

INSTALLATION OPTIONS

Rosemount Analytical has three separate sensor options for this application. The Model 242 flow-through sensor is flanged and uses a PEEK or ceramic liner for maximum chemical resistance. The retractable Model 228 sensor has a unique lead screw design that allows safe retraction through a ball valve at up to 2030 kPa (295 psig).

The Model 226 Sensor, with its 4.75 cm (1.87 in.) bore, can be used when large solid particles are present and can also be adapted for flange mounting.

Compatible toroidal conductivity analyzers include the Model 5081-T and Xmt-T DC-powered HART and FOUNDATION Fieldbus analyzers, the Model 1056-21 analyzer, and the Model 54eC HART analyzer/controller. The Model 5081-T is housed in a robust explosion-proof enclosure that is especially suited to the harsh pulp mill environment. The Model 54eC is compatible with both toroidal and contacting conductivity sensors for optimum versatility in the field. Consult the appropriate Product Data Sheet for complete details.

INSTRUMENTATION

Model 5081-T Two-wire Conductivity Transmitter

- Automatic/Manual temperature compensation to ensure accurate monitoring and control.
- Hand-held Infrared Remote Control (IRC) link to activate all transmitter functions.
- AMS compatible.



Model 228 Retractable Toroidal Conductivity Sensor

- Convenient isolation of sensor for cleaning or replacement.
- Easy insertion/retraction of sensor.
- Flush ports on assembly chamber to allow sensor cleaning.



Model 226 Toroidal Conductivity Sensor

- Toroidal (inductive) principle of measurement greatly reduces sensor fouling problems.
- Chemically-resistant materials withstand the effect of highly corrosive solutions.
- Large-bore design prevents plugging by solid particles.



Model 54eC Conductivity Analyzer

- Measures Conductivity, Resistivity, or Percent (%) Concentration.
- Uses either contacting or inductive sensors to meet most application requirements.
- Optional TPC and PID control capability.
- Fully Descriptive Diagnostic Messages and easy-to-use interface spells out each operation in English, French, German, Italian, or Spanish.
- Two Independent Outputs for conductivity and temperature.
- Three alarms with Programmable Logic, plus one dedicated fault alarm.



Model 242 Flow-Through Toroidal Conductivity Sensor

- Now available in 4" pipe size.
- Toroidal measurement principle greatly reduces sensor fouling.
- Automatic temperature compensation with integral RTD.
- Externally-mounted toroids are protected from harsh processes.
- Modular design allows liner replacement without sensor replacement.



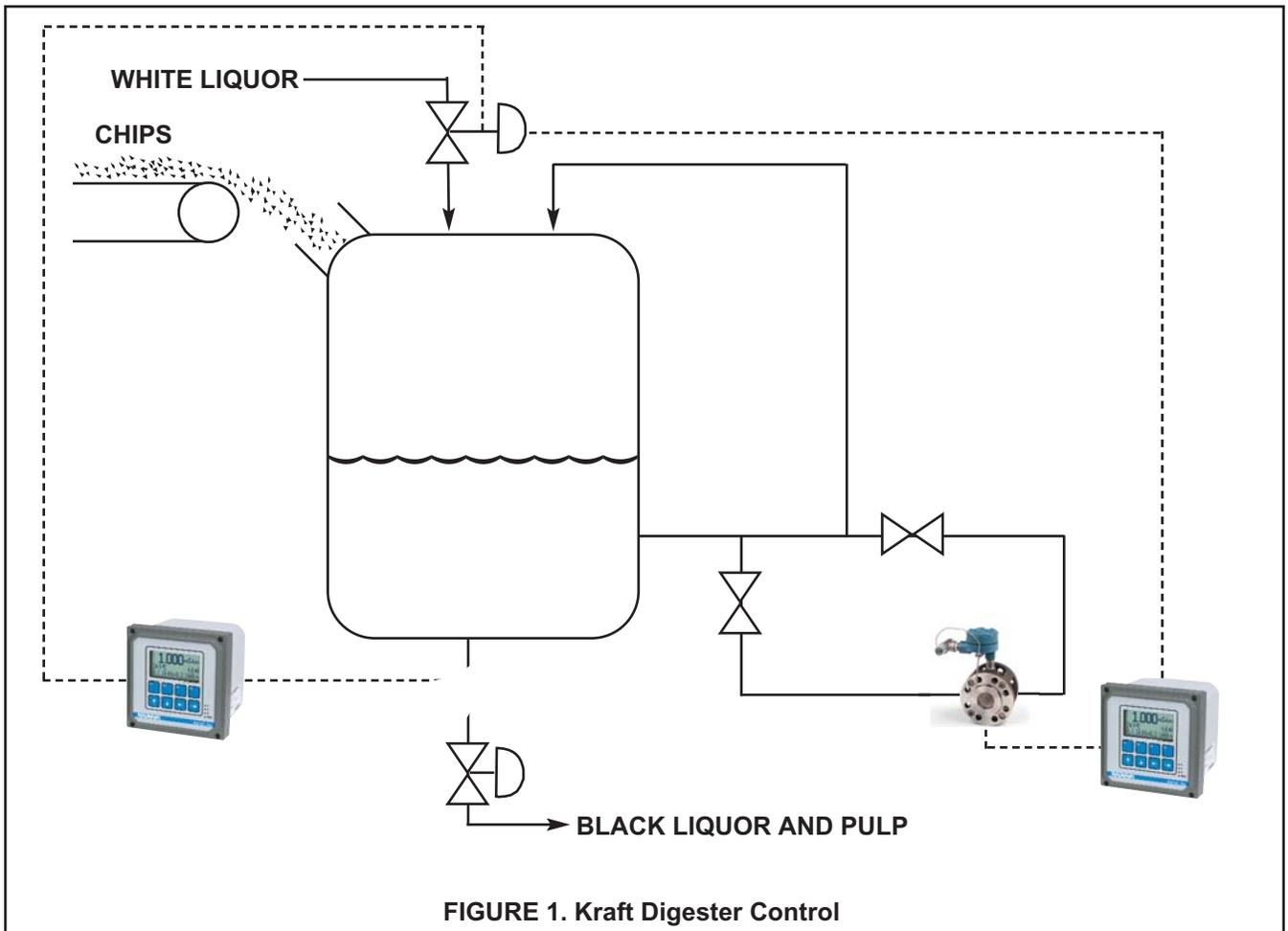


FIGURE 1. Kraft Digester Control



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