KOCH-GLITSCH™

Reset Form

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Tray Design Tower Specification Sheet (Metric Units)

Contact Information

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

New or Existing Tower?[1] ☐ New ☐ Existing
Unit _____

End User Contact Information

End User Company _____
Address _____
City, State, Zip _____
Country _____

Inquiry Date _____
Date Quotation Required _____
Date Equipment Required _____
☐ Firm Price ☐ Budget Price
Column No. _____
Column Name _____
Tower Manhole / Column Access I.D. (mm) _____

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† (mm)				
Tray Spacing† (mm)				
Number of Liquid Passes†				
Max. Pressure Drop/Tray (mbar)				
Operating Pressure (bar abs)				

Internal Conditions: Vapor to Tray

Flow Rate (kg/h)§				
Density (kg/m³)§				
Viscosity (cP)				
Temperature (°C)				

Internal Conditions: Liquid from Tray

Flow Rate (kg/h)§				
Density (kg/m³)§				
Surface Tension (dyne/cm)				
Viscosity (cP)				
Foaming Tendency/System Factor				
Clean/Potential Fouling				
Operating Range % (V/L)				

Mechanical Data: Material

Tray Deck‡				
Cap or valve‡				
Hardware‡				
Deck Thickness† (gauge)				
Support Ring Width & Thickness (mm)				
Design Temperature (°F)				

Corrosion Allowance

Trays (mm)				
Tower Attachments (mm)				

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Stream I.D.	Description	Above/ Below Tray	Phase#	Liquid Fraction (mass)	Pressure (bar abs)	Temp. (°C)	Flow Rate (kg/h)	Density# (kg/m³)	Viscosity (cP)	Surface Tension (dyne/cm)

[1] 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.

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