YOUR REPUTATION DESERVES THE BEST!

At StoneAge, we know you want to take on any sewer and drain cleaning job with confidence. To do that, you need nozzles that work. The problem is that clearing some obstructions is harder than it should be, and that can be frustrating. Your reputation deserves the best nozzles. We understand how maddening it can be when jobs don’t go as planned, which is why we created Warthog sewer nozzles.

STOP WASTING TIME AND MONEY. Get the job done quickly and with confidence. Use the chart on page 9 to find the right Warthog tool in three easy steps.

WHAT STARTED OUT AS TWO GUYS IN A GARAGE...

StoneAge was launched in 1979 when co-founders John Wolgamott and Jerry Zink developed a new self-rotary waterjet nozzle in Jerry’s garage. Originally intended for the mining industry “to cut holes in rock,” the nozzles revolutionized the way tubes and pipes are cleaned. The founders’ passion for research and development bred a culture of product innovation where the commitment to designing new tools and equipment has improved the way the waterblasting industry works for over 40 years. We are proud to be an employee-owned company focused on innovation and superior customer service.

OUR DEALERS ARE YOUR PARTNERS

All Authorized Warthog Dealers are skilled professionals who understand your business. When it comes to the service and support you need to get the job done, they’ve got your back.

Our Dealers are trained and knowledgeable about Warthog products and can advise you on their best use and optimal maintenance for performance and durability.

VISIT WWW.SEWERNZOZZLES.COM/DEALERS FOR A LIST OF AUTHORIZED DEALERS IN YOUR AREA
WE’VE GOT WHAT YOU NEED TO STAY INFORMED

VISIT OUR WEBSITE OR DOWNLOAD OUR MOBILE APP

- Directory of authorized dealers and service center locations
- Product manuals and user instructions
- Complete library of instructional videos

www.sewernozzles.com

CUSTOMER SERVICE

WARTHOG® SEWER NOZZLES ARE SOLD EXCLUSIVELY THROUGH OUR NETWORK OF AUTHORIZED DEALERS

Good service means personal service. That’s why you can only get Warthog products from an Authorized Warthog Dealer. Our Dealers provide you with competent advice, professional service and total customer care in all respects.

TECHNICAL SUPPORT

For Technical Support, please contact your local Authorized Dealer. To find an Authorized Dealer near you, please visit www.sewernozzles.com/dealers.

You can also contact StoneAge directly for technical support questions: +1 (970) 259-2869

MANUALS

Operator’s manuals and repair videos for all equipment are available online. They illustrate tools, identify parts, and detail maintenance and overhaul procedures.

REPAIRS

Check with your nearest Authorized Dealer for questions and inquiries regarding repair. Visit www.sewernozzles.com/dealers for an Authorized Repair Center near you.

Repairs are also available through StoneAge tools. Visit: www.sewernozzles.com/service to request a Return Merchandise Authorization (RMA) number for return of any Warthog parts.

VISIT WWW.SEWERNOZZLES.COM/DEALERS FOR A LIST OF AUTHORIZED DEALERS IN YOUR AREA

USE OUR JETTING APP

Use our free calculators to evaluate your pressure, flow and jetting so you can dial in the best working configuration for your job

jetting.stoneagetools.com

CONNECT ON SOCIAL MEDIA

We’ve created social media channels just for you. Join us on the platform of your liking for the latest products, industry news, tips and tricks and much more! Tag us to be featured: #WarthogNozzles
SWITCHER™
PULLING AND DESCALING WITHOUT LEAVING THE PIPE

- SAVE MONEY & TIME WITH LESS WATER AND HALF THE RUNS
- FULL POWER PULLING AND FULL POWER DESCALING IN ONE NOZZLE
- FOR CLEANING SEWER LINES FROM 6-36"

MODE 1: Full power to pulling jets for climbing, flushing or penetrating
Cycle the pump to switch between modes and change jetting on the fly while the tool is in the pipe

MODE 2: Full power to descaling jets for cleaning

NEW WARTHOG MODELS
We are excited to introduce two new Warthog Magnum nozzles built to combat two of the biggest problems when it comes to sewer cleaning: removing roots and blowing toilets.

