

---

## SYSTEM CONTROLS

### Features/Benefits

- Industrial Programmable Logic Controller (PLC) and Human Machine Interface (HMI) components
- Reliable PLC automation and sequencing
- Allen-Bradley based systems
- HMI in panel serves as both local control interface and backup for SCADA (if supplied)
- NEMA 4X Operator Pilot Devices (indicating lights, push buttons, selector switches). Push-to-Test (PTT) option for lights
- PLC remote access for all biological / membrane systems
- HMI based hour meters provided for all motors
- Optional Auxiliary Equipment Controls or Alarms (chemical feed, UV system)
- Auto dialers, Variable Frequency Drives (VFDs), uninterruptible power supplies, lightning-surge protection available
- Customer Service support

### Typical Configuration

- PLC (Programmable Logic Controller) performs all equipment automation in a given system
- HMI (Human Machine Interface) provides operations window into process for monitoring and adjustments
- Hardwired, manual control (independent of PLC system) of major equipment is provided via selector switches and indicating lights on main control panels
- Available with starters in panel or MCC configuration
- Open network connectivity (Ethernet)