



# Operating Instructions

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain information for future reference.

## 1/2" Pipe Wolf

---

### DESCRIPTION

The Pipe Wolf is a unique cutting nozzle. The Pipe Wolf is highly proficient in extreme applications such as total obstructions or blockages cause by roots, silt, grease etc. Clean inserts are extremely important because they spin and propel the nozzle. By following these few simple steps you can make sure your Pipe Wolf stays efficient and operating properly.

This nozzle requires no lubrication or replacement of internal mechanical parts during the first year of operation, making this nozzle very user-friendly

### SPECIFICATIONS

<u>Part No.</u>	<u>Cleans Pipe Diam.</u>	<u>No. of Inserts</u>	<u>Hose Connection</u>	<u>Dimensions L x W</u>	<u>Weight</u>
1-0320-1840	4" - 6"	9	1/2 " NPT	4 1/2" x 2"	1.0 lbs.

**Pump Output Required:** 14 GPM, 2,000 – 4,000 PSI, Max.

**Propulsion System:** Advanced, Optimized 3D Hydro Mechanics™.

### GENERAL SAFETY INSTRUCTIONS

<b>WARNING!</b>
-----------------

1. For your own safety, read all of the instructions and precautions before operating tool.
2. The service staff must be trained in the proper operation of the tool.
3. Wear proper apparel. Do not wear loose clothing, rings, bracelets, or other jewelry that may get caught in moving parts of the tool.
4. Wear safety shoes with non-slip soles.



## GENERAL SAFETY INSTRUCTIONS (Continued)

5. Wear safety glasses complying with United States ANSI Z87.1. Everyday glasses are **NOT** safety glasses.
6. Be alert and think clearly. Never operate tools when tired, intoxicated or when taking medications that cause drowsiness.

## OPERATION

1. Connect the high pressure hose to the Pipe Wolf at the rear.

## MAINTENANCE

1. Periodically check the nozzle giving special attention to the inserts and insert seats. **It is extremely important that all inserts are free of any debris** because the inserts cause the nozzle to spin and propel forward. Following this precaution will ensure that the Pipe Wolf operates with the highest performance.
2. To check the front inserts the head and turbine need to come off the nozzle. To do this first unscrew the three bolts in the head and pull the head up and off.
3. Once the cutter head is off the nozzle, the screws which hold the turbine to the body should be exposed. Unscrew all the bolts and pull the turbine off the shaft.
4. After the turbine has been removed, the three jets in the front of the Pipe Wolf are now accessible.
5. Remove each insert carefully with a M6 allen wrench so not to strip them. Clean each insert and also the hole which the insert screws into. If necessary spray water from a faucet through the nozzle and double check each insert. Tighten each insert back in place with **Loctite® Blue Thread Locker**.
6. When assembling the Pipe Wolf use **Loctite® Blue Thread Locker** on each screw that holds the turbine to the shaft and the head to the turbine.
7. Repeat step 5 with an M6 socket when cleaning the inserts in the rear of the Pipe Wolf.



## **LIMITED WARRANTY**

### **USB SEWER EQUIPMENT CORPORATION ONE-YEAR LIMITED WARRANTY.**

USB Sewer Equipment Corporation Turbo Chain Cutters, models covered in this manual, are warranted by USB Sewer Equipment Corporation (USB SEC) to the original user against defects in materials or workmanship under normal use for one year after date of purchase. Any part which is determined to be defective in material or workmanship and returned to an authorized service location, as USB SEC designates, shipping costs prepaid, will be, as an exclusive remedy, repaired or replaced, at USB SEC's option. For limited warranty claim procedures, see "PROMPT DISPOSITION" below. This limited warranty gives purchaser specific legal rights which vary from jurisdiction to jurisdiction.

**LIMITATION OF LIABILITY.** To the extent allowable under applicable law, USB SEC's liability for consequential and incidental damages is expressly disclaimed. USB SEC's liability in all events is limited to and shall not exceed the purchase price paid.

**WARRANTY DISCLAIMER.** A diligent effort has been made to provide product information and illustrate the products in this literature accurately; however, such information and illustrations are for the sole purpose of identification and do not express or imply a warranty that the products are MERCHANTABLE or FIT FOR A PARTICULAR PURPOSE, or that the products will necessarily conform to the illustrations or descriptions. Except as provided below, no warranty or affirmation of fact, expressed or implied, other than as stated in the "LIMITED WARRANTY" above is made or authorized by USB SEC.

**PRODUCT SUITABILITY.** Many jurisdictions have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While attempts are made to assure that USB SEC products comply with such codes, USB SEC cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, review the product applications, and all applicable national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some jurisdictions do not allow a limitation on how long an implied warranty lasts, consequentially the above limitation may not apply to you; and (c) by law, during the period of this LIMITED WARRANTY, any implied warranties of implied merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

**PROMPT DISPOSITION.** USB SEC will make a good faith effort for prompt correction or other adjustment with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call



## **LIMITED WARRANTY (Continued)**

dealer from whom the product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to USB SEC at address below, giving dealer's name, address, date and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to the buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

### **USB Sewer Equipment Corporation**

1700 Enterprise Way, Suite 116

Marietta, GA 30067

Ph: 770-984-8880 Fax: 770-984-2802

Email: [info@USBSEC.com](mailto:info@USBSEC.com)

February 2009