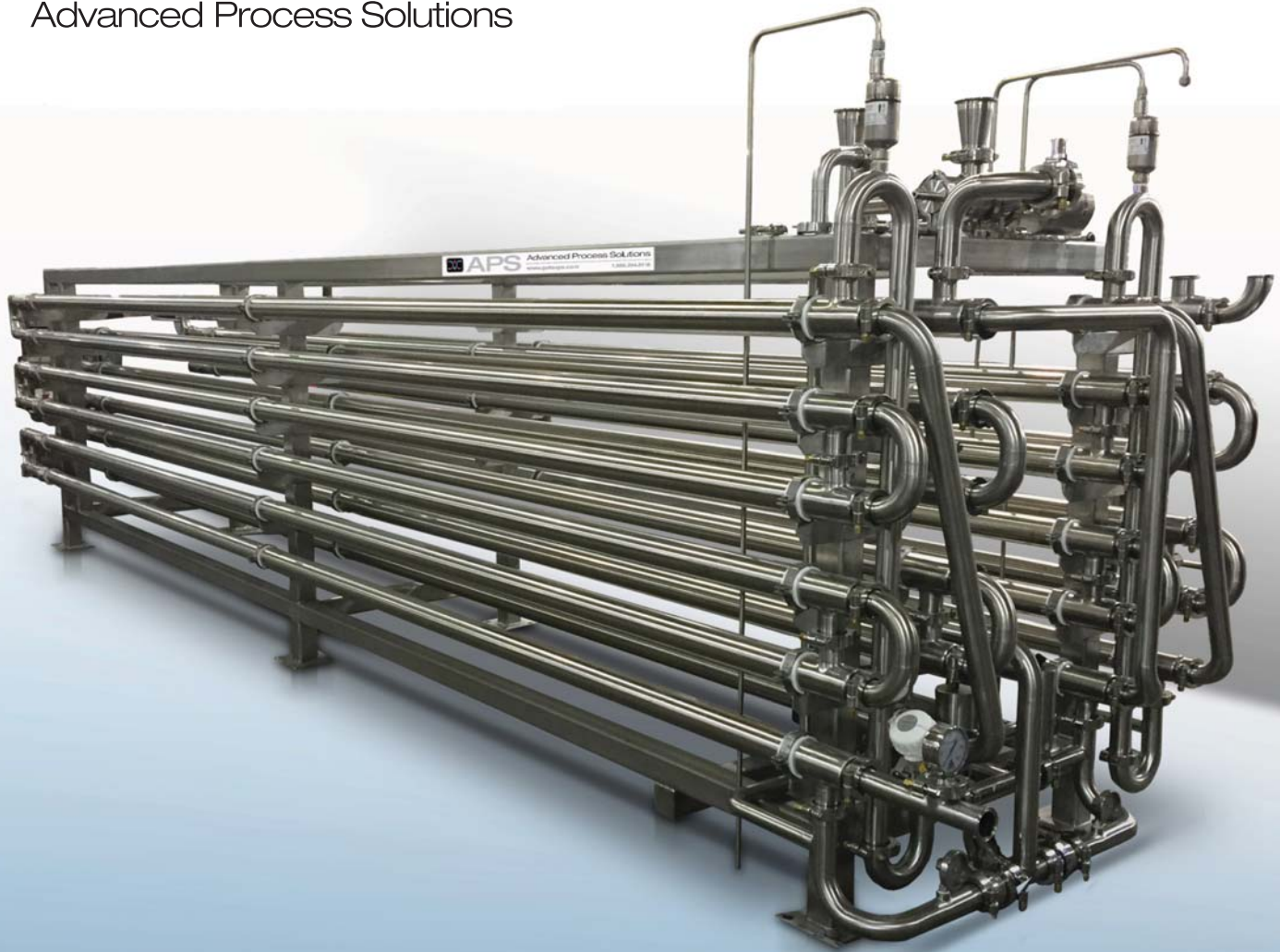


Double Tube Heat Exchangers

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



Advanced Process Solutions



APS Skidded Process System



APS Double Tube

The APS double tube design is the most basic type of corrugated tube heat exchanger. It consists of two concentric tubes—product normally flows inside the inner tube with media on the annular space inside the outer tube.



TYPES

- All welded
- All welded with expansion joint
- Demountable / Direct regeneration
- Equipped with aseptic fittings

MATERIALS OF CONSTRUCTION

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

PROVEN PRODUCT APPLICATIONS

- Salsa
- Spaghetti sauce
- Diced tomatoes
- Culinary sauces
- Particulates

APS Double Tube Heat Exchangers are ideal for particulate processing, direct or indirect regeneration heat recovery, or where the use of a product pig for minimized product loss is desired. The inner tube diameter (up to 4") makes it ideal for processing viscous products which may or may not contain large particulates. It also provides the perfect low-shear solution for protecting sensitive particulates, while still achieving efficient mixing and optimized heat transfer. Double tube heat exchangers afford a medium pressure, low investment solution for easily configurable and adaptable surface area in order to meet the ever changing demands of the modern marketplace.



PROVEN BENEFITS

- Save space and money - Ultra corrugations minimize heat transfer surface area
- Reduce system size - Customized equipment layout available
- Improve product integrity - Low product shear
- Run a variety of products - HE pressure capabilities up to 1200 psi
- Customize solutions - Product tube diameters from 1" to 4"
- Maximize HE efficiencies - Higher Reynolds numbers at lower flow rates
- Particulated Products



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