



Silencer

EN/FR

1. Overview / Aperçu

This manual contains critical operating instructions for the Silencer Turbo Nozzle, designed to ensure peak performance and extended service life. Unlike standard hydro excavation nozzles, this model features advanced engineering that requires proper handling and understanding. All operators are strongly encouraged to read this manual thoroughly before use. For additional support or questions, please visit www.DigPig.ca, contact your authorized distributor, or email info@digpig.ca.

Ce manuel contient des instructions essentielles pour l'utilisation de la buse Silencer Turbo, conçue afin d'assurer des performances optimales et une durée de vie prolongée. Contrairement aux buses d'hydro-excavation standard, ce modèle bénéficie d'une conception avancée nécessitant une manipulation et une compréhension appropriées. Il est fortement recommandé à tous les opérateurs de lire attentivement ce manuel avant utilisation. Pour obtenir de l'aide supplémentaire ou poser des questions, veuillez visiter www.digpig.ca, contacter votre distributeur autorisé, ou envoyer un courriel à info@digpig.ca.

2. Safety Warning / Avertissement de sécurité

Improper use of this equipment can pose serious safety hazards. Before operating, carefully read and follow the safety instructions below to prevent injury and ensure optimal performance:

- Always wear appropriate Personal Protective Equipment (PPE) during operation.
- Never exceed the recommended flow rates, temperatures, or pressure limits.
- We recommend a working pressure of 1500 psi and temperatures not exceeding those of a hot water heater, (boiler), with a minimum distance of 2 feet from any utility. (Refer to industry best practices and the safe digging procedures recommended by your company, contractor, utility owner, and/or landowner.
- Follow all safe digging protocols as required by your company, contractor, utility owner, or landowner.
- Always follow proper grounding procedures when performing hydro excavation for exposing utilities, your safety, as well as the safety and durability of the nozzle, are essential.
- Do not allow the wand or nozzle to remain stationary during excavation.
- Use of high-pressure triggers, smart wands, and automatic shut-offs is strongly recommended.
- Always point the nozzle downward when starting or operating the equipment.
- Always refer to industry best practices and your organization's recommended safety procedures.
- Ensure the pump is off and the hose is disconnected before performing maintenance or replacing the nozzle.
- Do not use chemicals in this nozzle—it is designed for clean filtered water use only.
- Comply with all local, provincial/state, and national safety regulations relevant to hydro excavation.

Warning: Keep the nozzle pointed at the ground during startup and operation to avoid injury. Keep it away from yourself and others. If you experience water injection, seek emergency medical assistance immediately.

Une utilisation incorrecte de cet équipement peut présenter de graves risques pour la sécurité. Avant de l'utiliser, lisez attentivement et suivez les consignes de sécurité ci-dessous afin de prévenir les blessures et d'assurer des performances optimales:

- Portez toujours l'Équipement de protection individuelle (EPI) approprié pendant l'utilisation.
- Ne dépassez jamais les débits, les températures ou les limites de pression recommandées.
- Nous recommandons une pression de travail de 1500 psi et des températures ne dépassant pas celles d'un chauffe-eau (chaudière), avec une distance minimale de 2 pieds (0,6 m) de toute installation souterraine. Veuillez vous référer aux meilleures pratiques de l'industrie ainsi qu'aux procédures de creusage sécuritaire recommandées par votre entreprise, votre entrepreneur, le propriétaire du service public et/ou le propriétaire du terrain.
- Respectez tous les protocoles de creusage sécuritaire exigés par votre entreprise, votre entrepreneur, le propriétaire du service public ou le propriétaire du terrain.
- Suivez toujours les procédures de mise à la terre appropriées lors des travaux d'hydro-excavation pour exposer des services publics.
- Votre sécurité, ainsi que la sécurité et la durabilité de la buse, sont essentielles.
- Ne laissez pas la lance ou la buse immobile pendant l'excavation.
- L'utilisation de gâchettes haute pression, de lances intelligentes et de dispositifs d'arrêt automatique est fortement recommandée.
- Pointez toujours la buse vers le bas lors du démarrage ou de l'utilisation de l'équipement.
- Référez-vous toujours aux meilleures pratiques de l'industrie et aux procédures de sécurité recommandées par votre organisation.
- Assurez-vous que la pompe est arrêtée et que le tuyau est déconnecté avant d'effectuer l'entretien ou de remplacer la buse.
- N'utilisez pas de produits chimiques avec cette buse — elle est conçue uniquement pour une utilisation avec de l'eau propre et filtrée.
- Conformez-vous à toutes les réglementations locales, provinciales/étatiques et nationales en matière de sécurité applicables à l'hydro-excavation.

Avertissement : Gardez la buse dirigée vers le sol lors du démarrage et de l'utilisation afin d'éviter toute blessure. Tenez-la éloignée de vous et des autres. En cas d'injection d'eau sous la peau, demandez immédiatement une assistance médicale d'urgence.

