



ARTHUR PRODUCTS CO.

NOZZLES, THAT'S US!

1-800-322-0510 • WWW.ARTHURPRODUCTS.COM



2026kitR1

Sewer Solution™ Kits

Standard Nozzle Kit

The Standard Nozzle Kit is specifically designed to clean pipelines up to 100 –150 feet depending on pressure and flow provided. This is achieved providing equal pressure and flow to all jetting orifices in each nozzle. Each nozzle has a unique shape as to easily recognize the proper nozzle for a specific task. As with all Sewer Solution Kits, the Standard Kit nozzles are manufactured from heat treated stainless steel for maximum performance and longevity.

Thrusting Nozzle Kit

The Thruster Kit is an excellent option. This kit is specifically designed to clean pipelines at greater distances than conventional nozzle kits. This is achieved using specially designed jetting nozzles, various jet angles, and advanced orifice calculations. Each nozzle has a unique shape as to easily recognize the proper nozzle for a specific task. As with all Sewer Solution Kits, the Thruster Kit nozzles are manufactured from heat treated stainless steel for maximum performance and longevity.

Toll Free: 1.800.322.0510

Phone: 1.330.725.4905

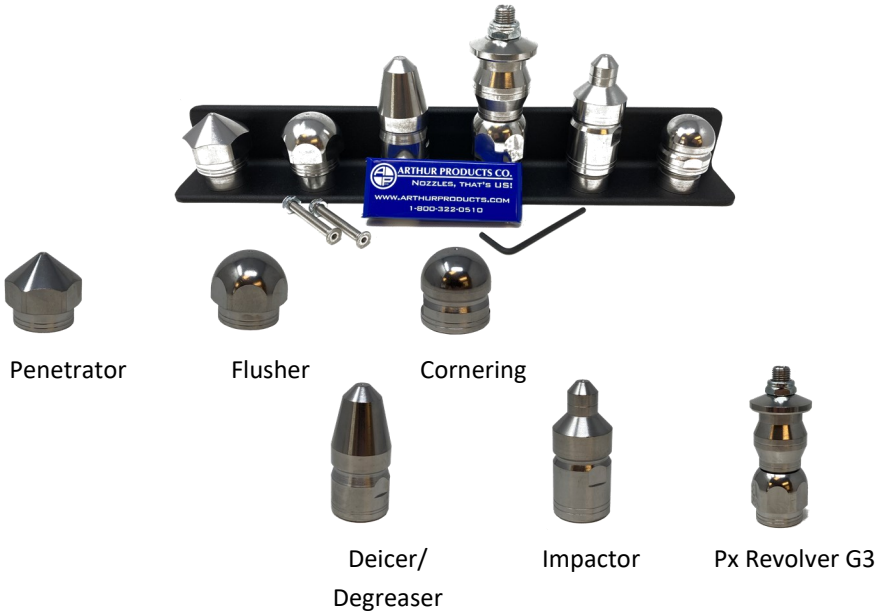
Fax: 1.330.722.2698

E-Mail: apc@apclsq.com

Web: www.arthurproducts.com

Sewer Solution™ Kits

6 Pack on a Rack



A Thrusting Nozzle Kit

Arthur Products has coupled two of our very popular products, a six piece **THRUSTER** nozzle kit and a six position **Nozzle Rack**. The Nozzle kit includes a **Penetrator** Nozzle, a **Flusher** Nozzle, a **Cornering** Nozzle, a **Deicer/Degreaser** Nozzle, a **Px Revolver G3**. A six position powder coater **Nozzle Rack** with 2 mounting screws with lock nuts make an excellent means to store and track your valuable nozzles. An **Orifice Cleaner** is also included with you purchase.

Available in 1/4", 3/8", 1/2", 3/4", 1.0" NPT
Also, Available in 1/4" and 3/8" BSPP

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Sewer Solution™ Kits

4 Pack on a Rack



Four round nose double groove nozzles supply a smooth, compact design to easily navigate sewer pipe bends and turns for better handling and nozzle recovery. The **4 Pack on a Rack** kit includes a penetrator, flusher, deicer/degreaser and a cornering nozzle. Supplied with the nozzles is a **6 place Nozzle Rack** which can be easily installed onto your truck, trailer or jetting cart. All nozzles combine thrusting power with a wide-angle spray for greater force in more challenging sewer situations. Pressure rated to 10,000 psi.

Available in 1/4", 3/8" & 1/2" NPT

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Sewer Solution™ Kits

Six (6) Piece Kit

Application/Features:

The Arthur Products “Sewer Solution Kit” is your one stop kit for all your cleaning needs. Available from .125” up to 1.00” and will clean lines from 1” to 24” using only 1.7 GPM to 80 GPM with pressures ranging from 1200PSI to 15,000PSI.



