



Houston, Texas  
Ph 832.300.1122

# HELICAL COIL SEPARATOR

1	Inquirer's Name: _____		Equipment Name: _____	
2	Project Name: _____		Item No.: _____ Quantity: _____	
3	Location: _____		Sheet No.: 1 of _____	
4	Equipment Loc: _____		MED Quote #: _____	
5	<b>Process Data</b>			
6	FLUID HANDLED	Natural Gas (0.63 SG Typical)	Entrained Liquids (.85 typical as related to H <sub>2</sub> O)	
7	FLOW RATE (MMSCFD)		OPER. PRESSURE (psig)	
8	CONTAMINANTS		OPER. TEMPERATURE (°F)	
9	PERFORMANCE REQ'D	Remove 99.5% of all particles (solid and liquid) 4.0 microns and larger is KLS standard		
10	PRESSURE DROP	2.0 PSI (clean)	***** PSI (max. dirty)	
11	OTHER CONSIDERATIONS	Does Application Require High Pressure Spray Injection System? (Y/N) - Mueller to Recommend Design		
12	<b>Mechanical Data</b>			
13	<b>INTERNAL</b>	<b>TYPE/ MODEL</b>	<b>EXTERNAL</b>	<b>TYPE/ MODEL</b>
14	HELICAL ELEMENTS	By Mueller	FOUNDATION TYPE	
15	SURFACE PREPARATION	Paint System	GROUNDING LUGS	Yes
16	INSIDE DIAMETER (ft)	By Mueller	RELIEF TYPE	Thermal or Fire Side Relief
17	TANGENT TO TANGENT (ft)	By Mueller	ASME STAMP REQUIRED	Yes
18	SUPPORT TYPE	Legs, Saddle, Skirt or Cleats	BOARD REGISTRATION REQ'D	Yes
19	STRESS RELIEF	As dictated by ASME	SEAMS:	
20	INLET CONNECTION SIZE	XXX inches	SLUGGING CAPACITY REQ'D	XX U.S. GALS
21	OUTLET CONNECTION SIZE	XXX inches	LIQUID LEVEL CONTROLS	Yes / No
22	LIQUID STORAGE REQ'S	XX U.S. Gals	DUMP VALVES	?
23	SLUGGING CAPACITY REQ'D	XX U.S. Gals	RELIEF VALVE	?
24			LL GAUGE	?
25	<b>Materials of Construction</b>			
26	SHELL		FLANGES	
27	HEADS		BOLTING	
28	NOZZLES		GASKETS	
29			STRUCTURALS	
30	<b>Design Standards</b>			
31	DESIGN PRESSURE (psig) or MAWP		DESIGN CODE	ASME Section VIII, Div.1
32	DESIGN TEMPERATURE (°F)	-20 /+120	DWGS. AND DATA REQ.	
33	HYDRO TEST PRESSURE, TIME, LGTH		EARTHQUAKE ZONE	If Yes then what Zone?
34	LETHAL SERVICE	Yes / No	CORROSION ALLOWANCE	If Yes then what Zone?
35	RADIOGRAPHIC EXAM.	RT1, RT2, RT3 or RT4		
36	WIND LOAD (velocity mph)			
37	<b>Inspection Requirements</b>			
38	CUSTOMER INSPECTION REQ'S			
39	DATA BOOK REQ'D			
40	<b>Vendor / Customer RFQ Info</b>			
41	MANUFACTURER	Mueller Env. Designs		
42	DATE OF INQUIRY			
43	Inquirers Name		Notes:	
44	Phone No			
45	Cell Phone No			
46	Email Address			
47	Quote Required Date			