NEW FOR 2020
CONTROL CLEAN™
BLOWN TOILET PREVENTION

Until now, hydro-jetting sewer lines without “blowing a toilet” has required the use of flows and pressures so low they don’t clean very well. The new WGR Magnum Control Clean is the only nozzle that allows full-power cleaning without blowing toilets. This proprietary technology maximizes the flow without the “blow.”

- Full power cleaning without blowing toilets*
- Unique dual-mode operation (page 6)
- Patented Magnum technology

NEW FOR 2020
ROOT DESTROYER

Roots in the line collect grease and debris and cause blockages.

The new WGR Magnum Root Destroyer nozzle has a unique multi-jet configuration designed to remove roots quickly and efficiently, saving you time and money.

"The 3 extra jets make a huge difference. This thing was EATING the roots!"
JC Spalding, 502 Equipment

- Clears roots faster, saving time, water and money
- Eliminate the use of mechanical tools that can damage the pipe
- The only controlled rotation nozzle optimized to destroy roots

These new nozzles are exciting additions to our premier controlled rotation nozzle line that will help you remove obstructions faster, clean better, and keep your customers happy.

For me, it’s the versatility. It has the ability to cut roots in cleaning mode without blowing up the houses. It’s also very important that it climbs hills very effectively – which it does.

It’s revolutionary. There is no other product in the market today that will switch like that.

Jason Demartini – Vallejo Sanitation

*Not all pipes and sewer cleaning conditions are the same. To learn how to optimize your new WGR Magnum Control Clean nozzle, contact your local dealer.
WHY CONTROLLED ROTATION?
Only rotating nozzles clean the whole pipe – fixed jets do not hit the whole pipe surface leaving “stripes.” A nozzle spinning at high speed creates splash but doesn’t clean much. Warthog nozzles use a fluid braking system to slow nozzle rotation so that the jets have time to penetrate and break up deposits.

NOZZLE OPTIONS

**MAGNUM:**
- 1600 hour extended service life
- Handles recycled water
- Patented switcher technology
- Use one nozzle for pulling or descaling

**CLASSIC:**
- Full range of sizes for pipes from 2-36"
- Head options for a wide range of flow
- Dependable industry workhorse since 1990

TOOL CONFIGURATION
Warthog sewer nozzles come in standard, descaling, and pulling configurations.
Standard nozzles utilize controlled rotation technology and a balanced jetting configuration to deliver superior results in nearly all applications. We also offer nozzles that tune descaling or pulling performance for a variety of special conditions.

See the illustration below for the relationship between jet angle and performance characteristics.

WHICH TOOL IS RIGHT FOR YOU?

**1. PIPE SIZE**
**2. EQUIPMENT**
**3. APPLICATION**

<table>
<thead>
<tr>
<th>Pipe Inner Diameter</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GPM</td>
<td>LPM</td>
</tr>
<tr>
<td>8-36&quot; (203-914mm)</td>
<td>MAGNUM</td>
<td>50-120</td>
</tr>
<tr>
<td></td>
<td>CLASSIC</td>
<td>50-120</td>
</tr>
<tr>
<td>6-18&quot; (152-457mm)</td>
<td>MAGNUM</td>
<td>14-60</td>
</tr>
<tr>
<td></td>
<td>CLASSIC</td>
<td>10-50</td>
</tr>
<tr>
<td>4-8&quot; (102-203mm)</td>
<td>MAGNUM</td>
<td>9-21</td>
</tr>
<tr>
<td></td>
<td>CLASSIC</td>
<td>5-21</td>
</tr>
<tr>
<td>3-6&quot; (76-152mm)</td>
<td>MAGNUM</td>
<td>3-8</td>
</tr>
<tr>
<td></td>
<td>CLASSIC</td>
<td>3-8</td>
</tr>
</tbody>
</table>

NOZZLE TERMINOLOGY

**Standard**
Nozzles with a balanced jetting configuration that deliver ideal results in most conditions

**Descaling**
Nozzles with jet angles that deliver greater impact to the side of the pipe in order to remove heavy calcium deposits, scaling and sidewall build-up

