



## System 1 & 2 Application Data Sheet

### Table of Revisions

Date	Revision	Version	ER Number	Description of Changes
December 21, 2010	00		5579	Initial Issue created by Tracy Parker, previously F0126.
April 24, 2018	01		DC18-0003	Revised by Roslyn M. to update datasheets. Revised by Dianna Reed-Ilori to update properties and other information.

<b>Technical Reviewer</b>	Gary Fransen	April 24, 2018
<b>Reviewer Name</b>	Rafael Carbajal	April 24, 2018
<b>Approved for Issue</b>	Ilenny Guevara	April 24, 2018



## System 1 & 2 Application Data Sheet

Prepared By \_\_\_\_\_ Company \_\_\_\_\_ Date \_\_\_\_\_

Phone # \_\_\_\_\_ Email \_\_\_\_\_

End User \_\_\_\_\_ Final Destination \_\_\_\_\_

Quantity \_\_\_\_\_ Tag Information \_\_\_\_\_

**Required Information:** Dimensional drawing/sketch and P&ID

### Specifications

<b>Application</b>
<input type="checkbox"/> Tank Dewatering <input type="checkbox"/> API / Oil Skimming <input type="checkbox"/> Other (Specify): _____
<b>Process Temperature</b>
<input type="checkbox"/> 32°F to 300°F (0°C to 148°C) <input type="checkbox"/> 32°F to 450°F (0°C to 232°C) <input type="checkbox"/> Other (Specify): _____
<b>Power Supply</b>
<input type="checkbox"/> 24 VDC – 4 Wire System (Not loop powered)* <input type="checkbox"/> 120 VAC* <input type="checkbox"/> 220 VAC* <input type="checkbox"/> 24 VDC Loop Powered (2-Wire System) HART** <input type="checkbox"/> Other (Specify): _____ <small>*MC-201 with LOGIC          **2 Independent probes (customer controls LOGIC)</small>
<b>Probe Material</b>
<input type="checkbox"/> 316L SS <input type="checkbox"/> Duplex 2205 <input type="checkbox"/> Super Duplex 2507 <input type="checkbox"/> Hastelloy (C276) <input type="checkbox"/> Monel 400 <input type="checkbox"/> Other (Specify): _____
<b>Pressure Rating</b>
<input type="checkbox"/> ANSI 150# <input type="checkbox"/> ANSI 300# <input type="checkbox"/> ANSI 600# <input type="checkbox"/> Other (Specify): _____

<b>Type of Hydrocarbon/Organic</b>
Specify: _____
<b>Type of Water / Aqueous Phase</b>
<input type="checkbox"/> Process Water <input type="checkbox"/> Steam Condensate / Distilled / Rain Water <input type="checkbox"/> Other (Specify): _____
<b>Ambient Temperature</b>
<input type="checkbox"/> 32°F to 122°F (0°C to 50°C) <input type="checkbox"/> -4°F to 122°F (-20°C to 50°C) <input type="checkbox"/> Other (Specify): _____
<b>Process Connection</b>
<input type="checkbox"/> Seal Housing <input type="checkbox"/> Flange welded to probe shaft <input type="checkbox"/> U-Cup holder <input type="checkbox"/> U-Cup holder welded to flange <input type="checkbox"/> U-Cup holder threaded to flange <input type="checkbox"/> Compression Fitting welded to flange <input type="checkbox"/> Other (Specify): _____
<b>Seal Housing / Flange Material</b>
<input type="checkbox"/> 316L SS <input type="checkbox"/> Carbon Steel <input type="checkbox"/> Duplex 2205 <input type="checkbox"/> Super Duplex 2507 <input type="checkbox"/> Hastelloy (C276) <input type="checkbox"/> Monel 400 <input type="checkbox"/> Other (Specify): _____
<b>Connection Type (NPT or Flange)</b>
<input type="checkbox"/> NPT <input type="checkbox"/> RF (Flange) <input type="checkbox"/> RTJ (Flange) <input type="checkbox"/> Other (Specify): _____



Output Options	
<input type="checkbox"/> 4-20 mA <input type="checkbox"/> Relay* <input type="checkbox"/> Local Indicating Lights* <input type="checkbox"/> Digital Display <input type="checkbox"/> Other (Specify): _____	
* Option not available for 2-Wire Loop Powered/STD on MC-201	
Enclosure	
Hazardous Areas	Safe Areas
<input type="checkbox"/> Aluminum <input type="checkbox"/> 316L SS <input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Fiberglass <input type="checkbox"/> Other (Specify): _____ <input type="checkbox"/> Backplate (no enclosure)
IP-66 Standard	
Electrical Certifications	
<input type="checkbox"/> CSA-US <input type="checkbox"/> ATEX <input type="checkbox"/> GOST <input type="checkbox"/> Other (Specify): _____	

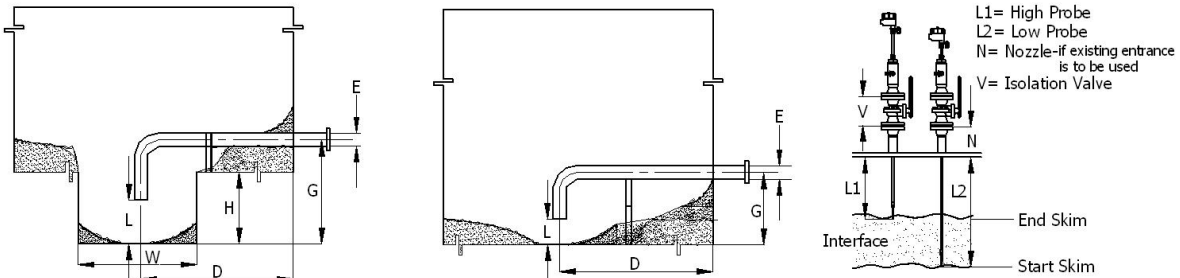
Connection Size	Nozzle Schedule
<input type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Sch 40 <input type="checkbox"/> Sch 80 <input type="checkbox"/> Sch 160 or above
Minimum inside diameter of nozzle and isolation valve 1.8"	
Electrical Entries	
<input type="checkbox"/> 3/4" NPT Standard Optional Adapters <input type="checkbox"/> 3/4" NPT X 1/2" NPT <input type="checkbox"/> 3/4" NPT X M20 <input type="checkbox"/> 3/4" NPT X M25	
Process Service	
<input type="checkbox"/> Sour Service <input type="checkbox"/> Other (Specify): _____	

Probe Information
Select one of the drawings below and provide dimensions / Hand Sketch.

Application Description: Circle the type of tank application and fill in appropriate data, if available. If different than below, hand draw the tank on the back of the application data sheet. Please include the diameter of the water draw off line and maximum and minimum interface levels.

D \_\_\_\_\_ E \_\_\_\_\_ G \_\_\_\_\_ H \_\_\_\_\_ L \_\_\_\_\_ W \_\_\_\_\_  
 L1 \_\_\_\_\_ L2 \_\_\_\_\_ N \_\_\_\_\_ V \_\_\_\_\_

Number of sumps per tank \_\_\_\_\_



**REQUIRED: P&ID and Installation drawing for ALL formal quotes**