

General Information

Customer _____ Date _____
 Name _____ Number of Systems _____
 Title _____ Delivery Required _____
 Address _____ RSO Name _____
 City _____ RSO Phone # _____
 State/Country _____ RSO Fax # _____
 Postal Code _____ Installation Address _____
 Phone _____ Fax _____

Pipe Information

IMPORTANT: Please indicate inches/millimeters, feet/meters, and °F/°C where appropriate.
 Pipe Size _____ OD _____ ID _____ inches mm
 Pipe Sched/Wall Thickness ____ ; _____ SS _____ CS _____ Fiberglass
 Other _____

Operating Conditions

Process Temperature Range: _____ to _____ Nominal _____ °F °C
 Process Temperature Range: _____ to _____ Nominal _____ PSIG kg.cm²
 Is there air entrainment at measurement point? yes no
 How much does it vary (% by volume)? _____

Pulp Information

Pulp Type (e.g., virgin, broke, recycle) _____
 Consistency Range _____ to _____ % Cs, Nominal _____ %Cs
 Type of Additives (ash): _____ Ash % Concentration: _____

Location in Mill

What part of process will unit be installed? _____
 Note: Sketch out installation details (i.e., broke chest, pumps, mounting, etc.)
 What vessel is the pulp coming out of? _____ Going into? _____
 Can the unit be mounted 10 pipe dia. downstream from any elbow/obstructions? Yes No
 How far away is the dilution valve? _____ Upstream Downstream ; Size of Valve _____
 How far away is the sample valve? _____ Upstream Downstream
 Temperature input device _____ RTD _____ 4-20mA transmitter
 Supplied by: _____ Kay-Ray/Sensall _____ Customer
 Thermowell available? Yes No

Environmental Conditions

Unit Location: Indoor Outdoor
 Ambient Temperature Range at unit: _____ to _____ °F °C
 Pipe Vibration Characteristics: _____ Frequency _____ Amplitude _____ Acceleration (Gs)
Note: The ConsistencyPRO system must be mounted off the pipe on an isolation collar. This mounting is required unless indicated otherwise. Consult factory for vibration specific and isolation collar mounting details.

Consistency Installation Checklist

1. Pipe/Tubing size (incl. schedule, gauge [OD & ID] and material type): _____
2. Length of straight pipe prior to unit location (min. 10 pipe dia.): _____
After location: _____ Horiz. or Vert. Installation: _____
Bends or elbows (distance to & upstream / downstream): _____
3. Vibration noted (mill to measure if possible, mag. & freq.): _____
4. Nearby obstructions (eg., dilution lines, temp. probe in wells, etc. - note distance from obstructions):

5. Evidence of air in pipe (knocking sounds): _____
Air variation: _____ % Variation: _____
6. Is unit to be in control of process or for monitoring? _____
7. If possible, look into tank prior to measurement point and note observations (such as agitator exposed or air bubbles on surface, etc.): _____

8. Process location (e.g., HD tank outlet, etc.): _____
9. Distance to dilution valve: _____
10. Size of dilution valve to be controlled (is it sufficient to obtain control)? _____
Dilution valve before pump or after pump: _____
11. Location of sample valve (in relation to meas. point): _____
Type of sample valve (manufacturer): _____
12. How is the sample being obtained (method)? _____
13. How is the sample being evaluated (method, e.g., Tappi T240)? _____
14. Ash additives (type and other possible additives): _____
Concentration (% of total): _____ Variation of solids: _____
15. Process pressure (psi of process in pipe at meas. point): _____
Is the pressure constant? _____
16. Temp. input device (external or internal to process pipe; 4-20 or RTD, thermowell or strap-on):

17. Is the customer trained (understands and can operate the ConPRO themselves)? _____
18. Is the customer using 268 or 375? _____
19. Control system DCS, etc. _____
20. Draw a diagram of the installation or attach a copy of the piping schematic with an explanation of the location to be installed

Note: All application questionnaires must be reviewed by the factory prior to quotation.

Additional Comments

Mail or Fax this form to

Thermo Fisher Scientific

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Sugar Land, Texas 77478

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For more information or help with this form

Call 800-437-7979 or 713-272-0404