

## Heat Transfer Application for Systems with Water as the Liquid Phase (U.S. Units)

### Contact Information

Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Country \_\_\_\_\_  
 Email \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Your Reference No. \_\_\_\_\_

### End User Contact Information

End User Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Country \_\_\_\_\_

Inquiry Date \_\_\_\_\_  
 Date Quotation Required \_\_\_\_\_  
 Date Equipment Required \_\_\_\_\_

Firm Price  Budget Price

New or Existing Tower?<sup>1</sup>    New    Existing  
 Unit \_\_\_\_\_  
 Bed Depth Available (ft-in) \_\_\_\_\_

Column No. \_\_\_\_\_  
 Column Name \_\_\_\_\_  
 Existing Column I.D.<sup>1</sup> (ft-in) \_\_\_\_\_  
 Manhole / Column Access I.D. (in) \_\_\_\_\_

Welding Permitted?	Weld To Tower Shell	Weld To Tower Attachments	No Welding Permitted
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### Temperatures, Flows and Fluid Properties

	Temperature (°F)	Flow (lb/hr)	Density (lb/ft <sup>3</sup> )	Viscosity (cP)	Surface Tension (dyne/cm)
V-OUT	_____	_____	_____	_____	_____
L-IN	_____	_____	_____	_____	_____
V-IN	_____	_____	_____	_____	_____
L-OUT	_____	_____	_____	_____	_____

### Gas Composition

Component	Basis: Mole / Mass
_____	_____
_____	_____
_____	_____
_____	_____

### Gas Humidity

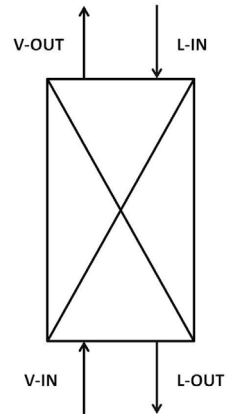
(lb H<sub>2</sub>O/lb) Dry Gas \_\_\_\_\_

### Total Heat Duty - Optional\*\*

(10<sup>6</sup>·BTU/hr) \_\_\_\_\_

### Column Operating Pressure

(psia) \_\_\_\_\_



### Construction Materials

Material of Construction for Packing & Internals \_\_\_\_\_

<sup>1</sup> If vessel is existing, please provide vessel elevation, orientation drawing, and drawings of existing tower attachments (or Koch-Glitsch drawing number if applicable).

\* Specify Temperature of at least three of the four streams.

\*\* Provide this number if available. Always good to check.

**Please provide any additional information that will help with your design and describe any documents you will send. Include relevant drawings of existing equipment so that we may design a compatible solution. Use more than one sheet if necessary.**

### Comments/Sketch