

What will it cost to solve your problem with an AMETEK Shell & Tube Heat Exchanger of Fluoropolymer?

Why not find out?

Fill in this data form for an exact computer quote.

NAME _____ TITLE _____

COMPANY _____ DATE _____

COMPANY ADDRESS _____ PHONE _____

CITY _____ STATE _____ ZIP _____

SERVICE: Heating Cooling Partial Condensing Other FAX _____

	TUBESIDE	*	SHELLSIDE
Fluids Handled		Chemical Name	
Total Liquid Entering (1)		lb/hr	
Temperature, in/out	/	°F	/
Operating Pressure		psig	
Allowable Pressure Drop (2)		psi	
Density		lb/ft ³	
Viscosity, in/out	/	centipoise	/
Thermal Conductivity		Btu/(hr) (ft ²) (°f/ft)	
Specific Heat		Btu/lb °f	
Heat Load		Btu/hr	
Particles, size/concentration	/	in./%	/

* Please specify if other units are used.

ADDITIONAL INFORMATION FOR TOTAL AND PARTIAL CONDENSERS, AND VAPORS

	TUBESIDE		SHELLSIDE
Liquid (1)		lb/hr	
Vapor (1)		lb/hr	
Condensing Temperature		°F	
Noncondensables		lb/hr	
Molecular Weight (for vapors)			
Latent Heat		Btu/lb	
Vapor Density		lb/ft ³	
Vapor Specific Heat		Btu/lb °F	
Vapor Viscosity		centipoise	

Have Sales Engineer Phone Phone Number _____

Remarks _____

- (1) If either fluid flow is variable, provide the range of flow available. In many cases, heat exchanger needs can be optimized if process flows can be adjusted.
- (2) Provide the maximum pressure drop acceptable. Tube diameter, and tube count along with the number of heat exchangers in parallel are gently influenced by this value.

Fluoropolymer resins are generally considered inert to most chemicals. Under certain conditions of pressure and temperature, or combinations of chemicals, fluoropolymer tubing should not be used. Please contact AMETEK for discussion of your specific process to be certain that our products are appropriate for your intended use.

Adequate ventilation should be used where fluoropolymers are heated during tube repairs. Flu-like symptoms may occur from exposure to vapors evolved from fluoropolymers at very high temperatures, up to 800°F or from smoking materials that contain particles of fluoropolymers. Symptoms pass within 48 hours and are the only adverse effects observed in humans to date. Unheated fluoropolymers are essentially inert and are nonirritating to the skin.

This information set forth herein is furnished free of charge and is based on technical data which AMETEK believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with your use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

AMETEK[®]
CHEMICAL PRODUCTS

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