

General PIPE CLEANERS



For the Rental Industry



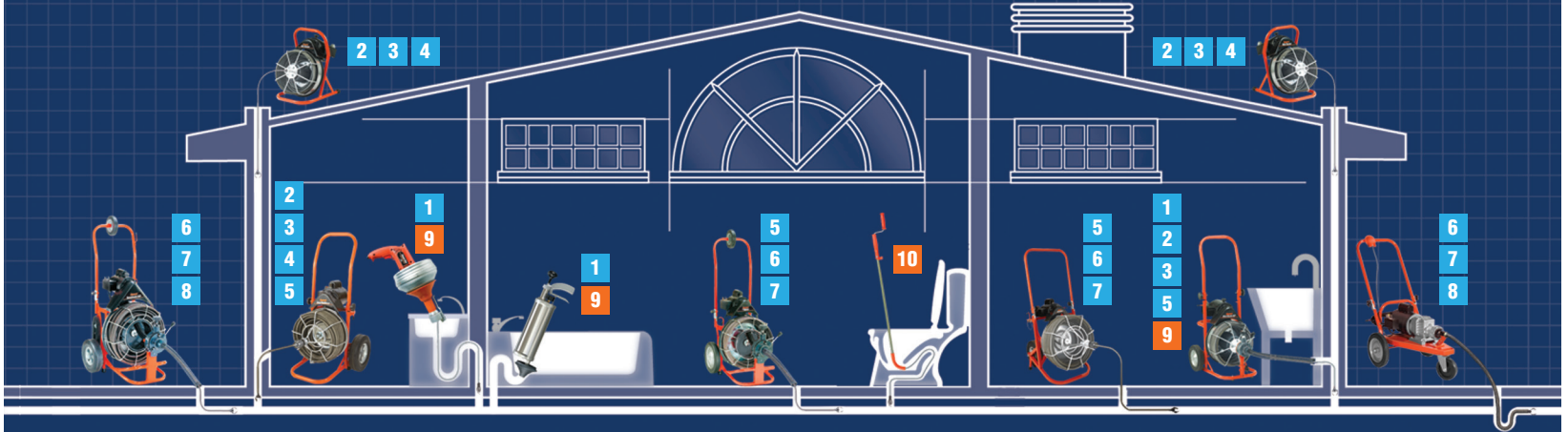
Nearly a Century of Customer Satisfaction

General Wire Spring Co.
The toughest tools down the line.™

www.drainbrain.com



Tool Selection Guide



Power Tools

Hand Tools

1



**Power-Vee®
Super-Vee®**
1-1/4"-3" Lines

2



Mini-Rooter®
2"-4" Lines
(Not Roots)

3



Mini-Rooter XP®
2"-4" Lines
(Not Roots)

4



Easy-Rooter Jr.®
2"-4" Lines
(Not Roots)

9



Water Ram®
1-1/4"-4" Lines

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The Metro®
2"-4" Lines
(Not Roots)

6



Easy Rooter®
3"-6" Lines

7



Speedrooter 92R®
3"-6" Lines

8



Model 88™
3"-10" Lines

10



Closet Auger
Toilets

General *General Wire Spring Co.*
PIPE CLEANERS
www.drainbrain.com
McKees Rocks, PA 15136 USA
800-245-6200 or 412-771-6300



Company History



General Marks Nearly a Century of Drain Cleaning Industry Leadership

General Pipe Cleaners, a division of General Wire Spring Co., is a leading manufacturer of high-quality American-made drain cleaning equipment. With nearly a century of knowledge of market needs and superior equipment reliability, General Pipe Cleaners has forged a robust reputation for turning good ideas into great products for decades.

Four generations of the General family and workforce have been serving the drain cleaning industry for nearly one hundred years. Customer satisfaction, trustworthy tools, creative solutions, continual product improvements, and solid equipment have fueled nearly a century of success and industry leadership.

Entrepreneurial Spirit Powers Progress

And it all began in 1930. That's when Abe Silverman stepped out on his own from his uncle, Frank's Rapid Wire Spring Company to found General Wire Spring Company. (His brother-in-law told him, "What's good for General Motors should be good for you.")

As a growing manufacturer of metal springs, Abe remained keenly attuned to promising market opportunities. So to expand his customer base, he began making quality drain cleaning cables for local plumbers.

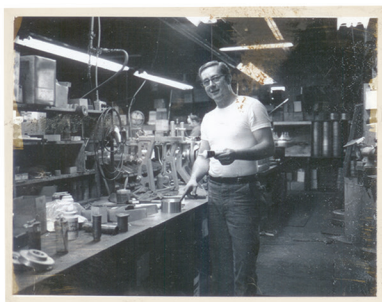
But settling for simple springs as drain cleaning snakes proved equally unappealing to Abe Silverman.

So in the 1940s, he patented a process of wrapping spring wire tightly around a braided wire core – vastly boosting strength, kinking resistance, and flexibility.

Performance-Driven Innovation

Abe called the radical, heavy-duty design "Flexicore cable". The innovative invention instantly surpassed all competitive products. And it has remained the core of General's business ever since.

Abe's pioneering Flexicore design propelled the company's excellent reputation. Even today, it's wide considered the industry standard for drain cleaning snakes!



Nearly a century later, General Pipe Cleaners, is still going strong. And like so many firms founded during the Great Depression, the company constantly leveraged hard work, market savvy, inventive approaches, and plain luck to survive – and thrive.

Past is Prologue

Today, General boasts a full line of advanced drain cleaning tools – including reliable open and closed drum machines, sectional drain cleaning machines, gas and electric-powered water jets, sewer inspection cameras and pipe location systems, acoustical water leak location equipment, pipe freezers, thawing machines, and accessories.

Abe Silverman's lasting legacy of innovative solutions, product reliability, and customer service continues today. And his great-grandchildren – the founding family's fourth-generation – have now joined the business.

Moreover, better than 40% of General's workforce remains multi-generational – with children often working shoulder-to-shoulder with their parents. