

QUESTIONNAIRE HEAT EXCHANGER



COMPANY		TELEPHONE	
CLIENT		TELEFAX	
DEPT.		E-MAIL	
ADDRESS		PROJECT	
AREA CODE		REFERENCE	
CITY		DATE	

Process Data:

Cooling

Heating

	Unit	Process Fluid		Service Fluid	
		Inlet	Outlet	Inlet	Outlet
Name					
Flow total	kg/h				
Liquid part	kg/h				
Vapour part	kg/h				
Temperature	°C				
Density	kg/m³				
Viskosity (fl.)	mPas				
Viscosity at T(Wall)	mPas				
Spec. Heat	J/kgK				
Heat conductivity	W/mK				
Pressure (Inlet)	bar(a)				
Pressure (allow)	bar				
Fouling					

Rheology of Process fluid Newtonic Non Newtonic (Please add curve viscosity / sheer stress)

Heat of reaction: kW

Heat of evaporation: J/kg

Heat capacity: kW

Mechanical Data:

	Process Fluid	Service Fluid
Design pressure (bar)	bar(a) <input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
Design temperature	°C <input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
Material of construction	<input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
Corrosion allowance	mm <input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
Nozzle Inlet/Outlet - type&size	<input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
Nozzle drainage/venting - type&size	<input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
Orientation and Support:	<input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	<input type="checkbox"/> Legs/Support <input type="checkbox"/> _____
Type of heat exchanger:	<input type="checkbox"/> Single Pipe <input type="checkbox"/> Shell&Tube	<input type="checkbox"/> MR
Assamby of mixing elements	<input type="checkbox"/> Removable	<input type="checkbox"/> Non removable
Max. total size of heat exchanger	<input style="width: 100px;" type="text"/> Length	<input style="width: 100px;" type="text"/> Diameter
Design according to:	<input style="width: 150px;" type="text"/>	