



Technical Note 122

CoagSense Application Questionnaire

Pi are committed to ensuring that you get the best experience from your CoagSense. To ensure that the CoagSense is suitable to meet your coagulation control objectives we need the following information to get every installation right first time, every time. When you have completed the form please email it to your local sales organisation or direct to the factory.

Contact Info

Name.....

E-mail.....

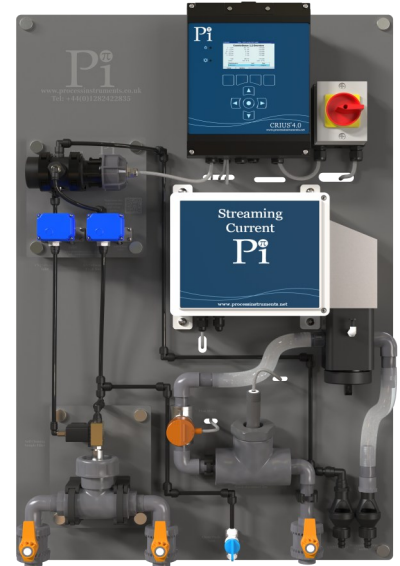
Mobile No.....

Plant Name.....

Town.....

Country.....

Date.....



Application

- Application type: Water Plant, In-plant Process, DAF, Laundry, Other (explain):
- Batch Process: _____, Occasional Shutdowns: _____, or Continuous Online Process: _____.
- Quality Water Data (please indicate units):

| | | | |
|-------------------------------|------------|------------|---------------|
| Flow Rate | Max: _____ | Min: _____ | Normal: _____ |
| TOC (Raw Water) | Max: _____ | Min: _____ | Normal: _____ |
| UVA (Raw Water) | Max: _____ | Min: _____ | Normal: _____ |
| UVA (Final Water) | Max: _____ | Min: _____ | Normal: _____ |
| Turbidity (Raw Water) | Max: _____ | Min: _____ | Normal: _____ |
| Turbidity (Settled Water) | Max: _____ | Min: _____ | Normal: _____ |
| TDS (Raw Water) | Max: _____ | Min: _____ | Normal: _____ |
| *Alkalinity (Raw Water) | Max: _____ | Min: _____ | Normal: _____ |
| pH (Raw Water) | Max: _____ | Min: _____ | Normal: _____ |
| *pH (Post Coagulant Addition) | Max: _____ | Min: _____ | Normal: _____ |
| Coagulant (PPM) | Max: _____ | Min: _____ | Normal: _____ |

Coagulant Type: _____.

- Raw water sample to be obtained from: open channel with submersible pump _____ pressurised line _____ gravity feed _____ other (explain): _____
- Post coagulant sample to be obtained from: open channel with submersible pump _____ pressurised line _____ gravity feed _____ other (explain): _____

***MUST include**

6. Is coagulant/flocculant being fed at a point that ensures thorough mixing with the stream before the post coagulant sample for CoagSense is taken? Yes _____ No _____
7. Estimated (calculated) lag time from chemical feed point to sample take off point:
Under Max. flow: _____ seconds, Under Min. flow: _____ seconds
8. Does raw water flow change widely (+/-30%), and/or frequently in a relatively short time (e.g. once per hour).
Yes _____ No _____ If Yes, how often or quickly: _____
9. Is an open, atmospheric drain available at sensor location? Yes _____ No _____
10. Is coagulant currently paced on raw water flow? Yes _____ No _____
11. Which of the following instruments are already on site and able to provide an output for the CoagSense to use?

Raw Water

Turbidity:

pH:

UVA/UVT:

Settled Water

Turbidity:

pH:

Final Water

Turbidity:

UVA/UVT:

Tell us more

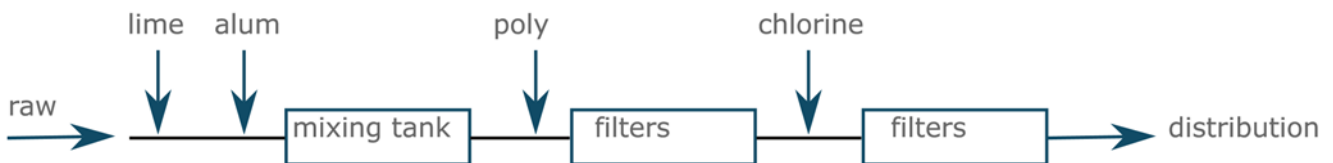
If plans include using the CoagSense for Auto-Control, then please answer the following questions:

1. Is it planned to pace chemical on both a raw water flow and CoagSense signal, or just the CoagSense signal alone?

2. Will the chemical feed control be performed by SCADA/PLC with a signal from the CoagSense or direct from the CoagSense?

3. Does chemical feed pump accept: _____ 4-20mA signal _____ pulse?

Drawing



Please draw below (or attach) a line diagram showing raw water flow, all chemical feed points, mixer, possible sample points, settling basins, filters, etc. Something like this: