

## M300 Filtration / Polisher Advanced Functions

### Filtration Operating Modes

Earthsafe Filtration / Polishing Systems include the C800 OmniPlex or C900 CentraPlex controller. Either controller is capable of operating the filtration / polishing unit in a variety of modes. The operating modes are based on our experience with users, who tend to have varying opinions about which mode best suits the operating characteristics of their facility. Here are the primary operating modes that are used:

**Manual Mode:** Pump circulates fuel while in the manual mode until the OFF mode is selected.

**Manual Mode with Time Out:** Pump starts when manual mode is selected and runs for programmable ON time ( Set ON Hrs and ON Mins). When set time is reached the pump stops until reset by placing in OFF then back to Manual. This works best if the facility has a set day that they test and inspect generators. On that day they start the pump and it runs for the set time to circulate the tank contents and then stops until next week. Another use is a run time after a load of fuel is received.

**Manual Mode with Gallons Out:** Same as above except set gallons instead of time.

**AUTO Mode With ON / OFF Cycle:** The unit is programmed for an ON and OFF Cycle ( Hours and Minutes). When the selector is placed in the AUTO mode, then the ON cycle starts, followed by the OFF cycle and repeated continuously. A common application is to set 8 – 24 hours ON cycle, and 160-144 hours OFF cycle to make an even 168 hour week. Then at a fixed time, say Tuesday at 8:00 AM, place the unit in AUTO mode. The unit will re-start its ON cycle every Tuesday at 8:00 AM.

**Auto Mode with Gallons Cycle:** Same as above except set gallons instead of time. Unit will restart every week at same time and run for Gallons set cycle.

**Auto Mode with Day / Time Start and ON Cycle:** Set the controller for the day of the week and time of day for the start of the ON cycle, and set the ON cycle time. Cycle will repeat every week.

**Auto Mode with Day / Time Start and Gallons Cycle:** Same as above but set gallons instead of ON cycle time.



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