

## CHEMICAL PRODUCTS DIVISION / FPP

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 Re: Shell & Tube Sizing Telephone +1-302-456-4444  
 Request Form

Thank you for your inquiry regarding AMETEK's Fluoropolymer heat exchangers. Please complete the shell and tube data request form below.

Service:  Heating  Cooling  Partial Condensing  Condensing  Other

PROPERTY	TUBE SIDE	UNIT OF MEASURE	SHELL SIDE
Material name		Name	
Flow rate (1)		KG/HR	
Operating pressure		BAR	
Allowable pressure drop (2)		BAR	
Inlet temperature		DEG C	
Outlet temperature		DEG C	
Condensate or Liquid specific heat		KCAL/KG/DEGC	
Condensate viscosity at condensing temperature or Liquid viscosity at inlet temperature		CP	
Condensate or Liquid viscosity at outlet temperature		CP	
Condensate or Liquid thermal conductivity		KCAL/M/H/DEGC	
Condensate or Liquid density		KG/DM <sup>3</sup>	
<b>Additional Information for Total and Partial Condensers, and Vapors</b>			
Vapor flow rate (1)		KG/HR	
Vapor density		KG/DM <sup>3</sup>	
Vapor specific heat at inlet T		KCAL/KG/DEGC	
Vapor viscosity at inlet T		CP	
Condensing temperature		DEG C	
Latent heat of condensing fluid		KCAL/KG	
Flow rate of non-condensables		KG/HR	
<b>Heat Load</b>		<b>KCAL/HR</b>	

- (1) If either fluid flow is variable, provide a 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 greatly influenced by this value.

If water or steam is one of the fluids, the physical properties, such as specific heat, density, etc, can be left blank. If using steam or sulfuric acid, please specify the steam pressure or wt % acid.

**Please fax or email completed form to Frank Vito at  
302-456-4431 or [Frank.Vito@ametek.com](mailto:Frank.Vito@ametek.com).**

**Thank you for your inquiry!**