**Pulling**
Nozzles with jet angles that create additional thrust for long runs, climbs, or flushing

**Switcher**
A Warthog Magnum with patented technology enabling the operator to send full pump flow to either a set of pulling jets OR a set of descaling jets while the tool is in the pipe

**Blast Prevention**
A new Warthog Magnum nozzle using patented Blast Prevention technology to allow full-power cleaning without blowing toilets or pulling traps

**Root Destroyer**
A new Warthog Magnum nozzle combining controlled rotation with a unique 8 jet cutting configuration optimized for removing roots
WGR MAGNUM

**PIPE SIZE:** 8-36” (203-914 MM)

**INLET:** 1” AND 1-1/4” NPT OR BSPP

- Extended life, reduced downtime
- Durable carbide nozzles
- Customizable rotation speed

Choose the WGR configuration below that meets the needs of your job – whether you need more **DESCALING** power, more **PULLING** power – or both!

The Switcher nozzles, including the **NEW WGR Control Clean** for preventing blown toilets, use patented technology to switch between descaling mode and pulling mode to deliver the most Cleaning Power **AND** Pulling Power. Learn more on pages 6-7

**WGR HEAD OPTIONS**

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCALER</td>
<td>1” NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>PULLER</td>
<td>1” NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>STANDARD DESCALER</td>
<td>1” NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>PULLER DESCALER</td>
<td>1” NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>ROOT DESTROYER</td>
<td>1” NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

**WGR SWITCHER HEAD OPTIONS**

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
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<tbody>
<tr>
<td>BLAST PREVENTION</td>
<td>1” NPT OR BSPP</td>
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<td>189-303</td>
<td>1200-5K</td>
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<tr>
<td>STANDARD DESCALER</td>
<td>1” NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

**WGR ACCESSORIES**

See centralizers for the WGR on page 18
WHR MAGNUM

PIPE SIZE: 6-18” (152-457 MM)
INLET: 1/2” AND 3/4” NPT OR BSPP

- Extended life, reduced downtime
- Durable carbide nozzles
- Customizable rotation speed

Choose the WHR configuration below that meets the needs of your job – whether you need more descaling power, more pulling power – or both!

DESCALING

The WHR Switcher nozzles use patented technology to switch between descaling mode and pulling mode to deliver the most Cleaning Power AND Pulling Power. Learn more on page 6

PULLING

WHR HEAD OPTIONS

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD</td>
<td>1/2” NPT OR BSPP</td>
<td>14-50</td>
<td>53-190</td>
<td>1200-8K</td>
</tr>
<tr>
<td></td>
<td>3/4” NPT OR BSPP</td>
<td>14-50</td>
<td>53-190</td>
<td>1200-8K</td>
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</table>

WHR SWITCHER HEAD OPTIONS

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWITCHER</td>
<td>1/2” NPT OR BSPP</td>
<td>14-45</td>
<td>53-170</td>
<td>1200-8K</td>
</tr>
<tr>
<td></td>
<td>3/4” NPT OR BSPP</td>
<td>20-45</td>
<td>76-170</td>
<td>1200-8K</td>
</tr>
<tr>
<td>SWITCHER HYBRID</td>
<td>3/4” NPT OR BSPP</td>
<td>45-60</td>
<td>170-227</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

WHR ACCESSORIES

See centralizers for the WHR on page 18

OPERATING WATER JETTING EQUIPMENT CAN BE POTENTIALLY HAZARDOUS.
SEE PAGE 22 FOR IMPORTANT SAFETY INFORMATION.
**WG & WD CLASSIC**

**PIPE SIZE:** 8-36" (203-914 MM)

**INLET:** 1" AND 1-1/4" NPT OR BSPP

- The industry's work-horse nozzle since 1990
- Controlled rotation allows jets to penetrate deeper through deposits to clean and clear pipes

**WG HEAD OPTIONS**

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD</td>
<td>1&quot; NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>DESCALER</td>
<td>1&quot; NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>PULLER</td>
<td>1&quot; NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
</tr>
<tr>
<td>PULLER DESCALER</td>
<td>1&quot; NPT OR BSPP</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
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</tbody>
</table>

**WD HEAD OPTIONS**

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD</td>
<td>1-1/4&quot; NPT OR BSPP</td>
<td>80-120</td>
<td>303-454</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