3. Flow Rates / Débits

Nozzle Size	Nozzle Part #	Refresh Kit part #	Flow Rate Chart - GPM															
			1000PSI	1200 PSI	1300 PSI	1500 PSI	1800 PSI	2000 PSI	2100 PSI	2200 PSI	2300 PSI	2400 PSI	2500 PSI	3000 PSI	3200 PSI	3500 PSI	4000 PSI	
4.0	190-646	129-645	2.0	2.19	2.28	2.45	2.68	2.83	2.90	2.97	3.03	3.10	3.16	3.46	3.58	3.74	4.00	
5.0	111-264	163-750	2.50	2.80	2.92	3.06	3.31	3.54	3.65	3.73	3.81	3.87	3.95	4.33	4.51	4.68	5.00	
6.0	120-085	107-581	3.0	3.29	3.42	3.67	4.02	4.24	4.35	4.45	4.55	4.65	4.74	5.20	5.37	5.61	6.00	
8.0	163-850	162-425	4.0	4.38	4.56	4.56	5.37	5.66	5.37	5.93	6.07	6.20	6.32	6.93	7.16	7.48	8.00	
9.0	195-077	184-280	4.5	4.93	5.13	5.13	6.04	6.36	6.04	6.67	6.82	6.97	7.12	7.79	8.05	8.42	9.00	
10.0	133-191	189-320	5.0	5.48	5.70	5.70	6.71	7.07	6.71	7.42	7.58	7.75	7.91	8.66	8.94	9.35	10.00	
12.0	180-502	188-375	6.0	6.57	8.55	6.84	8.05	8.49	8.05	8.90	9.10	9.30	9.49	10.39	10.73	11.22	12.00	

Taille De Buse	Pièce De Buse #	Trousse de remise à neuf	Tableau des débits – GPM														
			1000PSI	1200 PSI	1300 PSI	1500 PSI	1800 PSI	2000 PSI	2100 PSI	2200 PSI	2300 PSI	2400 PSI	2500 PSI	3000 PSI	3200 PSI	3500 PSI	4000 PSI
4.0	190-646	129-645	2.0	2.19	2.28	2.45	2.68	2.83	2.90	2.97	3.03	3.10	3.16	3.46	3.58	3.74	4.00
5.0	111-264	163-750	2.50	2.80	2.92	3.06	3.31	3.54	3.65	3.73	3.81	3.87	3.95	4.33	4.51	4.68	5.00
6.0	120-085	107-581	3.0	3.29	3.42	3.67	4.02	4.24	4.35	4.45	4.55	4.65	4.74	5.20	5.37	5.61	6.00
8.0	163-850	162-425	4.0	4.38	4.56	4.56	5.37	5.66	5.37	5.93	6.07	6.20	6.32	6.93	7.16	7.48	8.00
9.0	195-077	184-280	4.5	4.93	5.13	5.13	6.04	6.36	6.04	6.67	6.82	6.97	7.12	7.79	8.05	8.42	9.00
10.0	133-191	189-320	5.0	5.48	5.70	5.70	6.71	7.07	6.71	7.42	7.58	7.75	7.91	8.66	8.94	9.35	10.00
12.0	180-502	188-375	6.0	6.57	8.55	6.84	8.05	8.49	8.05	8.90	9.10	9.30	9.49	10.39	10.73	11.22	12.00

4. Specifications

Minimum Inlet Pressure	1,000 PSI	Housing and Inlet Material	Stainless Steel
Maximum Inlet Pressure	3,200 PSI	Nozzle Tip and Seat Material	Tungsten Carbide
Recommended Inlet Pressure	2500 PSI	Filter Coin	Stainless Steel Filter Coin Screen
Maximum Water Temperature	205 °F 96 °C	Protective Cover	Advanced Low Wear Nylon
Inlet Connection Thread	1/2" FNPT #12 ORB Fitting	Color	Hi-vis Safety Yellow/Green

5. Installation And Best Practices

- Prior to connecting the Silencer Nozzle, flush the hose to eliminate any debris and apply Teflon tape to the lance threads. Ensure nozzle screw connections are securely tightened and prepared for operation. Direct the nozzle downward toward the ground, then activate the water pump.
- Misuse or using this product outside of its intended application may cause equipment failure or personal injury.
 - Always use appropriate washing tools for cleaning exposed utilities, do not blast directly with the nozzle.
 - Do not use chemicals in this nozzle, it is designed for clean filtered water use only.
 - Never aim the nozzle directly at underground utilities.

