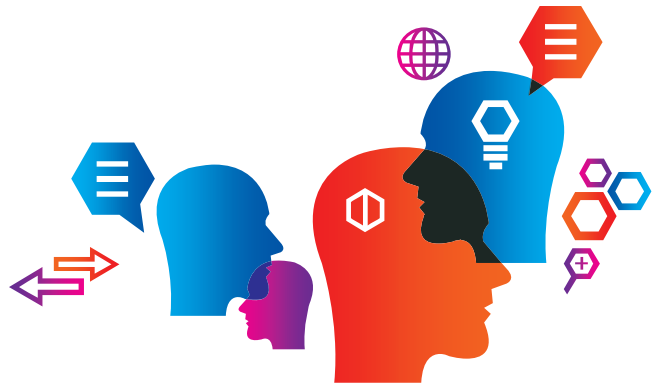


Technical Details Advantage AF-2 & EC-1

AF-2



Components

- Combination I/O Card - 2 Output - 2 Input (Analog)
- 1400 Micro-Logic Programmable Logic Controller
- 600 Series HMI Touch Screen Control
- TSS Analyzer with Probe (0 - 1500 mg/l.)
- 24 Volt Internal Power Supply
- Nema Enclosure - Fan Cooled
- Supplied Circuit Breaker
- Ethernet Communication Switch for PLC and HMI

Control

- Two analog outputs (4 - 20 mA) for coagulant and polymer pumps.
- Two analog inputs (4 - 20 mA). One used for TSS Analyzer input to PLC.
- One digital input for supplied 110V run signal.
- TSS Probe cleaning slip stream controlled by one digital output from PLC.

Pumps

- Pump sizing is critical to optimize the variable output of the 4 - 20 mA signals.
- Chemical pumps will need VFD (4 - 20 mA) capability. If not already installed pump upgrade will be the responsibility of the customer.

EC-1

Components

- Nema 4X Driver Enclosure with 12V Power Supply and Proprietary circuitry.
- 110V Power Cord with 3 Prong Plug
- Twin Waterproof High Density Plastic Induction Plates with Mounting Brackets.
- Stainless Steel Gear Clamps for Induction Plate Installation.
- Waterproof Signal Cable Connectors.

Control

- Analog Amplitude adjustment.
- Analog Pulse Timing adjustment.