**WH CLASSIC**

**PIPE SIZE:** 6-18" (152-457 MM)

**INLET:** 1/2" AND 3/4" NPT OR BSPP

**WH HEAD OPTIONS**

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD</td>
<td>1/2&quot; NPT OR BSPP</td>
<td>10-20</td>
<td>38-76</td>
<td>1200-8K</td>
</tr>
<tr>
<td>DESCALER</td>
<td>3/4&quot; NPT OR BSPP</td>
<td>10-50</td>
<td>38-189</td>
<td>1200-8K</td>
</tr>
<tr>
<td>PULLER</td>
<td>1/2&quot; NPT OR BSPP</td>
<td>15-50</td>
<td>57-189</td>
<td>1200-8K</td>
</tr>
<tr>
<td>DESCALER</td>
<td>3/4&quot; NPT OR BSPP</td>
<td>10-14</td>
<td>38-53</td>
<td>1200-8K</td>
</tr>
<tr>
<td>PULLER</td>
<td>3/4&quot; NPT OR BSPP</td>
<td>10-50</td>
<td>38-189</td>
<td>1200-8K</td>
</tr>
</tbody>
</table>

**DESCALING / PULLING**

- **WG HD OPTIONS**
  - Standard
  - Puller
  - Descaler
- **WH HD OPTIONS**
  - Standard
  - Puller
  - Descaler
- **WD HD OPTIONS**
  - Standard
WS CLASSIC

**PIPE SIZE:** 4-8” LINES (102-203 MM)

**INLET:** 1/2” NPT OR BSPP

- Navigates sweeping bends
- Whip hose, jointed inlet and direct connection available

---

**WS-J JOINTED INLET OPTION**

The inlet hose rotates to the side, shortening the rigid length of the tool, which allows access to tighter areas.

---

### WS HEAD OPTIONS

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/2” NPT OR BSPP</td>
<td>9-21</td>
<td>34-79</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

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WT CLASSIC

**PIPE SIZE:** 3-6” LINES (76-152 MM)

**INLET:** 3/8” AND 1/2” NPT OR BSPP

- Carbide wear buttons extend nozzle life
- Navigates multiple bends

---

### WT HEAD OPTIONS

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/2” NPT OR BSPP</td>
<td>5-21</td>
<td>19-79</td>
<td>1200-5K</td>
</tr>
<tr>
<td></td>
<td>3/8” NPT OR BSPP</td>
<td>5-12</td>
<td>19-45</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

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WV CLASSIC

**PIPE SIZE:** 2-4” LINES (51-102 MM)

**INLET:** 1/4” NPT OR BSPP

- Excellent for navigating multiple elbows
- No high-pressure seals or bearings to maintain
- Easily replaceable heads

---

### WV HEAD OPTIONS

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/4” NPT OR BSPP</td>
<td>3-8</td>
<td>11-30</td>
<td>1200-5K</td>
</tr>
</tbody>
</table>

---
CENTRALIZERS
A centralizer helps to protect the tool as it passes through the pipe and balances jet standoff distance for more consistent cleaning. In cases where pipe size is more than 1.5 times the diameter of the tool, a centralizer is an important safety device, preventing the tool from turning around and thrusting backwards out of the pipe.

6-WHEEL ADJUSTABLE CENTRALIZER
WG 286-M-P16 – DESIGNED FOR STRAIGHT PIPES

8-WHEEL ADJUSTABLE CENTRALIZER
WG 288-M-P16 – DESIGNED FOR PIPES WITH BENDS

POLY-FIN CENTRALIZER
WG 070

SUPER CENTRALIZER
WS 084 – 4.5" DIAMETER For 5" (127 mm) minimum pipe ID
WH 085 – 5.5" DIAMETER For 6" (152 mm) minimum pipe ID
WG 085 – 7" DIAMETER For 8" (203 mm) minimum pipe ID

Contact your dealer today to learn more about our accessories so you can maximize the cleaning effectiveness of Warthog sewer nozzles for specific job requirements.

