



**BULLFROG
INDUSTRIES**

**CRAP SHOOTER
SEWER JETTER
USER MANUAL**

Warnings

Read the safety and operating instructions before operating any Bullfrog Industries equipment. Drain and sewer cleaning can be dangerous if proper procedures are not followed and appropriate safety gear is not utilized.

- Prior to operating a sewer jetter, always wear personal protective equipment PPE such as safety glasses or face shield and clothing such as gloves, rubber boots, and hearing protection.
- Never operate a sewer jetter when fatigued or under the influence of alcohol or drugs.
- Ensure proper supervision of children if any are present while operating a sewer jetter.
- Familiarize yourself with the steps for stopping the sewer jetter quickly and how to bleed pressure safely.
- Only use sewer jetters and accessories for the intended purposes.
- Only use recommended accessories with the sewer jetter.
- Inspect cord before using. DO NOT use if cord is damaged.
- Inspect all equipment before using. DO NOT use if any equipment is damaged.
- Ensure jetter hose has been sufficiently inserted into pipe or drain (at least 6 feet) and that you have a firm grasp on the hose before activating the sewer jetter. If the jetter hose is removed from the drain or pipe while the jetter is being used, there is a risk of injury or damage.
- Always deactivate the sewer jetter before removing the jetter hose from the pipe. You may add a mark to the hose identifying the final 3 feet as a warning for you to disengage the sewer jetter before removing the remaining footage of hose.
- Avoid eye, ear, mouth, nose, and open flesh exposure to waste water, waste material, and chemicals during sewer jetting operations and during equipment cleaning to avoid risk of death or illness through transmission of potentially infectious bacteria.
- Always clean contaminated skin, equipment, and clothes appropriate for the type of contamination. Follow SDS instructions where appropriate.

For any questions or concerns, contact Bullfrog Industries.

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888-890-1555

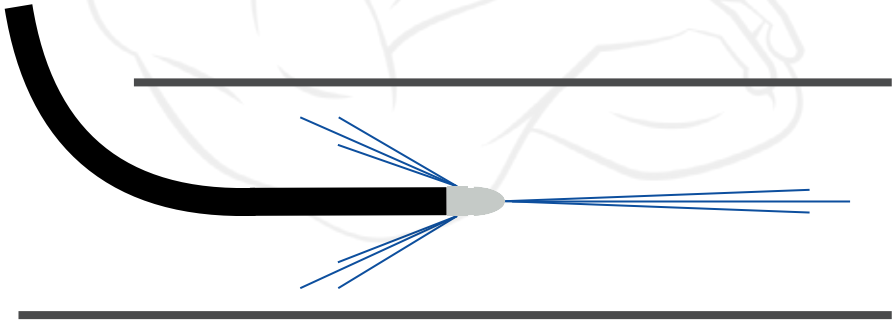
Sewer Jetting

Sewer jetters utilize high pressure water to aid in removing debris, residue, or blockages in drain and sewer pipes.

With the Crap Shooter mini jetter, an electrical motor and direct drive water pump are joined together to create pressurized water. The use of a high pressure jetting hose and various nozzles attached to the jetter will be utilized to clean and/or clear pipes or drains.

Some nozzles are designed to aid in propelling the hose through the pipe as clearing and cleaning takes place. When removing the hose from the pipe, rear facing jets of the nozzles will clean the pipe and any remaining residue to wash away.

Dependent on the situation, a pipe/drain may need to be cleaned multiple times to adequately clear any blockages and clean away material.



Crap Shooter HD & Accessories



- 1. HD Case
- 2. Power Switch
- 3. Pump/Motor
- 4. Pump Inlet
- 5. Extending Hose
- 6. Faucet Adapter

- 7. GFCI Cord
- 8. Pump Outlet
- 9. Jetter Hose
- 10. Nozzle Kit
- 11. Quick Connect Fittings

Crap Shooter HD2/HD3 & Accessories



- 1. HD Case
- 2. Pump/Motor
- 3. Pump Inlet
- 4. Extending Hose
- 5. Nozzle Kit
- 6. Faucet Adapter

- 7. GFCI Cord
- 8. Power Switch
- 9. Jetter Hose
- 10. Pump Inlet
- 11. Auto-Off Valve Kit
- 12. Quick Connect Fittings

Operating Instructions

The following operating instructions apply to the Crap Shooter HD, Crap Shooter HD 2, and Crap Shooter HD3 portable sewer jetters.

1. Ensure Crap Shooter power rocker switch is off, then connect GFCI Power Cord to an adequate three prong power outlet, DO NOT activate pump yet.
2. Connect the garden water hose to a water supply and connect to the Inlet of the Crap Shooter sewer jetter. Ensure water hose valve is closed and turn on water.
3. Connect high pressure jetting hose to the Crap Shooter using the supplied quick connect fitting.
4. Ensure the desired nozzle is secured to the end of the high pressure jetting hose (it's best to quickly clean the nozzle jets before installing onto the jetting hose before each use).
5. Insert high pressure jetting hose with nozzle into the pipe/drain at least 6 feet, then open water hose valve to allow water flow.
 - a. If using the Auto-Stop kit on the HD2 or HD3, ensure high pressure valve is opened.
6. Ensure water is flowing (can feel and hear the flow normally).
7. Activate the sewer jetter using the power rocker switch.
8. Feed hose into pipe/drain, constantly pulling back and pushing forward as you insert additional footage of jetting hose each time you insert the hose.
 - a. With the Auto-Stop kit, you can use the high pressure ball valve to start and stop the Crap Shooter unit.
9. When finished, begin removing hose from pipe/drain. With 3-6 feet of hose remaining in the pipe/drain, deactivate the sewer jetter using the power rocker switch.
 - a. Ensure the Auto-Stop valve is still opened to relive pressure within jetting hose.
10. Remove the remaining section of high pressure jetting hose, shut off the water supply as you fully remove the hose.
11. Clean the high pressure hose and use the provided nozzle cleaning tool to thoroughly clean the use nozzle/s.
12. Unplug the sewer jetter.
13. Try to drain as much water from hoses as possible before inserting into Crap Shooter cases.

