HOSE SELECTION
When using a new hose, run water through it to clean it out before attaching to nozel.

<table>
<thead>
<tr>
<th>Hose Size</th>
<th>Pipe Size</th>
<th>Typical Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
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<tr>
<td>1/2&quot;</td>
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</tbody>
</table>

It is important to select the longest possible hose size in order to have as much pressure as possible at the end of the hose. Pressure is measured at the pump, not at the end of the hose. When choosing a hose size, keep in mind that pressure is lost as water travels through the length of the hose. The longer the distance water travels, the greater the pressure decreases.

NOZZLE SELECTION
Make sure the nozzle you use matches the size of the pump. For example, a 1000 PSI pump requires a different nozzle than a 3000 PSI pump. Selecting the wrong nozzle will cause either a pressure loss, which will limit the cleaning ability, or a build up of too much pressure, which can damage the machine. All nozzles will have holes in the rear to propel the hose down the line, as well as to clean the line. A nozzle with both a rear and a forward hole is used to penetrate solid grease on drainage blockages. Always check nozzles before each use for possible clogs.

1500 PSI NOZZLES
1/8" 40 Degree Multiple Rear Jets
1/8" 40 Degree Multiple Rear Jets w/Forward Jet
1/4" 60 Degree Multiple Rear Jets
1/4" 60 Degree Multiple Rear Jets w/Forward Jet
1/4" 70 Degree Multiple Rear Jets w/Forward Jet
1/4" 70 Degree Multiple Rear Jets w/Forward Jet
1/4" 70 Degree Multiple Rear Jets w/Forward Jet

The 15 Degree nozzles have a tighter spray pattern and move driving power for longer runs. The 40 Degree nozzles have a wider spray pattern for removing grease from the walls of a drain line.

STEPS FOR SAFE OPERATING
IMPORTANT: Before proceeding with the operation of the machine, be sure you have read carefully and understand all warnings, cautions, and the pre-operation checklist. Check all levels.

1. Connect one end of the supply hose to the water faucet. Turn water faucet on fully and purge air from the hose line—turn water off. Connect the other end of the hose to the water inlet connection at pump. Select and securely fasten nozzle to jet hose. Insert hose into the line to be cleaned at least 3 feet.

2. Turn on the water faucet.

3. Start electric motor.

4. Open water valve in jetter hose. The hose will begin to advance into the drain line. Pull additional hose from the reel and guide it into the line.

5. The Electric Ei jetter will operate up to 1500 PSI. If the machine is operating at a lower pressure, the pressure control knob can be turned clockwise to increase pressure. The operating pressure is shown on the pressure gauge. Turn the knob counterclockwise to decrease pressure.

6. Always pull the water jet hose back one-half the distance advanced. The jetter cleaning of the line takes place when the hose is pulled back toward the operator. By moving the hose back and forth, it also helps ensure that the hose is not caught in the pipelines.

7. If the hose fails to advance down the line or has difficulty in maneuvering around bends, rotate the hose by forming a loop of hose near the drain opening, then rotate the loop 90 degrees to 180 degrees until the hose advances. If possible, it is always best to clean a line from the lower end.

PULSATION
The Electric Ei jetter (1500 PSI) comes equipped with a pulsator. The pulsator will assist in moving the jetter hose into the pipeline and around tight bends easier. The pulsating action in the hose reduces drag on the jetter hose, and with the assistance of the nozzle, causes the jetter hose to propel itself into the drain line. Always start the electric motor with the pulsate off. It may not always be necessary to use the pulsation feature on lines with minimum blockage. The job can usually be completed without pulsation.

TO ENGAGE IN PULSATION:
1. Make sure unit is running and hose is in line.
2. Turn the pulse valve clockwise until a noticeable pulsation can be felt in hose.
3. Adjust knob until desired pulsation level is reached.
4. When the line has been cleared, turn off pulsation completely.

SHUTDOWN
After blockage has been cleared and water is flowing through the line, close water supply valve to jetter hose. Turn off motor. Retract hose from line and rearm on reel.

ELECTRIC EEL MANUFACTURING CO., INC.
501 W. Leffel Lane, Springfield, Ohio 45506
PH: 937-323-4644
FAX: 937-323-3767

CALL TOLL FREE
1-800-833-1212

ELECTRIC EEL MANUFACTURING CO., INC.
501 W. Leffel Lane, Springfield, Ohio 45506
Call Toll Free: (800) 833-1212 (937) 323-4644 FAX: (937) 323-3767
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10/2019 1-11
Model EJ1500

**Model EJ1500 Electric Powered Drain Jetter**

### Applications

- ideal for cleaning **GREASE, SOAP, SLUDGE & SAND**

<table>
<thead>
<tr>
<th>Hose Size</th>
<th>Pipe Size</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>2&quot; - 4&quot;</td>
<td>Kitchen sinks, laundry drains &amp; clean-outs</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>1 1/4&quot; - 2&quot;</td>
<td>Small lines, bathroom sinks, tight bends</td>
</tr>
</tbody>
</table>

### Nozzles

- **2"** Hose - set of (3): 40° Multiple rear jets, 15° Multiple rear jets, Multiple rear jets w/forward jet
- **1 1/8"** Hose - set of (2): 40° Multiple rear jets, Multiple rear jets w/forward jet

### Spray Patterns

- **Forward jet** - to penetrate a blockage
- **Rear jets** - to drive hose down a line and clean walls of pipe

A tight spray pattern (15°) has more driving power for longer runs. A wide spray pattern (40°) is good for cleaning grease on the walls of the pipe.

### WARNING:

**GENERAL OPERATING WARNINGS**

- Read the operating instructions carefully before operating any Electric Eel product. Sewer/drain cleaning can be dangerous if proper safety procedures are not followed. Know the proper operation, limitations and correct applications of all Electric Eel products before use.

- This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

### CAUTIONS

- Always wear safety glasses, face shield, and rubber gloves when operating the machine.
- Always avoid eye or skin contact with acids or caustic substances while cleaning sewers and drains.
- Before using the machine, make certain drain water supply does not contain any impurities such as dirt, debris, or foreign objects. Turn off all water for at least 15 seconds and set it on before connecting hose to machine to remove any debris.

### PRE-OPERATION CHECKLIST

**IMPORTANT:** Review material carefully before proceeding to operational instructions.

1. The inlet screen must be cleaned regularly before each use to avoid damage to the pump and nozzle.
2. Before using the machine, make certain drain water supply does not contain any impurities such as dirt, debris, or foreign objects. Turn off water for at least 15 seconds and set it on before connecting hose to machine to remove any debris.
3. Hose used for water supply should have an inside diameter of at least 5/8-inch. If it is run without proper water supply, pump damage can occur. The supply must be capable of providing the flow rate required by the pump.
4. Water temperature should not exceed 140° F as high temperature can cause failure of seals in pump.
5. Check the level of pump oil before each use. The oil should be half way up the sight glass.

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