Individual Nozzle Descriptions:

1. Penetrator—dislodges blockage (1 Forward Jet, 3 - 6 Back Jets)
2. Flusher— flushes loose debris (4 - 8 Back Jets)
3. Cornering— Navigates around P-Traps and tight bends (1 Forward Jet, 1 Side Jet, 3—6 Back Jets)
4. Polisher— polishes and maximizes line recovery (2—4 Side Jets, 2—4 Back Jets)
5. De-Icer/De-Greaser — removal of heavily blocked lines with grease, hard soap or even ice. (3 Forward Angle Jets, 6 Back Jets)
6. Impactor — Moves sand, grit and light scale which may have accumulated within the line. (1 Forward Jet, 3 Side Jets, 6 Back Jets)

APC Part Number	Female Pipe Thread (NPT)
AP0125SS-06	1/8 x 27
AP0250SS-06	1/4 x 18
AP0375SS-06	3/8 x 18
AP0500SS-06	1/2 x 14
AP0750SS-06	3/4 x 14
AP1000SS-06	1.0 x 11.5

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Sewer Solution™ Kits

Five (5) Piece Kit

Application/Features:

The Arthur Products “Sewer Solution Kit” is your one stop kit for all your cleaning needs. Available from .125” up to 1.00” and will clean lines from 1” to 24” using only 1.7 GPM to 80 GPM with pressures ranging from 1200PSI to 15,000PSI.



Individual Nozzle Descriptions:

1. Penetrator—dislodges blockage (1 Forward Jet, 3 - 6 Back Jets)
2. Flusher— flushes loose debris (4 - 8 Back Jets)
3. Polisher— polishes and maximizes line recovery (2—4 Side Jets, 2—4 Back Jets)
4. De-Icer/De-Greaser — removal of heavily blocked lines with grease, hard soap or even ice. (3 Forward Angle Jets, 6 Back Jets)
5. Impactor — Moves sand, grit and light scale which may have accumulated within the line. (1 Forward Jet, 3 Side Jets, 6 Back Jets)

APC Part Number	Female Pipe Thread (NPT)
AP0125SS-05	1/8 x 27
AP0250SS-05	1/4 x 18
AP0375SS-05	3/8 x 18
AP0500SS-05	1/2 x 14
AP0750SS-05	3/4 x 14
AP1000SS-05	1.0 x 11.5

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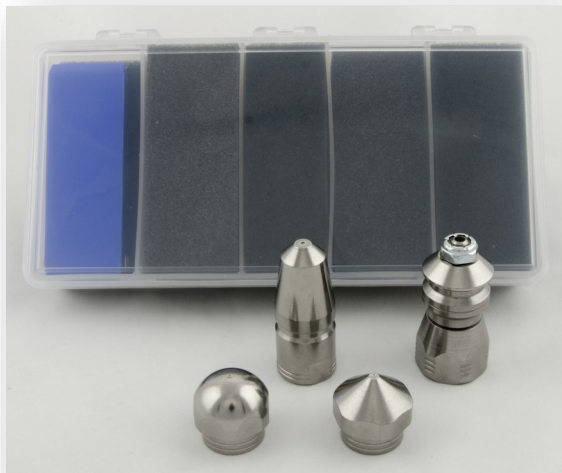
Web: www.arthurproducts.com

Sewer Solution™ Kits

Four (4) Piece Kit

Application/Features:

The Arthur Products “Sewer Solution Kit” is your one stop kit for all your cleaning needs. Available from .125” up to 1.00” and will clean lines from 1” to 24” using only 1.7 GPM to 80 GPM with pressures ranging from 1200PSI to 15,000PSI.



Individual Nozzle Descriptions:

1. Penetrator—dislodges blockage (1 Forward Jet, 3 - 6 Back Jets)
2. Flusher— flushes loose debris (4 - 8 Back Jets)
3. Polisher— polishes and maximizes line recovery (2—4 Side Jets, 2—4 Back Jets)
4. De-Icer/De-Greaser — removal of heavily blocked lines with grease, hard soap or even ice. (3 Forward Angle Jets, 6 Back Jets)

APC Part Number	Female Pipe Thread (NPT)
AP0125SS-04	1/8 x 27
AP0250SS-04	1/4 x 18
AP0375SS-04	3/8 x 18
AP0500SS-04	1/2 x 14
AP0750SS-04	3/4 x 14
AP1000SS-04	1.0 x 11.5

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Sewer Solution™ Kits

Three (3) Piece Kit

Application/Features:

The Arthur Products “Sewer Solution Kit” is your one stop kit for all your cleaning needs. Available from .125” up to 1.00” and will clean lines from 1” to 24” using only 1.7 GPM to 80 GPM with pressures ranging from 1200PSI to 15,000PSI.



