



TurboTube*

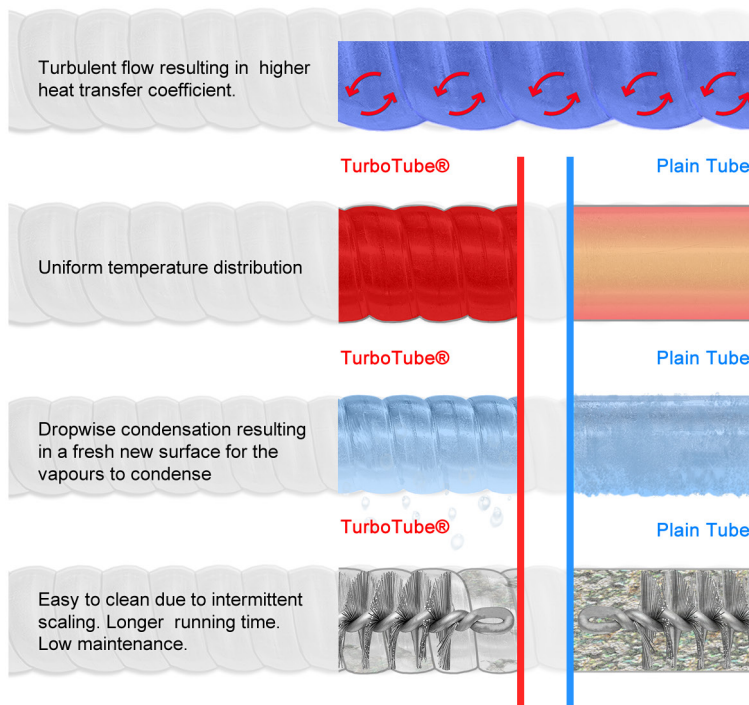
Enhanced heat transfer resistance to Fouling

We are excited to announce that Apex Engineered Products has launched a TurboTube® Division* offering free design and consultation services for your current equipment. Please note that TurboTube® solutions offer unparalleled economic advantages in upkeep, maintenance, and overall operating costs. You may realistically expect a 30%-50% improvement in performance.



THE TURBOTUBE® DIFFERENCE

Variety of Material of Construction



Higher Heat Transfer Coefficient

Uniform Temperature Profile

Longer Running Cycles

Smaller Footprint

Low Maintenance

Reduced Fouling

Economical

Versatile

Compact

Apex TurboTube® is fluid conduit that is designed to eliminate the Newtonian shear forces in conventional pipe and tube. It ensures that suspensions maintain uniform continuity throughout the transit from point A to point B. Usually this is from an agitator to a chemical reactor. Absent TurboTube®, Newtonian shear promotes precipitation of heavier and bulkier compounds out of the thinner and lighter fluid.

Compared with the legacy smooth pipe designs, where the fluid moves in a linear fashion, our TurboTube® solution provides for the fastest motion and highest pressure through the center of the conduit, while the slowest motion and lowest pressure are nearest to the walls. That low-pressure area is where the most significant benefits of separation and precipitation are most notable.



CALL NOW.
Ph: 724-962-8717
Fax: 724-962-8722



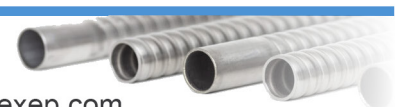
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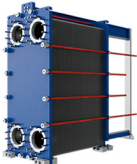



* TurboTube® is a Trademark & Patent-Pending product of Apex Engineered Products.



TurboTube*

Combines Advantages of PHE & STHE

The TurboTube® Difference	Shell & Tube Heat Exchanger	Plate Heat Exchanger	Apex's TurboTube® Heat Exchanger
			
Heat Transfer Coefficient	Low —	High +	High +
Size	Huge —	Compact +	Compact +
Temperature Distribution	Non Uniform —	Uniform +	Uniform +
Fouling	High —	Low +	Low +
High Pressure Application	Yes +	No —	Yes +
High Temperature Application	Yes +	No —	Yes +
Maintenance Cost	Low +	High —	Low +






TurboTube
Solutions for Chemical Producers

Available Exclusively From
APEX ENGINEERED PRODUCTS




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