MANHOLE CLEANER
MANHOLE SIZE: 18-36" (457-914 MM)
INLET: 1" NPT OR BSPP

TURN YOUR WARTHOG PIPE CLEANING TOOL INTO AN EFFECTIVE MANHOLE CLEANER!

• Fast and efficient cleaning
• Safer than manual cleaning methods

The benefit of using this design is that the jets are directed at the manhole walls at all times — making it much more effective and safer than 3D style tools or manual methods.

This conversion simply requires exchanging the standard WG 040 head with the Manhole Cleaner head kit.

STONEAGE RECOMMENDS THE USE OF A COVER PLATE FOR INCREASED SAFETY.
SEE PAGE 22 FOR IMPORTANT SAFETY INFORMATION.

<table>
<thead>
<tr>
<th>HEAD OPTION</th>
<th>INLET</th>
<th>FLOW RANGE</th>
<th>PRESSURE</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1&quot; NPT OR BSPP</td>
<td>GPM</td>
<td>LPM</td>
<td>PSI</td>
</tr>
<tr>
<td>STANDARD</td>
<td>50-80</td>
<td>189-303</td>
<td>1200-5K</td>
<td>83-345</td>
</tr>
</tbody>
</table>
The proposed shipment date is an estimate. Seller will notify Buyer promptly commencing with the shipment or distribution of the product(s) from Seller’s warehouse. Order shortages or errors must be reported within fifteen (15) days after delivery. No product, except upon refusal by Buyer, may be returned without securing written approval from Seller.

2. Payment/Prices. Unless otherwise arranged, payment is due with the placement of the order. All cash sales are final. Prices invoiced by Seller are subject to change at any time. Prices invoiced by Seller shall be per ton (in effect at the time of shipment). Prices are subject to increase for any of the following: (1) any increases in the cost of labor or material, (2) any increases in taxes which are applicable and which are levied on the sale, delivery, or use of the product(s), and (3) the collection of which Seller is or may be responsible to the governmental authority, unless acceptable exemption certificates are provided by Buyer in accordance with applicable laws. All charges for transportation and delivery and all excise, order, occupation, use or similar taxes, duties, fines, fees, tariffs or surcharges applicable to the product(s) being shipped, whether now or hereafter imposed by any governmental authority, foreign or domestic.

3. Warranties. Seller MAKES NO WARRANTIES OR REPRESENTATIONS AS TO THE PERFORMANCE OF ANY PRODUCT EXCEPT AS SET FORTH IN THE STONEAGE LIMITED WARRANTY PROVIDED WITH THE PRODUCT.

4. Delivery. Seller is not obligated to make delivery by a specific date, but will always use its best efforts to make delivery within the time requested. The proposal showing sale and price is subject to change. Buyer will notify Buyer promptly of any material delay and will specify the revised delivery date as soon as practicable. Buyer understands that Seller is not responsible for any loss occasioned by any delays in transportation and delivery.

5. Modification. These Terms and Conditions are intended by Seller and Buyer to constitute a complete, final and exclusive expression of agreement relating to the subject matter hereof and cannot be supplemented or amended without Seller’s prior written approval.

6. Omission. Seller’s waiver of any breach or Buyer’s failure to enforce any of these Terms and Conditions at any time, shall not in any way affect, limit or waive Seller’s right to enforce and compel strict compliance with every term and condition hereof.

7. Severability. If any provision of these Terms and Conditions is held to be invalid or unenforceable, such invalidity or unenforceability shall not affect the validity or enforceability of the remainder of these Terms and Conditions.

8. Disputes. Seller and Buyer shall attempt in good faith to promptly resolve any dispute arising under these Terms and Conditions by negotiations between representatives who have authority to settle the controversy. If unsuccessful, Seller and Buyer shall further attempt in good faith to settle the dispute by nonbinding third-party mediation, with fees and expenses of such mediation apportioned equally to each side. Any dispute not so resolved by negotiation or mediation may then be submitted to a court of competent jurisdiction in accordance with the local and state law applicable to the controversy. These procedures are the exclusive procedures for the resolution of all such disputes between the Seller and Buyer.