Individual Nozzle Descriptions:

1. Penetrator—dislodges blockage (1 Forward Jet, 3 - 6 Back Jets)
2. Flusher— flushes loose debris (4 - 8 Back Jets)
3. Polisher— polishes and maximizes line recovery (2—4 Side Jets, 2—4 Back Jets)

APC Part Number	Female Pipe Thread (NPT)
AP0125SS-03	1/8 x 27
AP0250SS-03	1/4 x 18
AP0375SS-03	3/8 x 18
AP0500SS-03	1/2 x 14
AP0750SS-03	3/4 x 14
AP1000SS-03	1.0 x 11.5

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Thruster Kit

Designed for Long Runs

The Thruster Kit is an excellent option. This kit is specifically designed to clean pipelines at greater distances than conventional nozzle kits. This is achieved using specially designed jetting nozzles, various jet angles, and advanced orifice calculations. The Thruster Kit comes in a (6) piece nozzle kit complete with a Penetrator, a Flusher, a Deicer/Degreaser, a Lazer Tip, a Px Revolver G3, Tip Cleaner and a plastic Carrying Case. Each Nozzle has a unique shape as to easily recognize the proper nozzle for a specific task. As with all Sewer Solution Kits, the Thruster Kit nozzles are manufactured from heat treated stainless steel for maximum performance and longevity.



Px REVOLVER (G3)	FLUSHER	PENETRATOR
3 THRUSTING JETS (30°)	3 THRUSTING JETS (30°)	1 FORWARD JET (0°)
2 ROTATING FLUSHING JETS (45°)	3 FLUSHING JETS (45°)	3 THRUSTING JETS (30°)
2 POLISHING JETS (90°)		
DEICER/DEGREASER	IMPACTOR	CORNERING
3 FORWARD JETS (20°)	1 FORWARD JET (0°)	1 FORWARD JET (0°)
6 THRUSTING JETS (30°)	3 SIDE JETS (90°)	1 SIDE JETS (90°)
	6 THRUSTING JETS (30°)	3 THRUSTING JETS (30°)

APC Part Number	Female Pipe Thread (NPT)
AP0250SS-06P	1/4 x 18
AP0375SS-06P	3/8 x 18
AP0500SS-06P	1/2 x 14
AP0750SS-06P	3/4 x 14
AP1000SS-06P	1.0 x 11.5

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Sewer Solution™ Kits

Quad-F



Four round nose double groove nozzles supply a smooth, compact design to easily navigate sewer pipe bends and turns for better handling and nozzle recovery. The Quad-F kit includes a penetrator, flusher, deicer/degreaser and a cornering nozzle. All nozzles combine thrusting power with a wide-angle spray for greater force in more challenging sewer situations. Pressure rated to 10,000 psi.

Kit Contents:

- **Four (4) Jetting Nozzles**
- **Nozzle Tip Cleaner**
- **Carrying Case**

Available in 1/4", 3/8" & 1/2" NPT

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Sewer Solution™ Kits

Trio-F



Three round nose double groove nozzles supply a smooth, compact design to easily navigate sewer pipe bends and turns for better handling and nozzle recovery. The Trio-F kit includes a penetrator, flusher, and a cornering nozzle. All nozzles combine thrusting power with a wide-angle spray for greater force in more challenging sewer situations. Pressure rated to 10,000 psi.

Kit Contents:

- **Three (3) Jetting Nozzles**
- **Nozzle Tip Cleaner**
- **Carrying Case**

Available in 1/4", 3/8" & 1/2" NPT

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Alpha Kit

Designed for Low Flow and Low Pressure Systems

The Arthur Products **ALPHA KIT™** is configured for a low flow - low pressure system. Kits are available in 1/8", 1/4" and 3/8" FNPT versions and are drilled to the end user's specific pressure and flow. The **ALPHA KIT™** was designed for use by the property owner who has a low pressure system and likes to **"do-it yourself"**.

Many property owners live in areas where a professional drain cleaning service is not readily available. The **ALPHA KIT™** provides the tools necessary to dislodge solid and partial blockages along with flushing out loose debris such as grease, hard soap, ice, leaves, sand, and etc.



XXX = LENGTH OF HOSE

APC Part Number	Female Pipe Thread (NPT)
ALPHA125-XXX	1/8 x 27
ALPHA250-XXX	1/4 x 18
ALPHA375-XXX	3/8 x 18

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Nozzle *Safety*

SAFETY PROCEDURES FOR USING *AquaNoz*® NOZZLES

- 1) **Inspect Nozzle** prior to using to ensure that all orifices are unobstructed. Blocked orifices could result in dangerous over-pressuring of pumping equipment. Also, inspect for any surface damage as this can compromise nozzle safety.

