



# DR. B. PITTALUGA & C. s.r.l

## HEAT EXCHANGE UNITS

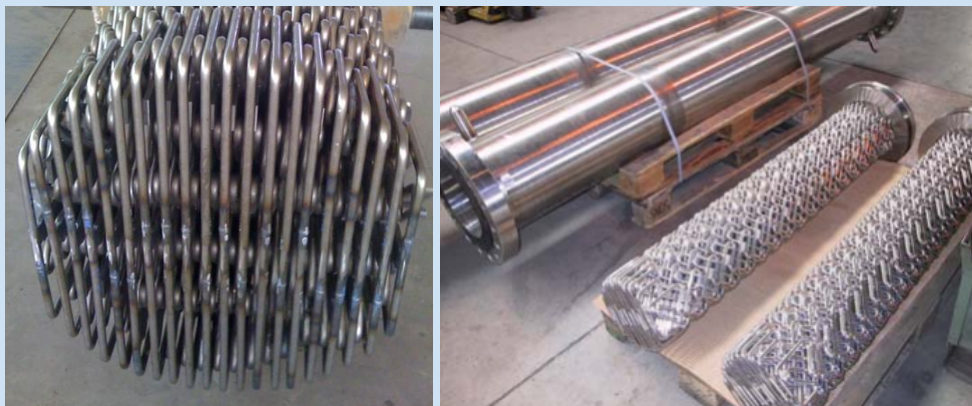
*Design expertise for optimal conditioning of viscous products*

### MONO TUBE



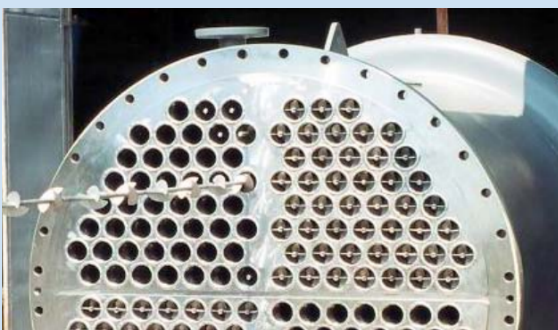
- Ideal plug flow
- Very high exchange coefficient
- Choice of different design types: X, XP, KP, XPL or VP to better meet process needs
- Very efficient for both heating and cooling

### RP COOLER



- The mixing elements are made of tubes, in which it flows the heat exchange liquid
- Very high surface - volume ratio
- Limited pressure drop
- Optimal for cooling: plug flow without maldistribution

### TUBE BUNDLE



- Limited pressure drop
- Excellent for heating
- Useful for retrofitting of existing heat exchanger

## **Features:**

- Very high exchange surface for volume units
- Ideal for heating and cooling processes
- Ideal plug flow
- Limited pressure drop
- Our mixer can be made of extractable elements for an easier cleaning process and inspection.

## **Typical applications:**

- Cooling process of polymer melts
- Viscosity control of adhesive and resins
- Gentle heating of heat sensitive products

## **Materials and dimensions:**

- Stainless Steel, Carbon Steel, Super Alloys
- Mixing elements welded, brazed or removable
- Sanitary execution
- High pressure execution
- Flanges as per DIN, ANSI, Tri-Clamp, SMS e DIN 11851
- Mono tube from DN 15 (1/2") up until DN 80 ( 3").