Maintenance

Cold Weather: If the Crap Shooter sewer jetter is exposed to freezing temperatures, there is a risk to pump and hose damage. If it is unavoidable to have your sewer jetter in freezing temperatures for prolonged periods, utilize one of the preventative methods below.

1. You may winterize your pump similar to a home or RV using the standard supplied Pump Protect provided with each Crap Shooter sewer jetter. Simply screw the bottle into the Crap Shooter inlet port, squeezing 2-3 times or until water/solution begins dripping from the high pressure outlet port. The Pump Protect also provides the benefit of lubricating the pump seals and breaking down deposit build up within the pump.
2. If not using the Pump Protect, attach a short garden hose to the inlet port of the sewer jet and insert the other end of the hose into a 5 gallon bucket containing a 50/50 mixture of water & antifreeze. Plug in the sewer jetter and activate the pump for short 3-4 second bursts until the solution is flowing out of the high pressure port.
3. Use pressurized air (30PSI max) to clear out the pump and any hoses.

Pump Cavitation: Insufficient water supply or air entering the supply hose can cause pump cavitation (most recognizable as abnormal pump/motor noise and vibration) which can lead to pump damage if not corrected immediately. If this occurs, check the following.

1. Insufficient water supply (i.e. lacking water pressure from a home faucet or spigot, too small of water hose).
2. Filter screen for inlet hose adapter is dirty or blocked.
3. Seals are damaged or missing on inlet hose.

Hot Water: The Crap Shooter HD sewer jetters are compatible with water up to 120°F. If using supply water exceeding this temperature, pump damage or failure may occur.

Troubleshooting

Read the safety and operating instructions before operating any Bullfrog Industries equipment. Drain and sewer cleaning can be dangerous if proper procedures are not followed and appropriate safety gear is not utilized.

Problem	Possible Cause	Possible Solution
Not Starting, Abrupt Shutdown	<ol style="list-style-type: none"> 1. GFCI tripped on power cord 2. Poor connection to power outlet 	<ol style="list-style-type: none"> 1. Push Reset button on GFCI plug 2. Check power outlet
Poor or Fluctuating Water Pressure	<ol style="list-style-type: none"> 1. Water inlet screen blocked 2. Pump sucking air 3. Clogged nozzle 4. Obstructed supply hose 	<ol style="list-style-type: none"> 1. Remove and clean inlet screen 2. Check inlet hose connections/seals 3. Remove and clean nozzle jets 4. Check supply hose for kinks
Overheating	<ol style="list-style-type: none"> 1. Excessive continuous use 2. Obstructed vent shroud/case closed 	<ol style="list-style-type: none"> 1. Check GFCI and Reset if needed 2. Verify no objects are covering the shroud vent (black mesh ring)
High Pressure Hose Leaking	<ol style="list-style-type: none"> 1. Loose hose/nozzle connection 2. Worn or damaged o-ring 	<ol style="list-style-type: none"> 1. Ensure and tighten hose connections 2. Check o-ring and replace if needed 3. Replace thread tape each nozzle kit change
Noisy/Rough Motor Behavior	<ol style="list-style-type: none"> 1. Cavitation 	<ol style="list-style-type: none"> 1. Check water supply and inlet hose/fittings for obstructions 2. Ensure adequate water supply pressure

Warranty

LIMITED WARRANTY: For one year from the date of purchase to correct defects in materials or workmanship that existed when this tool was purchased. This warranty applies only to the original purchaser at retail and may not be transferred. To receive a warranty repair for your tool, you must present proof of purchase and return all original equipment packaged with the original product. Bullfrog Industries will repair any faulty workmanship, and either repair or replace any defective part, at our option. Bullfrog Industries will do so without any charge to you. Bullfrog Industries will complete the work in a reasonable time, but, in any case, within ninety (90) days or less.

THIS LIMITED WARRANTY DOES NOT COVER: This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defects resulting from misuse, abuse, neglect, alteration, accident, fire, flood, acts of God, modification or repairs. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

DISCLAIMER OF IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. Some states and provinces do not allow limitations on the duration of implied warranties of merchantability or fitness, so this limitation may not apply to you. This warranty gives you specific legal rights, and you also may have other rights that vary from state to state or province to province.

LIMITATION OF REMEDIES; EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN.

In no event shall Bullfrog Industries LLC be liable for (A) Any indirect, incidental, punitive or consequential damages arising from the sale or use of the products sold hereunder, or (B) Any amount in excess of the amount actually paid to Bullfrog Industries for the product sold hereunder for any liability arising from the sale of or use of the product sold hereunder. This limitation applies both during and after the terms of the warranty.

Register Your Crap Shooter HD

To ensure you get the most out of your 1 Year warranty, register your Crap Shooter HD using the serial # below.

www.flushafrog.com/product-registration



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