- 2) **Discard Nozzle If:** A) The nozzle shows any signs of cracking or damage, particularly to threaded connections. B) The nozzle shows significant wear to sidewall at any point. C) The ability of the nozzle to hold pressure is in any way in question.

- 3) **Use Teflon Tape** on all male NPT threads before installing the nozzle. For those nozzles with machine screw threads use a good quality anti-seize compound.

- 4) **Use Wrench Flats** (if available) and an open ended wrench whenever possible, to install nozzles. A properly adjusted pipe wrench can be used for tightening nozzles which do not have wrench flats. Remember **DO NOT OVERTIGHTEN**. Avoid deep wrench marks which can severely weaken the nozzle.

- 5) **Nozzle Flow Ratings** must be compatible with pump flow and pressure rating to avoid dangerous over pressuring of the system.

Nozzle Sale

Terms and Conditions of Sales Agreement

Agreement. This Agreement between Arthur Products Co (APC) of Medina, Oh and Buyer for the sale of the APC products or parts covered in this invoice shall consist of the terms and conditions herein, shall constitute the entire agreement between the Parties for such sale, and shall supersede all prior oral or written representations or agreements between the Parties. This Agreement may only be modified by a written amendment signed by an authorized representative of both Parties. APC objects and shall not be bound by any additional or different terms, whether printed or otherwise in Buyer's purchase order or any other communication from Buyer unless expressly agreed to by APC in writing. Prior courses of dealing between the Parties or trade usage, to the extent they add to, detract from, supplant or explain this Agreement, shall not be binding on APC.

Safety Training. APC products are designed to use highly pressurized water to perform water-blasting operations. Misuse or improper maintenance of these products may cause damage to the product, other property damage, serious personal injury or even death. Accordingly Buyer agrees to become familiar with and follow the instructions available from APC for the safe and proper operation and maintenance of the product and to train all personnel who will use the product in the safe and proper operation and maintenance of the product in accordance with the recommended safety and maintenance practices in the operations manual or video available from APC. Should Buyer or its personnel at any time have a question regarding the proper use and maintenance of the product or the proper installation, use or maintenance of any part or accessory, Buyer agrees to contact a APC representative for further instruction.

Warranty. APC warrants its product parts to be free from defects in material and workmanship for 30 days from the date of invoice. This warranty covers only metal parts sold individually or as part of an assembled waterblasting unit. This warranty does not cover damage due to normal wear and tear; misuse or failure to use or maintain a part or product in accordance with operating or maintenance instructions furnished by APC; improper installation by Buyer or alteration of a part or accessory; or use of an unauthorized or non-standard part or accessory. Items not manufactured by APC are covered only by the warranty of the actual manufacturer. **APC EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER STATUTORY OR COMMON LAW WARRANTY.**

Warranty Service. During the warranty period, APC will provide warranty service for any covered part or product returned by Buyer to APC, shipping prepaid by Buyer, for inspection by APC, and such inspection reveals a defect in material or workmanship. APC will then, at its option, repair or replace the part or product and reship to Buyer F.O.B. APC's warranty service center, or refund the purchase price for the part or product. Buyer bears the risk of loss or damage to the part or product during shipment to and from APC.

Limitation of Liability. Buyer's sole remedy for breach of warranty shall be as set forth above. **APC SHALL NOT BE RESPONSIBLE FOR LOSS OF USE OF ANY PRODUCT, LOST PROFITS OR ANY INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, NOR SHALL APC'S LIABILITY FOR ANY OTHER DAMAGES WHATSOEVER ARISING OUT OF OR CONNECTED WITH THIS AGREEMENT OR THE MANUFACTURE, SALE, DELIVERY OR USE OF THE PRODUCT**

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Sewer Solutions Kit

Ordering Information

To best serve you, our customer, when placing an order please have the following information:

- 1) Thread Size (NPT): _____
- 2) System Pressure (PSI): _____
- 3) System Flow Rate (GPM): _____
- 4) Primary Size of Line to be Cleaned: _____
- 5) Total Hose Length on Machine: _____
- 6) Desired Distance of Nozzle Travel: _____

Arthur Products also has the resources available to powder coat nozzles to the recommended WJTA water Jetting Standards

WJTA Recommended Color Coding			
PSI	Bar		Color
10,000	690	-	Yellow
15,000	1,034	-	Green
20,000	1,379	-	Blue
30,000	2,068	-	Silver
40,000	2,758	-	Orange
55,000	3,792	-	Red

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For over 80 years, Arthur Products co. has listened to our customers needs and then set out to find ways to meet those needs. We do it all; from design, material selection, manufacturing, drilling and testing. We are there for our customers every step of the way.



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