

# THANK YOU from **DIG PIG PRODUCTS INC.**



CONGRATULATIONS on the purchase of your Dig Pig Nozzle. Now you can enjoy saving money and dig more efficiently.

## PLEASE READ IN FULL

This document was prepared to provide the basic information for the Operator to (run, use, manager, manoeuvre, control) the Silencer Hydrovac Nozzle. The operating recommendations in this manual will ensure the longevity and performance of your nozzle. Please **familiarize yourself, and all other potential operators, with the following information to ensure the maximum longevity and performance of the nozzle.**

### SAFETY WARNING

Operations with High Pressure Nozzles can be potentially very dangerous if caution is not exercised prior to and during use. Please read ALL the manual recommendations thoroughly.

- Always wear the proper PPE, (Personal Protective Equipment), when using our nozzles.
- Do Not exceed any flow rates or heat rates.
- Nozzles are recommended for use with high-pressure spray wands with automatic shut offs.
- Always point this nozzle at the ground during start up and during operation. Using this product for any other application could cause severe damage to the nozzle.
- High-pressure wand triggers, smart wands and automatic shut offs are recommended while using this product.
- Always use proper ground procedures while performing hydro-excavation.
- The plastic cover over your nozzle is designed for safety, safety for utilities being exposed, your safety and the safety and longevity of the nozzle.
- Always follow proper digging procedures from your company, contractor, utility owner and/or landowner.
- The wand and nozzle should never remain motionless during excavation.
- Never aim the nozzle directly at any underground utility.
- Refer to industry best practices and your company, contractor, utility owner and/or landowners recommended maximum pressure and maximum heat guidelines and procedures.
- We recommend a maximum of 1500 psi and not hot water heater, (boiler) temp with a minimum distance of 2 feet from any utility. (Refer to industry best practices and your company, contractor, utility owner and/or landowners safe digging procedures.)
- Always use proper washing tools for cleaning off all utilities, do not blast it with the nozzle.
- Make sure pump is shut off and hose is disconnected prior to performing maintenance or replacement of the nozzle.
- Do not run any chemicals through this nozzle This nozzle was only designed for water usage.
- Follow all applicable national and state/province and local safety regulations.
- Always follow your company, contractor, utility owner and/or landowner safe digging practices and laws.

**WARNING: DO NOT remove the ½" female ORB and attempt to thread a ¾" wand (lance) into the nozzle body! THE THREAD TYPE IS NOT NPT (these nozzles only require ½" NPT to hook up lance).**

### INSTALL AND NOZZLE OPERATION

Before connecting the Silencer, flush the hose and remove any debris. Use Teflon Tape on the threads. Check to ensure the filter coin is clean and clear of any debris. Make sure ORB fitting is tight and ready for operation. Point nozzle downward to the ground. Start-up your water pump.

### STORAGE

Shut down pump. Disconnect lance/nozzle from hose. We recommend cleaning the filter coin daily and draining all water from the nozzle.

NOZZLE SIZE	FLOW RATE CHART (GPM)						
	1000 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	3500 PSI	4000 PSI
4.0	2.0	2.5	2.8	3.2	3.5	3.7	4.0
6.0	3.0	3.7	4.2	4.7	5.2	5.6	6.0
8.0	4.0	4.9	5.7	6.3	6.9	7.5	8.0
9.0	4.5	5.5	6.4	7.1	7.8	8.4	9.0
10.0	5.0	6.1	7.1	7.9	8.7	9.4	10.0
12.0	6.0	7.3	8.5	9.5	10.4	11.2	12.0

### TROUBLE SHOOTING

My nozzle stream is failing to rotate. Water is going around the nozzle and not through it.	Check your pressure. Pressure for the nozzle should be set at a minimum of 1,000 PSI (3,200 PSI max).
	Check inlet screen for debris. Clean and/or replace.
	Nozzle may fail to rotate based on normal wear and tear; it may be time to order a rebuild kit.
No flow, low flow, or not enough impingement	Increase your pump pressure. Pump must remain between 1,000 PSI and 3,200 PSI (max). Check for desired result
	Change nozzle to a larger size (higher flow rate). Check for desired result.

### SPECIFICATIONS

Minimum Inlet Pressure	1,000 psi	Housing Material	Stainless Steel
Maximum Inlet Pressure	4,200 psi (2500 psi recommended)	Maximum Water Temperature	205°F (96°C)

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Nozzle Tip and Seat Material

Tungsten Carbide

Filter Coin

Advanced Filtration (stainless steel screen and ORB #12 fitting 1/2" FNPT

Protective Cover

Advanced low wear nylon machined cover

Weight

1.6 lbs / 0.726 kgs

Inlet Connection Thread

1/2" FNPT ORB

Color:

HiVis Safety Yellow/Green



**REBUILD KIT PARTS**  
Rotor, Seat, 4 O-rings,  
Filter Coin



**FILTER COINS**  
Pack of 5 replaceable filter coins.

**REPLACEABLE COVER**  
Nylon Cover,  
Locking Spiral Ring



NOZZLE SIZE	PART NUMBER	REPAIR KIT PART NO.	NOZZLE SIZE	PART NUMBER	REPAIR KIT PART NO.
4.0	DPNS-1040	DPNSR-1040	9.0	DPNS-1090	DPNSR-1090
6.0	DPNS-1060	DPNSR-1060	10.0	DPNS-1100	DPNSR-1100
8.0	DPNS-1080	DPNSR-1080	12.0	DPNS-1120	DPNSR-1120



**REFRESH KIT INSTRUCTIONS**

Cleaning and /or Rebuild Instructions  
Please see videos online at [www.digpig.ca](http://www.digpig.ca)

**WARRANTY - We've got you covered!**

If you have experienced any issues with your Dig Pig Product, please contact the distributor you purchased the nozzle from. We take every issue seriously. You will be required to bring the product back so it can be sent to us for full lab testing to determine the cause of the issue. If Dig Pig determines it is a faulty product we will repair or replace your product and send to you.

**Dig Pig Nozzles** are warranted to be free from defects in material and workmanship under normal use. Normal use means not use in excess of the recommended pressures, temperature and chemicals or handling fluids not compatible with component materials. This warranty shall not apply to any accessory which has been repaired or altered to affect the performance or reliability of the product.

Warranty does not apply to, a) freight damage, b) freezing damage, c) damage caused by parts or accessories not obtained or approved by Dig Pig Products, d) damage from misuse, e) damage due to poor water quality, f) normal wear of moving parts, components affected by moving parts, or surfaces that are meant to wear.

The period of warranty shall be 90 days from the date the product is shipped from our facility or from the date it is purchased from an approved Dig Pig Products dealer. Liability of manufacturer under the foregoing warranty is limited to repair or replacement of that product at the discretion of Dig Pig Products, which, according to our investigation was deemed defective at time of shipment. This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or all other obligations or liabilities of the part of Dig Pig Products. You must obtain a merchandise return number, for repair or replacement, prior to returning product.