

CHEMICAL PRODUCTS DIVISION / FPP

From: To: Frank Vito
 Company: Frank.Vito@ametek.com
 State: Address 42 Mountain Ave
 Fax: City ST Nesquehoning, PA 18240
 Zip
 Phone: Fax: +1-302-456-4431
 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) | | 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 | |
| Additional Information for Total and Partial Condensers, and Vapors | | | |
| 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 | |
| Heat Load | | BTU/HR | |

- (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.**

Thank you for your inquiry!