



## Heat Exchanger Application Form

Standard Xchange

Contact name: _____	Tel: _____
Company name: _____	Fax: _____
Customer address: _____	
Email address: _____	

Type of heat exchanger:	shell and tube fan cooled	plate and frame fin tube coil	brazed plate other; specify: _____
Type of application (cooler, heater, condenser): _____			
Cold fluid type:	water	ethyl or propyl glycol _____%	oil ISO VG _____ other: _____
Hot fluid type:	water	ethyl or propyl glycol _____%	oil ISO VG _____ other: _____
If selected "other" fluid above (gas or liquid or mixture), please provide the required thermal properties below:			
a. density (lb/cu. ft.):	at inlet temp: _____		at outlet temp: _____
b. thermal conductivity (BTU/hr-ft-deg F):	at inlet temp: _____		at outlet temp: _____
c. specific heat (BTU/lb-deg F):	at inlet temp: _____		at outlet temp: _____
d. viscosity (centipoise):	at inlet temp: _____		at outlet temp: _____
Maximum allowable pressure drop:	cold side: _____ psid		hot side: _____ psid
Maximum operating/design pressure and temp:	cold side: _____ psig/ _____ F		hot side: _____ psig/ _____ F
Required minimum fouling resistance (hr-ft <sup>2</sup> -F/BTU):	cold side: _____		hot side: _____
Or required minimum excess heat transfer surface:	_____ %		

**Please fill in a minimum 5 of the following 7 operating parameters:**

- Heat load (duty): \_\_\_\_\_ BTU/hr or kW or HP (heat to be removed from or added to the fluid on the process side)
- Cold fluid inlet temperature: \_\_\_\_\_ degrees F
- Cold fluid outlet temperature: \_\_\_\_\_ degrees F
- Cold fluid flow: \_\_\_\_\_ USGPM
- Hot fluid inlet temperature: \_\_\_\_\_ degrees F
- Hot fluid outlet temperature: \_\_\_\_\_ degrees F
- Hot fluid flow: \_\_\_\_\_ USGPM

Please specify preferred materials of construction and any special features, such as type of connections, horizontal or vertical mounting, overall length restrictions if any apply, specification requirements: ASME, TEMA, API, CSA B51 or other.

Comments: \_\_\_\_\_

Please forward this form to APK Thermal by email or fax, or phone us if you have any questions.