

## WIRE MESH SEPARATORS

Wire mesh separators are widely used when an effective separation between liquid and aeriform phase is essential to obtain low-cost and efficient industrial processes. This kind of separators have an alveolar structure of wire mesh obtained through the superposition of several layers of tubular sock. This sock is woven with extremely thin wires with a diameter inferior to 0,3 mm. This results in a structure with high free volume (usually > 95%), a wide active surface with a low density of the mesh, which saves costs and materials.

## WIRE MESH SEPARATORS ARE WIDELY USED

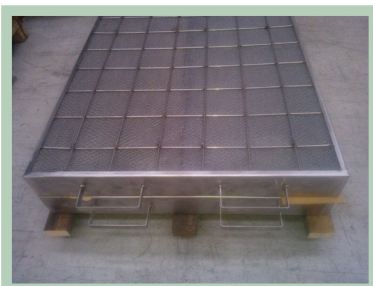
- > In gas purification plants.
- > To eliminate liquids that could damage the production processes.
- > To prevent problems to the plant structures.
- > To prevent emissions dangerous for the environment.
- > To recover expensive liquids.

## SUPERFICIAL TREATMENT

Every welded material could be treated with a passivation process in order to eliminate all welding residue and avoid a corrosive effect due to an aggressive environment. To ensure the best quality of our products we have implemented a special tig brush cleaning system allowing us to perfectly clean every single weld.

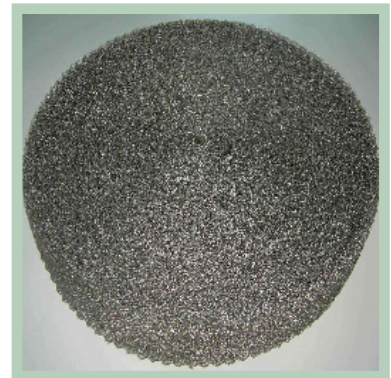
## MATERIALS

AISI 304L, AISI 316L or AISI 314 always on stock. Special materials on request.



## DEMISTERS FOR SCREW COMPRESSORES AND REFRIGERATION INDUSTRY

AFP Tech Srl produces different kinds of wire mesh demisters for the refrigeration industry and screw compressors. We can manufacture circular filters with holes in central or eccentric position and in different sizes and shapes. Customized wire mesh density and wire diameters are also available.



## ADVANTAGES OF WIRE MESH SEPARATORS

- > Easy installation and moving through man holes and small spaces.
- > High efficiency of separation processes with low pressure drop.
- > Reduction of vessel dimensions with less working costs.
- > Less costs in comparison with other separation methods.



### AIR TREATMENT

Air treatment plants often need a wire mesh separator usually installed in series with other filters, as for example filter cells, for a longer lifetime or to improve the efficiency of the filtration process. In both cases stainless steel demisters can provide high performances of separation, usually capturing small droplets, with a very low pressure drop.



### WIRE MESH ROLLS

Metallic wire mesh is the raw material for wire mesh demisters but, the same material, it is used in different applications of many industry sectors, for example full metallic anti-vibrations, air treatment filters, automotive components like filters, anti-vibrations, separator rings, silencers, thermal insulators, anti-intrusion and anti-vandalism elements, cleaning of mechanical components etc.