

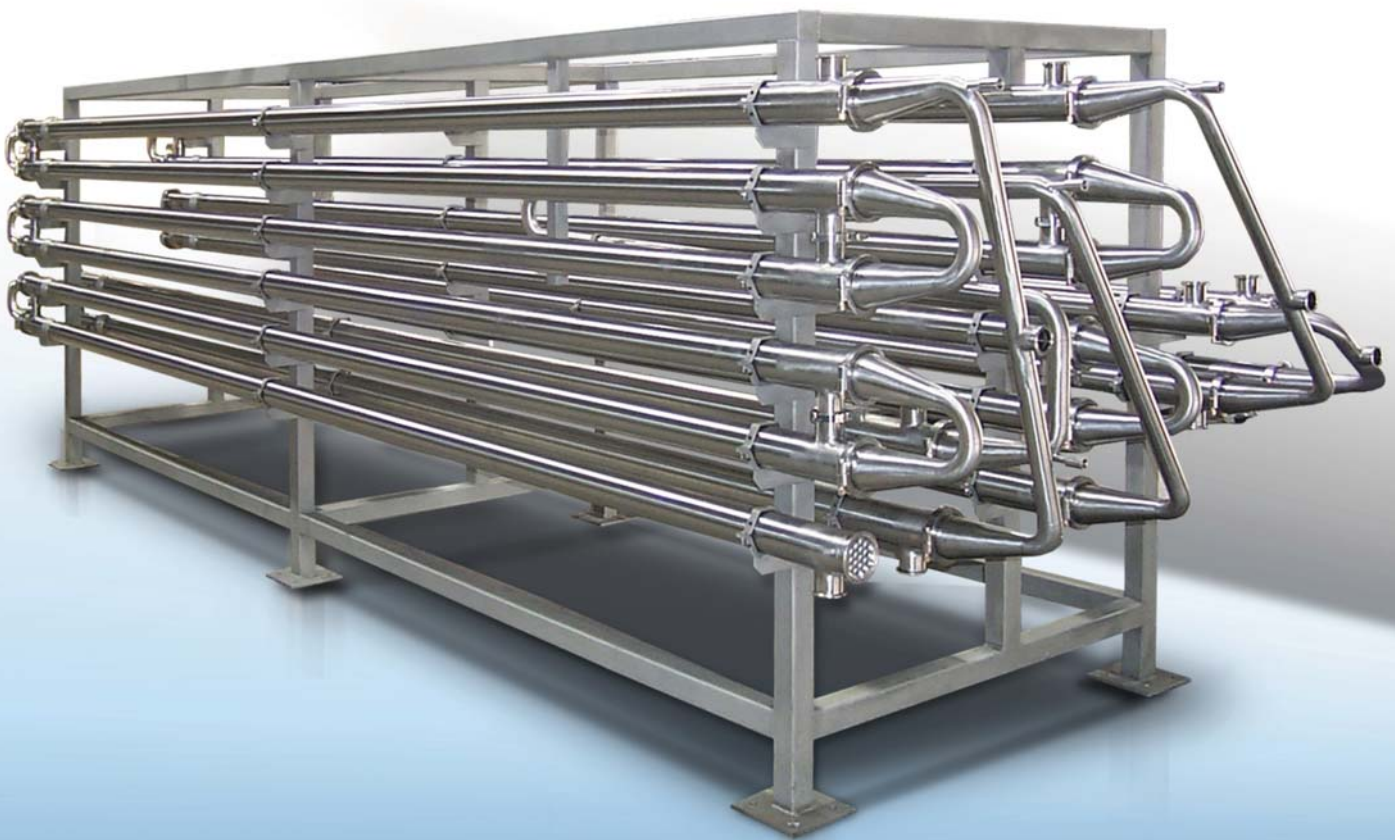
Multi Tube Heat Exchangers

Medium pressure, corrugated tube heat exchangers for use with liquid medias.



APS

Advanced Process Solutions

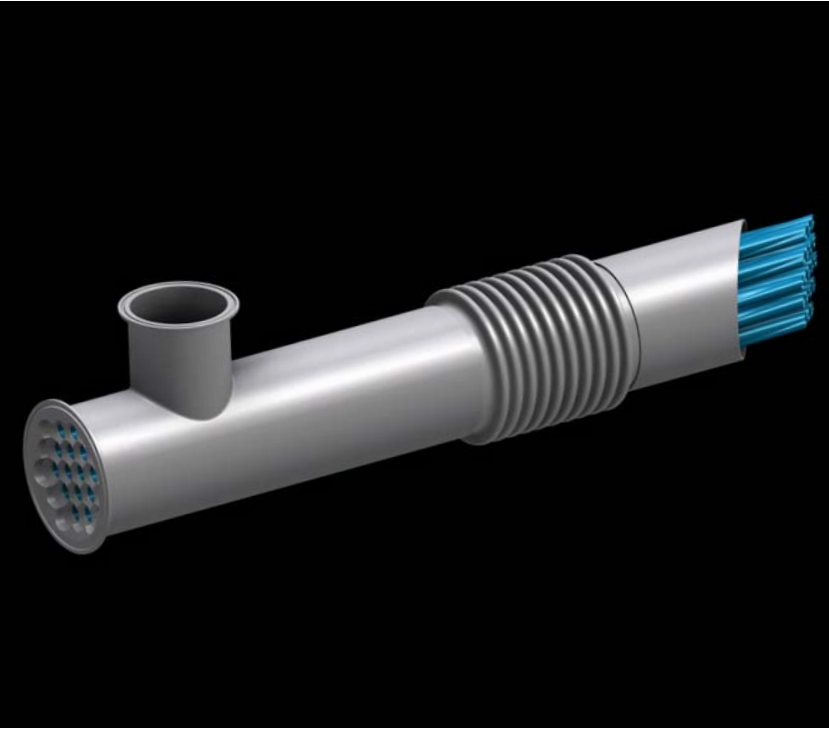


APS Skidded Process System



APS Multi Tube

Multi tube heat exchangers consist of three or more parallel tubes inside a shell. Product flows inside the smaller tubes. This design is ideal for homogenous products with thin to medium viscosities, with or without particulates.



TYPES

- All welded
- All welded with expansion joint
- Equipped with aseptic fittings

MATERIALS OF CONSTRUCTION

- 304L SS
- 316L SS
- 2205 Duplex Alloy
- AL6XN

PROVEN PRODUCT APPLICATIONS

- Juice products
- Tomato sauce
- Pizza sauce
- Cocktail sauce
- Dairy
- Smoothies
- Isotonics

APS Multi Tube Heat Exchangers are ideal for thin product processing. They can be utilized with pulpy products. Our exclusive and unique “clean-head” design removes all flat surfaces from the tube sheet distribution face for optimum flow distribution and CIP cleaning. Multi tube heat exchangers offer parallel product flow paths for maximum heat transfer area in a small package, with minimum pressure drops. Ideal for juices, nutritional drinks, tea, coffee, milk, and other thin or ready to drink products. Also used on sauces, soups, and concentrates.



PROVEN BENEFITS

- Ensure food safety - Clean head design enhances flow distribution
- Save space and money - Ultra corrugations minimize heat transfer surface area
- Reduce system size - Generates higher Reynolds numbers at lower flow rates
- Run a variety of products - HE pressure capabilities up to 800 psi
- Customize solutions - Product tube diameters from 3/8" to 1"
- Maximize HE efficiencies - Product & media flow in counter current pattern

