



42 Mountain Ave.  
 Nesquehoning, PA 18240  
[www.nichefpp.com](http://www.nichefpp.com)  
 Phone: 800-441-7777 Fax:  
 570-645-6950

**To:** INSIDE SALES **From:**  
**Company:** \_\_\_\_\_  
**Fax:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Re:** Shell and Tube Heat Exchanger request

Thank you for your inquiry regarding Niche'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)		LB/HR	
Operating pressure		PSIG	
Allowable pressure drop (2)		PSI	
Inlet temperature		DEG F	
Outlet temperature		DEG F	
Condensate or Liquid specific heat		BTU/LB/DEG F	
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		BTU/FT/H/DEG F	
Condensate or Liquid density		LB/CF	
<b>Additional Information for Total and Partial Condensers, and Vapors</b>			
Vapor flow rate (1)		LB/HR	
Vapor density		LB/CF	
Vapor specific heat at inlet T		BTU/LB/DEG F	
Vapor viscosity at inlet T		CP	
Condensing temperature		DEG F	
Latent heat of condensing fluid		BTU/LB	
Flow rate of non-condensables		LB/HR	
<b>Heat Load</b>		<b>BTU/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 this completed form with your request for quotation to Inside Sales FAX (570)-645-6950 or [info@nichefpp.com](mailto:info@nichefpp.com). Thank you for your inquiry!

**Niche**  
FLUOROPOLYMER PRODUCTS

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