



HEAT EXCHANGER WORK SHEET

Flows and Temperatures	Shell Side	Tube Side
Fluid Composition and percentage		
Flow Rate, GPM, Lbs/Hr.		
Temperature In, specify °F or °C		
Temperature Out, specify °F or °C		

Fluid Properties	Shell Side	Tube Side
Fluid Name	Avg.	Avg.
Specific Heat, Btu / (lb/°F)	Avg.	Avg.
Viscosity, centepoise	In/Out	In/Out
Specific Gravity or Density, lb/ft ³	In/Out	In/Out
Latent Heat, (phase change), Btu/lb		
Operating Pressure, psig, psia		

Support Information	Shell Side	Tube Side
Allowable Pressure Drop, psi		
Fouling Factor, (ft ² hr° F)/Btu		
Design Pressure, psig or psia		
Design Temperature, °F or °C		

Materials of Construction	Shell Side	Tube Side
Shell Side		
Tube Sheets		
Tubing		
Heads, Bonnets, Covers		
Baffles		
Flanges, Fittings		

Code Compliance	Shell Side	Tube Side
ASME		
TEMA, specify class		
API-614		
Other		

Type of Unit Desired

Straight Tube _____ U-Tube _____ Notes _____
 Fixed Tube Sheet _____ Floating Tube Sheet _____ Notes _____
 Removable Bundle _____ Other, Specify _____