


Picture equipment:	Equipment:	Gorlitz GO 68 series drain cleaning machine
	Name of Shop or Dept:	CSUDH Campus – Plumbing Department
	Job Title:	Plumber
	Analyzed by:	Dawn Tabua
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Required PPE:

Work Boots	Leather Gloves	Hearing Protection	Safety Glasses	Safety Vest (near traffic)	Mask/Face Protection
					

Required Trainings

Review the manufacturer’s operating procedures below:



Gorlitz GO 68 Drain Cleaning Machine.pdf

Training must also include one-on-one instruction before first use. The use of this equipment is prohibited from use by individuals without proper authorization and training.

GENERAL HAZARD WARNINGS

This tool must only be used according to manufacturer instructions. It may not be used for any purpose other than what it was designed for. Although this tool is designed to be used in wet environments, it may not be used when raining, even if a ground fault circuit interrupter is present. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust; power tools create sparks which may ignite the dust or fumes. Proposition 65 warning: This product may expose you to chemical such as lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. See the user’s manual for more information

PRE-INSPECTION		
TASK	HAZARDS	CONTROLS
Inspect the work area for debris, standing water, and other hazards. Ensure the area is clean and well-lit	Electric shock, trip hazard	Employees must report known hazards and remove them when possible before work begins.
Cordon off work area and ensure that the open drain is under control of the worker.	Tripping hazard	Keep all spectators at a safe distance from the work, especially children.
Check for loose tools, clothing, hair, or other objects before starting the machine	Pulling or caught into rotating parts	Keep hair confined and do not wear loose clothing, hoodies with draw strings, or anything that can be caught and pulled by rotating parts
USING THE DRAIN CLEANER		
Don all required PPE before touching the equipment	Preventative step	Refer to list above to ensure proper PPE is available and used
Position machine as close to cleanout as possible (no more than 3 feet)	Tripping hazard Strains	Proper equipment positioning reduced chance of strains and tripping hazards
Before plugging in, insert appropriate cutting attachment	Automatic start up; nip point, cuts or other injury	Follow the steps to prevent both automatic start up and resulting injuries
Ensure that the trigger switch is 'off' then attach the foot pedal in the following order: plug foot switch into machine outlet; plug female end of cord into foot pedal; plug male end of cord into electrical source	Automatic start up Electrical shock	Follow the steps to prevent both automatic start up and electrical shock
Do not daisy chain cords together. Only use single extension cord plugged directly into the unit. Ensure cord is free from fraying and ground plug intact.	Electrical shock	Ensure that a grounded power source is available near the job site.
Plug in the equipment's cord away from the wet environment of the job site.	Electric shock	Ensure that a grounded power source is available near the job site.
Follow the progression of steps to operate equipment: 1. Move the switch to the 'on' position. Stepping on the foot pedal will start the machine. The drum wheel will turn clockwise when the operator is facing the machine. 2. Feed the cable into the sewer slowly. Use both hands on the cable between the machine and drain.	Strains	Following the steps using proper stance, body distance, and equipment use prevents strains to the body and damage to the equipment

<p>3. Keep the cable rotating at all times. When the cable reaches the blockage, it will slow down or temporarily stop. Pull the cable back to prevent jams.</p> <p>4. If the cable gets hung up on roots or clogged materials, stop the machine.</p> <p>5. Use the toggle switch to go in reverse for several feet and stop the machine.</p> <p>6. Use the toggle switch to move forward again. Push and pull at quick succession until clog is clear.</p> <p>7. Continue moving forward in this manner until all clogs are eliminated.</p>	<p>Strains</p>	<p>Following the steps using proper stance, body distance, and equipment use prevents strains to the body and damage to the equipment</p>
<p>Once job is completed, reverse the cable with the toggle switch until it is back onto the frame, Continue to hold onto the cable.</p>	<p>Struck by cable</p>	<p>Holding onto cable prevents loss of control and struck-by injuries</p>
<p>Ensure that the trigger switch is 'off', then unplug equipment in the following order: Unplug the cord from the electrical source; unplug the female cord from the foot pedal; unplug the foot pedal from the machine outlet.</p>	<p>Electric shock</p>	<p>Follow the steps in order to prevent electric shock.</p>
<p>Inspect the equipment and clean with cloth if necessary</p>	<p>Preventative maintenance</p>	<p>If the equipment is in disrepair, place a work order for it at this time.</p>