

# HELICAL COIL SEPARATOR PROCESS DATA SHEET

## Customer Information

Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Project: \_\_\_\_\_

Item #: \_\_\_\_\_

Tag #: \_\_\_\_\_

## Application Process Data

Gas Name:  Air  Steam  Natural Gas  Other \_\_\_\_\_

Molecular Weight: \_\_\_\_\_ Or Specific Gravity: \_\_\_\_\_

Flowrate: \_\_\_\_\_  MMSCFD  Lbs/Hr  Kgs/Hr  Other \_\_\_\_\_

Operating Pressure: \_\_\_\_\_  PSIG  PSIA  Kp  Kpa  Other \_\_\_\_\_

Operating Temperature: \_\_\_\_\_  F  C

Compressibility Factor (Z): \_\_\_\_\_

## Entrained Particulate

Liquid:  Yes  No Solids:  Yes  No

Water  Iron Oxides

Oil  Iron Sulfides

Other \_\_\_\_\_  Other \_\_\_\_\_

Liquid Density \_\_\_\_\_ Solids Concentration \_\_\_\_\_  
 Lbs/Ft3  Lbs/Ft3  
 Other \_\_\_\_\_  Other \_\_\_\_\_

Or  
 Liquid Specific Gravity \_\_\_\_\_

Liquid Flow Rate \_\_\_\_\_  GPM  Lb/Hr  Kg/Hr  Other

Liquid Slugging  Yes  No

Allowable Pressure Drop \_\_\_\_\_  PSIG  Kp  Other

Flange to Flange

Internals Only

## Vessel Mechanical Design Data

### Materials of Construction

Vessel	Internals	Separator Element
<input type="checkbox"/> A-516 Grade 70	<input type="checkbox"/> A-516 Grade 70	<input type="checkbox"/> SA 4130 (standard)
<input type="checkbox"/> 304 SS	<input type="checkbox"/> 304 SS	<input type="checkbox"/> 304 SS
<input type="checkbox"/> 316 SS	<input type="checkbox"/> 316 SS	<input type="checkbox"/> 316 SS
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

ASME Design and Stamp  Yes  No

Design Pressure \_\_\_\_\_  PSIG  Bar G  Kg/Cm2 G  Other

Design Temperature (min/max): \_\_\_\_\_ / \_\_\_\_\_  F  C

Corrosion Allowance: \_\_\_\_\_  Inch  MM

Radiography: \_\_\_\_\_  None  Spot  Full  100%

Other NDT  No  Yes \_\_\_\_\_

Magnetic Particle

Ultrasound

Postweld Heat Treatment

Other Customer Specifications Apply  No  Yes - Please attach

Third Party Inspection Required  No  Yes

## Coatings:

Vessel  
 None  
 SSPC-SP - \_\_\_\_\_  
 Primer \_\_\_\_\_ Mills DFT  
 Intermediate \_\_\_\_\_ Mills DFT  
 Top Coat \_\_\_\_\_ Mills DFT  
 Other \_\_\_\_\_

Internals  
 None  
 SSPC-SP- \_\_\_\_\_  
 Prime  
 Other \_\_\_\_\_

## Controls:

Liquid Level Controller  No  Yes Quantity \_\_\_\_\_

Low Level

High Level

Liquid Level Switch  No  Yes Quantity \_\_\_\_\_

Low Level

High Level

Pressure Differential Transmitter  No  Yes

Pressure Gauge  No  Yes Quantity \_\_\_\_\_

Other \_\_\_\_\_

## Vessel Connections

Service	Quantity	Size	Rating	Type
Inlet	_____	_____	_____	_____
Outlet	_____	_____	_____	_____
Drain	_____	_____	_____	_____
Vent	_____	_____	_____	_____
Level Gauge	_____	_____	_____	_____
Level Switch	_____	_____	_____	_____
Level Controller	_____	_____	_____	_____
Pressure	_____	_____	_____	_____
Temperature	_____	_____	_____	_____
Differential	_____	_____	_____	_____
Relief	_____	_____	_____	_____
Inspection	_____	_____	_____	_____
Manway	_____	_____	_____	_____
Other	_____	_____	_____	_____
Other	_____	_____	_____	_____

Quick Opening Closure  No  Yes Quantity \_\_\_\_\_

Full Opening  No Size \_\_\_\_\_  Yes

**MUELLER ENVIRONMENTAL DESIGNS, INC.**

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