

## GRAPHITE HEAT EXCHANGER - Questionnaire



MB Plastics Europe  
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Application : Absorber

Section A: Customer information		
<b>Company:</b> <input style="width: 90%;" type="text"/>	<b>Contact name:</b> <input style="width: 90%;" type="text"/>	<b>Phone:</b> <input style="width: 90%;" type="text"/>
<b>Date:</b> <input style="width: 90%;" type="text"/>	<b>Quote for:</b> <input type="checkbox"/> Budget <input type="checkbox"/> Urgent	

Section B: Fluid parameters	Detail	Unit
Incoming gas composition		W/W
Pressure of incoming gas		mm WC / Bar g
Incoming gas flow rate		Kg/hr
Required product HCl acid concentration		%W/W
Required product HCl acid outlet temperature		°C
Utility (Cooling water) pressure (Note: Utility Chilled water will be required if Product HCl acid concentration required above 35 %)		Bar g
Utility (Cooling water) Inlet temperature		°C
Utility (Cooling water) Outlet temperature (Normally we consider 5 °C rise)		°C
Utility (Chilled water) Inlet temperature (In case Product HCl acid concentration required above 35 %)		°C
Utility (Chilled water) Outlet temperature (In case Product HCl acid concentration required above 35 %) (Normally we consider 5 °C rise)		°C
Allowable pressure drop on utility side		Bar
Pressure of DM water available at site (Minimum required pressure is 2 Bar g)		Bar g
Temperature of DM water		°C
Please specify MOC required on shell side: IS 2062 Gr E250 Quality A or B OR SA-516 (All Grade)		
Any additional requirements / Remarks:		
Mechanical Design code / If any (Otherwise we will consider standard engineering practice)		

Efficiency of falling film absorber is around 85-90%, so unabsorbed gases leaving from falling film absorber, needs to be absorbed in adabtic packed bed column , which you may consider in FRP material