



## MPC 5000 Operation

### Initial Startup,

1. Turn on power.
2. Push **“Alarm/ Display”** to silence alarm.
3. Make sure intake and discharge sea cocks are open.
4. Open pressure relief valve. See Fig. 1 (back)
5. Push the **“Auto Run”** button. System will run to purge storage chemicals.
6. After alarm, close pressure relief valve and push **“Auto-Run”** to restart. System will run and purge any residual chemicals from system.

**To Bypass the startup mode push “Auto Run” and “Stop” simultaneously. Repeat until you get a “Purge mode bypassed” message.**

### Normal operation,

1. Confirm that intake and discharge sea cocks are open.
2. Push **“Auto Run”** once for each hour you would like to make water.

After several minutes the “good” light should come on indicating that water is going to the tank. At the end of the run cycle the unit will automatically perform a fresh water flush and go into the **“Auto Store”** mode.

The system will then perform a fresh water flush every five days.

**The pressure water system must be on for this to be effective.**

**To monitor** system operation push **“Alarm/ Display”** to scroll through to view Product Flow, Salinity, Feed water pressure, filter condition, and the operational hours. To toggle to Liters and Bar push and hold **“Alarm/Displ”**

**“Check Sea strainer”** alarm indicates a blockage in the strainer, or in the 50 micron filter, Clean sea strainer or replace 50 micron filter. Clear fault by pushing **“Alarm/Display”**. Restart system with the **“Auto Run”** See Fig. 2 and 3 (back)

**“Check Prefilter”** clear alarm with **“Alarm/ Display”** Clean or replace filter at next opportunity. If filters become totally clogged system will shut down with the second **“Check prefilter”** alarm and will not restart until the filters have been replaced. See Fig. 4.

**“System Stalled”** indicates a lack of flow through the system or that Clark pump is not cycling. Check to make sure that the pressure relief valve is closed and that the stroke sensor is flashing See Fig. 5.

Fig.1

The pressure relief valve must be open to purge any storage chemicals out of the system. In new startups make sure that the plastic spacer behind the knob is removed. Open counter clockwise 1/2 turn. Close firmly hand tight.



Opening Pressure relief valve

Fig.2

Sea strainer is the first “filter” in the system. Unscrew and remove bowl to clean debris from the screen. Caution! There is a gasket to seal the bowl that can be misplaced during the cleaning process.



Fig.4

20 and 5 Micron filters. Use same procedure as the 50 micron to service.



Fig.3

50 Micron filter (on Right) can be removed and cleaned or replaced on the “Check Sea Strainer” Alarm. Close inlet valve on module. Use black filter wrench to unscrew bowl. Replace filter and tighten bowl firmly. Reopen valve. Caution! Do not lose the O-ring seal.



Fig. 5 Stroke sensor. Check for blinking green light indicating flow

