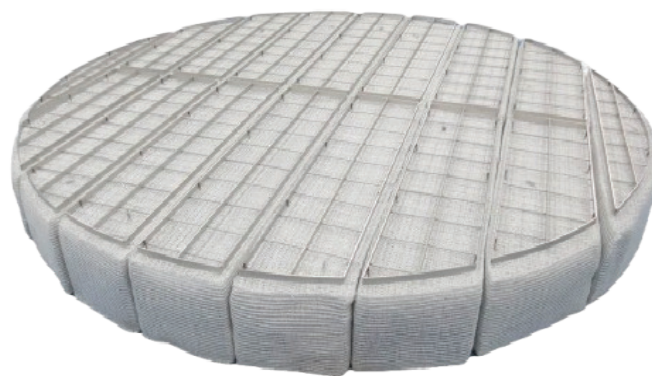
Constructed from corrosion resistant polymeric materials, the mesh pad captures fine liquid droplets as the vapor passes through, allowing them to coalesce and drain back into the vessel under gravity. Non-metal demisters are especially suited for services where metallic materials are not desirable due to corrosion, chemical compatibility, or weight limitations. They offer efficient mist elimination while maintaining low pressure drop and reliable long term performance.

**Features**

- Easy to install
- No moving parts
- Very high levels of separation efficiencies
- Separation of particles with a diameter of 10  $\mu\text{m}$
- Low pressure drop
- Light weight
- Insertable for all process equipment
- No maintenance
- Easy to clean with air/water/steam
- Resistant to corrosion
- Material: Polypropelene or fiberglass


**ESP Knitted Wire Mesh Specification**

Type No.	Surface Area ( $\text{m}^2/\text{m}^3$ )	Void Fraction (%)	Density ( $\text{kg}/\text{m}^3$ )
EDP-350	428	97	18
EDP-1120	1120	93	68
EDP-752	752	95.3	45
EDP-740	740	97.0	35
EDP-491	491	97.0	25
EDP-496	496	96.7	30


**Applications**

- Distillation columns
- Absorbers
- Evaporators
- Scrubbers
- Steam drums
- Separators
- Knockout drums
- Drying towers

