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KOCH-GLITSCH®

Tray Design Tower Specification Sheet

Name:		Date:	
Title:		Date Quotation Required:	
Company:		Phone:	
Address:		Fax:	
City, State, Zip:		Email:	
Country:		End User, Location:	

Column Tag No.:		New or Existing Tower*:			
Column Name:		Unit:			
Applicable tray type:	Movable valve		Fixed valve		Other tray

Tray Numbers				
Total Tray Quantity in Section				
Tower Inside Diameter† (ft-in)				
Tray Spacing† (in)				
Number of Liquid Passes†				
Max. Pressure Drop/Tray (psi)				
Operating Pressure (psia)				
Internal Conditions: Vapor to Tray				
Flow Rate (lb/hr)§				
Density (lb/ft^3)§				
Viscosity (cP)				
Temperature (°F)				
Internal Conditions: Liquid from Tray				
Flow Rate (lb/hr)§				
Density (lb/ft^3)§				
Surface tension (dyne/cm)				
Viscosity (cP)				
Temperature (°F)				
FoamingTendency/System Factor				
Clean/Potential Fouling				
Operating Range % (V/L)				
Mechanical data: Tray Deck‡				
Material: Cap or valve‡				
Material: Hardware‡				
Deck Thickness† (gauge)				
Support Ring Width & Thickness (in)				
Corrosion Allowance: Trays (in)				
Corrosion Allowance: Tower Attachments (in)				
Tower Manhole I.D. (in)				

Tray Design Sheet continues on next page

Stream I.D.	Description	Above/ Below Tray	Phase#	Liquid Fraction (mass)	Flow Rate (lb/hr)	Density# (lb/ft^3)	Viscosity (cP)	Pressure (psia)	Temp. °F	Surface Tension (dyne/cm)

Notes:

*If existing please provide vessel elevation, orientation drawing, and drawings of existing tower attachments (or Koch-Glitsch drawing number if applicable).

† May be specified or left to the judgment of Koch-Glitsch.

‡ Material of construction to be specified by client.

If mixed phase, specify physical properties of both phases.

§ Internal vapor and liquid loadings at the limiting sections are required to ensure proper equipment design. Simulation tray-to-tray hydraulic output may be submitted in lieu of this form. Densities and mass flow rate are required at actual tower conditions of temperature and pressure.

Remarks: Use more than one sheet if necessary.

Comments/Sketch