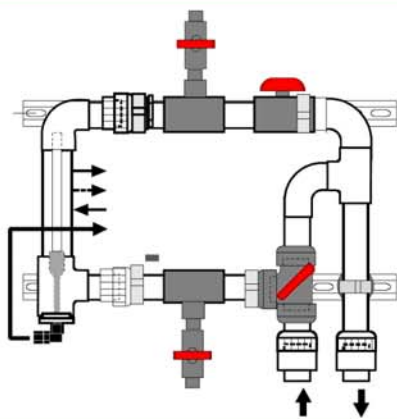


ChemScan®

Accessories

Sample Handling Options &
Data Communication



Wastewater Filter Options

Typical applications:

- aeration basins
- SBR
(sequenced batch reactors)

External Filter Required

TSS is greater than
150 mg/L
NTU is greater than 60

No Filter Needed

TSS is less than
150 mg/L
NTU is less than 60

In-Situ Cyclic Filter (In-Tank Wand)



Run is less than 50 ft
Lift is less than 10 ft

Maximum of Four Filters/
Sample Lines per Analyzer

No external pump required

* SBR Applications Require
Pivoting Wand Mount -
Std. Wand is Fixed Angle

Freeze protected (Heat
Traced option available)

Flow-Through Cyclic (FTC) Filter



Run less than 500 ft



Maximum of Four Filters
Per Analyzer

External Pump(s)
Required
- Provided by ASA
or Others

10-20 GPM

Cross-Flow Filter



Run is less than 1500 ft.

Maximum of 8 Sample
Points Per Filter System

External Pump(s)
Required
- Provided by ASA
Alternative: Valves and
Single Central Pump

30 GPM Minimum

Sample Circulation Chamber (SCC)

For coarse screening. Algae screening protects analyzer inlet screens and reduces maintenance. Typical applications include post secondary clarifier.

TSS is less than 150 mg/L, NTU is less than 60

Run is greater than 20 ft
Lift is greater than 5 ft

Maximum of Eight Sample Lines

External Pump(s)
Required
- Provided by ASA
or Others

3 - 10 GPM



Other Accessories

Heat Traced Cyclic Sample Line

Flexible conduit prevents freezing and damage to sample line. An option for any cyclic wand application.



Sample Circulation Pumps

Light Duty, Submersible Pump
1.3" Max. Dia. Solids
Weight: 20 - 30 lbs
Power: 1/4 - 3/4 HP, 120 VAC 60 Hz
Power Cable: 20 feet
12 foot SS support cable

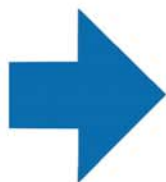


Heavy Duty, High Head, Submersible, Grinder Pump. Cast Iron Construction.
Weight: 70 lbs
Power: 2.3 HP 230 or 460 VAC
Power Cable: 30 feet
Mounting: Dual guide bars
Note: Guide bars are typically provided by others

Legend

TSS - Total Suspended Solids
NTU - Nephelometric Turbidity Units
GPM - Gallons Per Minute
Run - Horizontal Distance to Sample Point
Lift - Vertical Distance to Sample Point

Data Communication Options



Electronic
Interface
Enclosure

Analog

Serial

Ethernet IP

CIM

Customer Interface Module



Features a Max. of Eight 4-20 mA Outputs, Alarms and Input

PLC

Programmable Logic Controller



For use when 4-20 mA Outputs are greater than eight

RS-232 Modbus RTU



Direct from Analyzer to Terminal Block in EIE

SUB-D RS-232 terminal for temporary laptop connection available in lower enclosure

RS-422/485 Converter



See Factory for Limitations

Modbus TCP/IP



AB Ethernet IP (Allen Bradley)



Typically used when connecting to Allen-Bradley Plant System

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