

## Tray Design Tower Specification Sheet (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 \_\_\_\_\_

Column No. \_\_\_\_\_  
 Column Name \_\_\_\_\_  
 Tower Manhole / Column Access I.D. (in) \_\_\_\_\_

Welding Permitted?	Weld to Tower Shell	Weld to Tower Attachments	No Welding Permitted
Applicable Tray Type:	Movable	Fixed Valve	Other (specify) _____

### Tray Numbers

Total Tray Quantity in Section	_____	_____	_____	_____
Tower Inside Diameter <sup>†</sup> (ft-in)	_____	_____	_____	_____
Tray Spacing <sup>†</sup> (in)	_____	_____	_____	_____
Number of Liquid Passes <sup>†</sup>	_____	_____	_____	_____
Max. Pressure Drop/Tray (psi)	_____	_____	_____	_____
Operating Pressure (psia)	_____	_____	_____	_____

### Internal Conditions: Vapor to Tray

Flow Rate (lb/hr) <sup>§</sup>	_____	_____	_____	_____
Density (lb/ft <sup>3</sup> ) <sup>§</sup>	_____	_____	_____	_____
Viscosity (cP)	_____	_____	_____	_____
Temperature (°F)	_____	_____	_____	_____

### Internal Conditions: Liquid from Tray

Flow Rate (lb/hr) <sup>§</sup>	_____	_____	_____	_____
Density (lb/ft <sup>3</sup> ) <sup>§</sup>	_____	_____	_____	_____
Surface Tension (dyne/cm)	_____	_____	_____	_____
Viscosity (cP)	_____	_____	_____	_____

### Foaming Tendency/System Factor

#### Clean/Potential Fouling

#### Operating Range % (V/L)

### Mechanical Data: Material

Tray Deck <sup>†</sup>	_____	_____	_____	_____
Cap or valve <sup>†</sup>	_____	_____	_____	_____
Hardware <sup>†</sup>	_____	_____	_____	_____
Deck Thickness <sup>†</sup> (gauge)	_____	_____	_____	_____
Support Ring Width & Thickness (in)	_____	_____	_____	_____
Design Temperature (°F)	_____	_____	_____	_____

### Corrosion Allowance

Trays (in)	_____	_____	_____	_____
Tower Attachments (in)	_____	_____	_____	_____