6. Trouble Shooting

ISSUE	SOLUTIONS
My nozzle stream is failing to rotate or stopping after operation.	Check your pressure. Pressure for the nozzle should be set at a minimum of 1,000 PSI (3,200 PSI max).
	Check Filter Coin Screen for debris, clean if needed.
	Ensure rotor is free of clogs.
	Inspect Inlet O-rings for damage.
No flow, low flow	Ensure carbide tip and seat are undamaged.
	Ensure water supply is optimal.
	Inspect your Silencer filter coin for debris
	Change nozzle to a larger size (higher flow rate). Check for desired result.
Spray back from nozzle.	Low Pressures and keep nozzle closer to the ground while digging.
	We recommend upgrading to a Silencer HD cover for better protection or the DPP Armor Guard for the best protection.
Scratching , Gouging in the internal inlet	Ensure nozzle is cleaned and free of internal debris.
	Ensure filter coin is not damaged.
	Ensure carbide tip/seat and rotor are fully intact without damage.



7. Refresh Kit Instructions

- Using a adjustable wrench on the inlet and firm hand grip or filter strap on plastic yellow cover, turn the inlet counterclockwise until it releases from the housing/cover.
- Remove the freed Rotor, and replace with new rotor.
- Remove the Seat from the housing/cover using a SEAT/COVER Tool by DPP (Recommended). Press into the tip softly until the seat pops out.
- To insert a new SEAT, using the SEAT/COVER Tool by DPP, place seat on top of pointed portion of tool with rounded pocket of seat facing red potion of tool. then line up the 3 guides of tool and guides in housing threads then softly push up the new one into the tip of the housing until you hear/feel a soft click. Once seat is in place then seat should look seamlessly in place.
- With a long 1/2 socket and a adjustable wench, unscrew internal Inlet orifice Bolt and replace with new orifice bolt and tightened firmly.
- With the inlet opened upright, insert the Rotor, roller side down, and push the cover/housing down firmly until you hear/feel a click/snap, once in place screw clockwise and ensure its tight with a wrench and a firm hand grip or filter strap wrench on the yellow plastic cover portion.
- Ensure filter coin is installed, and ORB fitting is firmly tightened and reattached to lance.
- Return to digging with your newly upgraded Silencer!

8. Warranty

If you encounter any issues with your Dig Pig Silencer nozzle, please visit our website and follow the instructions under the warranty tab. If the product is determined to be faulty, Dig Pig will repair or replace it. Dig Pig nozzles are covered against defects in material and workmanship under normal use, defined as use within recommended pressures, temperatures, and municipal water sources. The warranty does not cover:

- A) Freight damage
- B) Freezing damage
- C) Damage from unauthorized parts or accessories
- D) Improper use
- E) Poor water quality
- F) Normal wear and tear

The warranty lasts 90 days from the ship date or purchase from an authorized dealer. Manufacturer liability is limited to repair or replacement of defective products. To file a warranty claim please visit www.digpig.ca.



ACCESSORIES / ACCESSOIRES

	Name / Nom	PN	Description / Description
	Cover Seat Carbide Tool	145-613	Three-way all-in-one, tool for the Silencer Nozzle. Remove and install Covers and Seats. / Outil trois-en-un pour la buse Silencer. Permet de retirer et d'installer les couvercles et les sièges.
	Silencer O-Ring Kit	191-118	All O-Rings for the silencer nozzle / Tous les joints toriques pour la buse Silencer
	Filter coin	127-636	Silencer advanced filter coin system to replace lost or broken coin filters / Système avancé de tamis (coin) du filtre Silencer pour remplacer les tamis perdus ou endommagés
	Silencer Spiral Ring	190-320	Made of stainless steel and used to hold the body in the cover of the silencer / Fabriqué en acier inoxydable et utilisé pour maintenir le corps dans le couvercle du Silencer.
	Replacement Cover	114-789	Standard replacement cover that comes with the silencer / Couvercle de remplacement standard fourni avec le Silencer.
	HD Cover	117-967	Engineered with 1/4" thicker nose to extend nozzle life. wide bottom provides splash back protection. / Conçu avec un nez plus épais de 1/4" pour prolonger la durée de vie de la buse. La base large offre une protection contre les éclaboussures de retour.
	ORB 1/4" FNPT	180-746	Replacement ORB fitting for silencer nozzle / Raccord ORB de remplacement
	ORB 3/8" FNPT	189-446	Replacement ORB fitting for silencer nozzle / Raccord ORB de remplacement
	ORB 1/2" FNPT	173-915	Replacement ORB fitting for silencer nozzle / Raccord ORB de remplacement
	Seat	155-051	For replacement of cracked or damaged seats / Pour le remplacement des sièges fissurés ou endommagés.
	Armor Guard	155-051	Provides Magnetic splash-back protection for safer, cleaner hydrovac digging. / Offre une protection magnétique contre les éclaboussures de retour pour une excavation hydrovac plus sécuritaire et plus propre.