9. Governing Law. All sales, agreements for sale, offers to sell, proposals for purchase, assignments and subcontracts, sales of goods, including, but not limited to, non-cancelable purchase orders accepted by Seller, shall be construed and governed by the laws of the State of Colorado and the rights and duties of all parties, and the construction of the terms and provisions hereof shall be governed by and construed according to the laws of such state.

10. Jurisdiction and Venue. Seller and Buyer agree that the state or federal courts located within the City and County of Denver, Colorado shall have sole and exclusive jurisdiction over any litigation concerning any dispute arising under these Terms and Conditions or not otherwise resolved pursuant to Section 9 as to any allegations of any Products or damages sustained as a result of such allegations. Seller and Buyer further agree that should any such litigation be commenced in such a dispute, it shall only be commenced in such courts. Seller and Buyer agree to the exclusive jurisdiction of such courts and neither will raise any objection to the jurisdiction and venue of such courts, including as a result of inconvenience.

11. Attorney’s Fees. If any litigation is commenced between Seller and Buyer, or their personal representatives, concerning any provision hereof, the party prevailing in the litigation shall be entitled, in addition to such other relief that is granted, to reasonable attorneys’ fees as and for their attorneys’ fees and costs in litigation or mediation.

STONEAGE TRADEMARK LIST View list of the Stoneage’s trademarks and service marks and learn how the trademarks should be used. Use of Stoneage trademarks may be prohibited, unless expressly authorized.

http://www.stoneagetools.com/trademark-list/

STONEAGE PATENT DATA View the list of the Stoneage’s current U.S. patent numbers and descriptions.

http://www.spatents.com

STONEAGE TERMS AND WARRANTY View Stoneage’s Terms and Conditions online.

http://www.stoneagetools.com/terms

http://www.stoneagetools.com/warranty

Warranties set forth herein extend only to End-Users, customers using, or that have previously acquired, a product manufactured by Stoneage (“Product”) for their own use and not for resale, either directly from Stoneage or through Dealer (collectively “Dealer”). No warranty of any kind or nature is made by Stoneage beyond the express terms and conditions set forth herein.

1. LIMITED WARRANTY PERIOD. Subject to the limitations and conditions hereinafter set forth, Stoneage warrants its Product to be free from defects in workmanship and material for a period of one (1) year from the date of purchase by Buyer. In the event of the limited warranty period not to be later than eighteen (18) months from the date of shipment of the product to the Dealer for the benefit of End-User (“Parties’”) Parts only. The Party’s Parts loose from the original Limited Warranty Period covering the original Product. Replacement parts are warranted for the remainder of the original Limited Warranty Period. This Limited Warranty does not cover any component part of any Product not manufactured by Stoneage. Any such component part is subject exclusively to the conditions set forth in this Limited Warranty.

2. LIMITED WARRANTY COVERAGE. Stoneage’s sole obligation under this Limited Warranty shall be, at Stoneage’s option and upon Stoneage’s request, to repair, replace or Issue a credit for any Product which is determined by Stoneage to be defective in material or workmanship. Stoneage reserves the right to examine the alleged defective Product to determine whether this Limited Warranty is applicable, and final determination of limited warranty coverage lies solely with Stoneage. No statement or recommendation made by a Stoneage representative, Dealer or agent to End-User shall constitute a warranty by Stoneage or a waiver or modification to any provisions hereof or create any liability for Stoneage.

3. WARRANTY SERVICE PROVIDERS. Service and repair of the Product is to be performed only by Stoneage authorized service representatives, including Dealers who are authorized repair centers, with Stoneage approved parts. Information about Stoneage authorized service representatives can be obtained by contacting Stoneage at www.stoneagetools.com or by calling 1-800-872-5744. Unauthorized service, repair or modification of the Product or use of parts not approved or supplied by Stoneage to repair, replace or service a Product, Stoneage reserves the right to change or modify the material and design of the Product at any time without notice to End-User; and Stoneage is not obligated to make the same improvements to any Product that is not repaired, replaced, or modified by an authorized service representative. Stoneage shall not be responsible for or liable for any claims, damages, or expenses arising in connection with this Limited Warranty, regardless of whether Stoneage is required to perform repairs, replace parts, or make changes.

