

BioPure Pro4

Machine Coolant Filtration System

Operation and Set-up Procedures

- 1) Remove the BioPure Pro4 from it's packaging.
- 2) Inspect shipment for all required components as well as for any damage that may have occurred during shipment.
- 3) Position the BioPure Pro4 unit as close as possible to the sump being filtered and locate your 110 volt AC power supply.
- 4) Connect all tubing and hose clamps that were included in the shipment. (refer to diagram 1)
- 5) Extend the inlet hose and skimmer to the sump. Allow the skimmer to float in the coolant and separate the spacers so the slots are accessible closest to the surface.
- 6) Extend the outlet hose/ coolant return line back to the sump.
- 7) Inspect all connections and assure that all hose clamps are properly tightened.
- 8) The BioPure Pro4 unit is now ready for initial start-up. You must prime the pump each time the unit is started dry. To prime the pump simply pour coolant from sump into the skimmer to completely fill the suction line. Now plug the BioPure Pro4 pump into your grounded 110v source. Depress the pressure release valve on the third cartridge housing until coolant begins to leak and release the valve. Check system for leaks, if any are found un-plug and tighten troubled connections.
- 9) Locate the label marked install date & set-up psi, After 5 minutes of running record the operating PSI levels for each gauge on your system.



The PSI for each type of coolant can change so this number is not a constant. Also make sure to record the date of installation. These two numbers are crucial for proper maintenance and filter changes. The BioPure Pro4 unit should be operated at a minimum of 16 hrs/day and for best results 24 hrs each day 7 days per week.



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Filter Replacement

The first stage is a coalescent media cartridge(CC3-101), second stage is a 20 Micron particulate cartridge(CC3-102) and the third stage is our patented coalescent polisher and bacteria control cartridge(CC3-YA).

CC3-101 and CC3-102 cartridges should be replaced simultaneously whenever the PSI reading is 10 PSI above the initial set-up PSI, or every 6 months, whichever comes first.

CC3-YA cartridge should be replaced every 6 months.

To replace any of the filters unplug the BioPure Pro4 pump and allow to drain. Place a container below the filter housings and lower the housing sumps. (Use included housing wrench to assist) drain coolant back into operating sump, replace filter and re-tighten housing (again using wrench)!!!!Do Not Over Tighten!!! Plug unit back in and check for leaks.

