

## SPECIAL INTERNALS

AFP Tech can provide some special internals like support grids, liquid distributors, wire mesh candles and inlet distributors generally made on the base of customer's design and drawings.



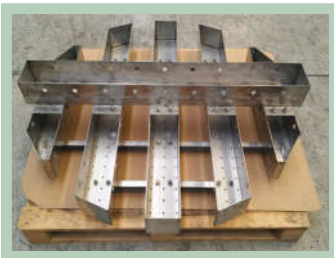
### CANDLES

When it's necessary to treat a gas flowrate but, at the same time, the diameter of the vessel is not enough to guarantee a gas velocity included between the max and the min allowed velocity, the use of a candle can be the right solution. They can provide the right surface for the gas flow and, at the same time, they can work with the right gas velocity, reducing the vessel diameter as well.



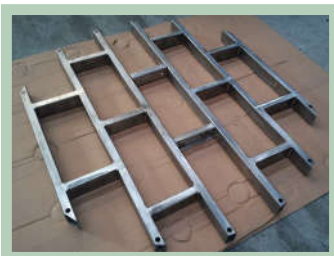
### FEED DIFFUSERS

In many processes it's required a correct distribution of the gas flow inside a vessel as, for example, before some other process internals like wedge screens. In this cases it's possible to use a feed diffuser. There are many different kinds of diffuser and, on the base of customer's need, international standard and customer's design, we can draw and make some of them.



### LIQUID DISTRIBUTORS

In many columns are often used structured or random packing bad to promote the process. They need to receive a liquid flow equally distributed across the cross section because a good distribution is critical to obtain the best performances from the process. The right distribution is usually provided by liquid distributors designed in function of the process needs.



### SUPPORT GRIDS

Inside columns it's often necessary to install some support grids to support other internals like, for example, random packings or rings assuring the mechanical support but, at the same time, allowing the correct crossing of the grids by the gas flow without a big pressure drop. There are many different types of grates also with different lines of wire mesh applied on the grid's structure. These grids are generally made on the base of customer's design and drawings.