

# GOOCH THERMAL SYSTEMS

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# SLUDGE SPIRAL HEAT EXCHANGERS

## Design Questionnaire Form

## MADE IN USA

1	Customer:	Date:	
2	Attention:	RFQ No.:	
3	Address:	Due Date:	
4	Zip:	Email:	
5	Phone: Ext:	<b>Sludge:</b> Heating Cooling Both	
6	Fax:	No. of Units: Digestor Size:	
7	<b>PERFORMANCE</b> Specify duty for one heat exchanger	<b>HOT SIDE</b>	<b>COLD SIDE</b>
8	Fluid Circulated		
9	Total Fluid Quantity Flow Rate Lb/h		
10	Flow Rate GPM		
11	Temperature Program In / Out °F		
12	Fluid Physical Properties Density/Specific Gravity		
13	Specific Heat		
14	Thermal Conductivity		
15	Viscosity		
16	Operating Pressure (< 50 psig)		
17	Pressure Drop Allowable / Max. psi		
18	Fouling Factor (Typically 0.0003 total)		
19	Heat Exchanged		
20	<b>CONSTRUCTION</b>		
21	Design Pressure		
22	Design Temperature		
23	Connection Size		
24	<b>MATERIALS</b> Please specify (circle) an appropriate grade of plate and gasket material in contact with the fluids.		
25	Spiral Plate Carbon steel (typical MOC in municipal industry)	304/304L	316/316L
26	Gaskets Non-Asbestos (typical grade in industry)	Other (specify):	
27	Type of Sludge(s):	% Solids:	
28	Raw Sludge Feed Lbs/Day: Winter Raw Sludge Temp. (avg.) °F:		
29	<b>COMMENTS</b> For replacements, advise sludge H/X Model No. (if known) or capacity, plate width & spacings.		
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31			
32			
33			

Please return completed Form to GTS by fax for a rapid response quotation. Thank You.

Fax completed form to: (908) 236-9333

[www.goochthermal.com](http://www.goochthermal.com)

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