

JanProducts Centrifugal Pump Instruction Manual

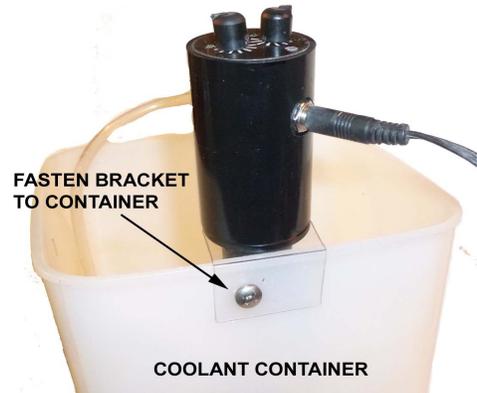
SAFETY NOTICE:

This is **NOT** a submersible pump. At no time should the entire pump be submerged. Electric shock can occur. Pump should only be mounted as directed. Pump is designed for use with soluble oil.

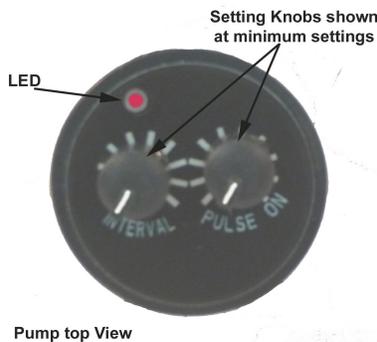
DESCRIPTION: This pump is designed for use on metal cutting machines without coolant systems or sumps. The concept is to keep the tool wet with periodic pulses of a small amount of coolant, rather than full continuous coolant flooding. The pulses are regulated by a micro-controller and set by two knobs on the top of the pump. (See Fig 1.) One knob controls the **length** of time the pump is on and the other knob controls the **amount** of time between pulses.

MOUNTING: Install hose to fittings. Prior to plugging in power, hang pump on the side of the container you will use as sump. Clamp the bracket to the side of the container with bolt, clamp, or some other method to fasten the bracket to the container.

USE: Plug the 12V DC connector to pump. The LED on the top of the pump will flash quickly a few times, then blink at 1 second intervals. This is to show the pump is energized. When the knob marked "Pulse On" is rotated counter clock wise all the way, the control will continue to run, but the pump will not come on. This to facilitate turning off the pumping action. The knob will have to be rotated clockwise to at least the first line to start pumping. Whenever an adjustment is made to either knob, the pump pulses a short burst. This is in case coolant is needed immediately. Depending on setting of PULSE ON, the pump motor will run at different speeds. On longer pulses, pump speed will be slower than with shorter pulses. The motor also has ramp up and ramp down, do not be concerned hearing motor speed changes. You can also unplug or plug in unit to turn on or off. Settings will not change.



Adjustments to settings will vary based on the height of the pump is relative to nozzle, the viscosity of the oil, and the size of the tubing or fittings used. The pump will pump 6 foot of head with the tubing, fittings and nozzle provided, and low viscosity soluble oil.



Rotate knob marked "INTERVAL" clockwise to increase times between pulses. Times are from 5 seconds to 1 minute.

Rotate knob marked "PULSE ON" clockwise to increase the length of time of the pulse. Times are from 2 seconds to 22 seconds.

Do not use excessive force in turning knobs.

TROUBLESHOOTING: There are no maintainable items on pump. If pumping stops, insure pulse on knob is not full left. Insure LED is blinking, if not check power supply. If debris get into pump and jams, remove bottom cover and remove debris. Do not run pump dry for extended periods, as the lower bearing may be damaged.