



DRAIN JETTING MANUAL

WARNING: These are HIGH POWERED UNITS that can harm you if used incorrectly. Be sure to read all manuals before operating and wear safety clothing during operation.

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Before Starting:

Read all owner's manuals sent with this Jetter before operation. Instructions for Engine and pump maintenance can be found in their respective manuals.

Jetting Operation Overview

1. Locate machine in operation position. Gasoline engines need to be outside.
2. Connect pressure hose from pump to foot pedal or ball valve.
3. Connect foot pedal or ball valve to hose reel.
4. Sewer hose should be rolled onto reel so it will roll off from the top of the reel.
5. Install jetter nozzle.
6. Insert sewer hose about three feet into drain.
7. Connect and turn on Garden Hose water supply.

8. Start machine. CAUTION – Never let engine run more than 2 minutes without starting jetting water flow.

9. Regulate operating water pressure to job requirements.

10. Hold onto sewer hose.
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11. Turn on water flow with foot pedal or ball valve.

12. Jet flow from sewer tip will pull the sewer hose into the Sewer line.

Caution

1. Always wear Protective Safety gear, such as, but not limited to, Rain Coat or Coveralls, Rubber Boots, Face shield or Goggles, Gloves and Hearing Protection.

2. Never Start the machine with the jetter nozzle outside the drain.

3. Do Not remove the jetter nozzle from the drain while the unit is Under pressure.

4. Do Not run the machine for more than two minutes with the jetter water flow shut off (by-pass mode). This will overheat the Jetter pump and could cause injury to you.

5. To start the water flow, step on the foot valve easily or open the Ball valve slowly for a smooth start up procedure.

6. If you purchased a Hot Pump Jetter or converted and Hot Water Pressure Washer into a Jetter, Jetting with Hot Water is

very dangerous. Be very careful not to spray hot water on you or any other persons helping you.

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Good Things To Know

1. The jetter nozzles are designed, to draw the sewer hose into the line. However, in some cases you will need to rotate or move the hose in and out, to get it through and around clogs or around corners. There is a little art to this, you will understand after jetting a few times.
2. It is best to jet from the low end of the line, so the water can drain out as you go. If you are jetting from the high end of the line you may have to stop occasionally to allow the accumulated water to drain past the jetter nozzle.

Pulse Control

1. The pulse control handle is located on the face of the pump, by turning the handle to the left you get a steady stream of water to be used with the pressure washer gun and tips or the Laser and Rotating sewer nozzles.
2. By turning the handle to the right, you get a pulse water flow to Be used with the Ram or Corner sewer nozzles.

Sewer Hose to Line Size

It's important to use the proper size hose in relationship to size line you are cleaning so the hose will feed and go around corners properly without doubling back on you.

1/8" hose should be used with 1" to 3" lines

1/4" hose should be used with 3" to 6" lines

3/8" hose should be used with 4" to 12" lines

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Sewer Nozzles – What They Do

It's important to use the correct nozzle to get the job done properly.

Ram Nozzle – used with pulse water to beat out blockage

Laser Nozzle – used with constant water to cut out blockage

Corner Nozzle – used with pulse water to force the nozzle around corner

Rotating Nozzle – used with constant water after line is unclogged

Septic tank and Man Hole Entrances

To help reach line entrances in septic tanks and man holes, you can use a piece of 2" PVC pipe with a 45° angle on the end. Make it long enough to put the 45 into the line entrance while you stand on top. Then run the jetter hose through the PVC and into the clogged line.

Don't Let It Freeze

It is best to keep your Jetter in a heated area to prevent freezing, so you will not damage the pump head, hose or other expensive parts of your jetter. If this is not possible you will need to do the following. Cut a 2ft piece of garden hose with the male hose connector, so you can connect it to the female garden hose fitting on the Jetter machine. Put a funnel in the other end, hold the hose upward and pour a mixture of 50% water – 50% antifreeze into the funnel. Cycle the motor until antifreeze comes out the water outlet. This will need to be done after every use.