

## Model MFP2 Automatic Controller



- A. The controller shall govern the operation of the filter system by means of a programmable logic controller. All power to the controller and valves shall be 120 VAC or 230 VAC- single phase.
- B. The controller shall be housed in a Nema 4X fiberglass polyester enclosure with padlockable stainless steel snap latch hinges.
- C. The controller shall include a 4-row x 24 character LCD display with a 16 button numeric tactile feedback keypad and programmable function keys with LED's. The unit shall display system operation and status functions.
- D. The controller shall include (5) miniature plug-in double pole/double throw (DPDT) relays and (4) quick disconnect fuse holders fully integrated to manage the system functions.
- E. A pressure switch shall be installed to sense and signal for backwash actuation based on a pre-set pressure drop.
- F. 1/2" strain relief connections shall be provided in the bottom of the enclosure for all of the necessary input connections.
- G. The Model MFP 2 Controller shall provide the following operational features:
  - 1. Manual backwash initiation
  - 2. Automatic backwash initiation (pressure and/or time options)
  - 3. Timer for time clock backwashing
  - 4. Fixed backwash duration and delay features
  - 5. Real time clock with battery backup of data entry to maintain time during power failure.
  - 6. Capable of controlling up to (4) four filters and (1) one priority valve.
- H. All controller programming shall be accomplished using on-screen instructions.