It is understood that Stoneage’s liability, whether in contract, tort or otherwise, is limited to the repair or replacement of defective or nonconforming products, and that Stoneage’s liability is exclusive and not cumulative to any other warranty or legal rights of Buyer or End-User. In no event shall Stoneage be liable for, or have any liability to Buyer or Ent-User for...
Operations with waterjetting equipment can be potentially hazardous. Caution MUST be exercised prior to and during machine and water jet tool use.

Please read and follow all of these instructions, in addition to the guidelines in the WJTA Recommended Practices handbook, available online at www.wjta.org. Deviating from safety instructions and recommended practices can lead to severe injury and/or death.

- Do not exceed the maximum operating pressure specified for any component in a system.
- The immediate work area MUST be marked off to keep out untrained persons.
- Inspect the equipment for visible signs of deterioration, damage, and improper assembly. Do not operate if damaged, until repaired.
- Make sure all threaded connections are tight and free of leaks.
- Always de-energize the system before opening a door to service or replace any parts. Failure to do so can result in severe injury and/or death.

**Pre-Run Safety Check**

Install mechanical stops, stingers and backout preventers as appropriate when doing any tube, pipe or vessel cleaning. See the WJTA-IMCA’s Recommended Practices for the Use of High-Pressure Waterjetting Equipment and/or the Water Jetting Association’s WJA Code of Practice for additional safety information.

- Complete a job specific risk assessment and act on the resulting actions.
- Adhere to all site specific safety procedures.
- Ensure the waterjetting zone is properly barricaded and that warning signs are posted.
- Ensure the work place is free of unnecessary objects (e.g. loose parts, hoses, tools).
- Ensure all Operators are using the correct Personal Protective Equipment (PPE).
- Check that the air hoses are properly connected and tight.
- Check all hoses and accessories for damage prior to use. Do not use damaged items. Only high quality hoses intended for waterjetting applications should be used as high-pressure hoses.
- Check all high-pressure threaded connections for tightness.
- Operate the high-pressure water at full pressure and, if applicable, use the Pneumatic Foot Pedal Dump Control to verify that the dump valve is working properly.
- Ensure that Operators never connect, disconnect, or tighten hoses, adapters, or accessories with the high-pressure water pump unit running.
- Ensure no personnel are in the jetting zone.

**Personal Protective Equipment**

Use of Personal Protective Equipment (PPE) is dependent on the working pressure of water and the cleaning application. Managers, Supervisors, and Operators MUST carry out a job specific risk assessment to define the exact requirements for PPE. See Protective Equipment for Personnel (Section 6) of WJTA-IMCA’s Recommended Practices For The Use Of High-pressure Water Jetting Equipment for additional information.

- **Hygiene**—Operators are advised to wash thoroughly after all waterjetting operations to remove any waterblast residue which may contain traces of harmful substances.
- **First aid provision**—users MUST be provided with suitable first aid facilities at the operation site.

**PPE MAY INCLUDE:**

- **Eye protection:** Full face visor
- **Foot protection:** Kevlar® brand or steel toe capped, waterproof, non-slip safety boots
- **Hand protection:** Waterproof gloves
- **Ear protection:** Ear protection for a minimum of 85 dBA
- **Head protection:** Hard hat that accepts a full face visor and ear protection
- **Body protection:** Multi-layer waterproof clothing approved for water jetting
- **Hose protection:** Hose shroud
- **Respiratory protection:** May be required; refer to job specific risk assessment

StoneAge has designed and manufactured this equipment considering all hazards associated with its operation. StoneAge assessed these risks and incorporated safety features in the design. StoneAge WILL NOT accept responsibility for the results of misuse.

- **IT IS THE RESPONSIBILITY OF THE INSTALLER/OPERATOR to conduct a job specific risk assessment prior to use. Job specific risk assessment MUST be repeated for each different set up, material, and location.
- **The risk assessment MUST conform to the Health and Safety at Work Act 1974 and other relevant Health and Safety legislation.
- **The risk assessment MUST consider potential material or substance hazards including: Aerosols, Biological and microbiological (viral or bacterial) agents, Combustible materials, Dusts, Explosions, Fibers, Flammable substances, Fluids, Fumes, Gases, Mists, Oxidizing Agents.**
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