

## OPERATION

### SET-UP

1. Locate the jet near the drain line on a level surface with drainage.

Tip: Ideally, the drain line should be cleared from the downstream side, that is, from the street back toward the house. If you must clear the line from the drain toward the street, you may need to use a siphon pump to clear away excess water.

2. Check the oil level in the pump. If low, fill with SAE 30 weight nondetergent oil.

3. Check the inlet filter to make sure it's clean before each use. To clean, unscrew filter cap, remove the screen and rinse thoroughly with water. Then, replace screen.

4. Check that incoming water supply is clean and free of debris. Turn the water source on for at least 15 seconds to remove any possible debris in the water before connecting hose to water inlet.

5. Connect one end of a water supply hose (not included) to the water supply and the other end to the water inlet of the jet machine.-

Water supply must be a minimum of 20 psi and not to exceed 100 psi. Caution: Water temperature must not exceed 140 degrees or damage to the pump can occur. Use only heavy duty 3/4" hose of no more than 50 ft. in length. If run without an adequate water supply, the pump will cavitate. Cavitation causes the pump to vibrate, causing damage to the pump. Note: Lack of water supply can lead to seal damage, causing a loss of pressure and will void the warranty to the pump.

6. Maximum temperature from the water source should not exceed 140°F (60°C). Using water hotter than 140°F (60°C) can cause damage to the pump and void the warranty. If jet is being used to clear ice blockages, see instructions on Ice Blockages.

7. Select the proper hose diameter for the line to be cleaned. When using new hose, run water through it to clean it out before attaching the nozzle.

## OPERATION

### USE

1. Select the correct jet hose size to match the line size you are clearing. (See Hose Section Guide) Check all hoses for wear and damage. Tighten all connections securely.  
the correct nozzle and attach to the end of the hose. (See Nozzle Selection Guide) Note: If you are using a new jet hose, run water through it to flush out debris before connecting a nozzle.
3. Insert the jet hose 2 to 3 feet into the drain line before turning on machine.
4. Turn on the water supply valve fully to allow for maximum flow.
5. Turn on the jet output valve and allow water to run through the supply hose, jet, and jet hose to purge air from system before turning on the machine.
6. Make sure that the output valve is turned on and the water is flowing.
7. Plug in GFCI power cord to proper receptacle and voltage.
8. While holding onto hose firmly to prevent hose from whipping around, turn the jet motor switch on.
9. Guide the jet hose into the drain line. Do not feed the hose continuously, but rather, move the hose forward and back to allow the pressure to break up the stoppage and the water flow to flush it away. If you are clearing the line from the upstream side, this may take more time. Clearing the line from the downstream side allows debris to flow away easily.
10. It is often helpful to turn on the Vibra-pulse valve. The vibration generated helps to hose overcome the friction in the line and glide farther down the line. See Vibra-pulse section.
11. When the jet hose encounters a bend, it's advance will usually slow or stop. The hose has a slight bend in it from the hose reel. It may be necessary to manually feed or rotate the jet hose to work it around the bends. If the hose won't advance, put the hose in a loop and rotate it a quarter to half turn so the curve of the hose

matches the pipe. It may also be necessary to pull the hose back six inches and snap it forward to hop across a gap in the pipe fitting.

12. Once you reach the stoppage, pass the hose back and forth through the section several times to ensure the line is thoroughly cleared. You may also switch nozzles to a wide spray or rotary (optional) nozzle for wall to wall cleaning action.

### VIBRA-PULSE®

Pulsation makes the hose vibrate, helping the jet go longer distances and around tight bends easier. The pulse control valve is located on the front of the pump. Simply turn the valve on to engage the pulse. Vibra-pulse is most effective in a 1/8" hose. You'll notice less vibration with a 1/4" hose, and almost none with a 3/8" hose. However, the pulse is still effective, causing the water to burst from the nozzle hundreds of times per second. If you are still having difficulty getting hose around a tight bend, switch to a smaller diameter hose.

### SHUT DOWN INSTRUCTIONS

After drain cleaning or spray washing is completed, run clear water through the system. Always leave the output valve in the on position when turning off motor. Turn off water supply and drain as much water from the pump as possible. Remove water supply hose from inlet. If you are in a cold climate, see Freeze Protection section.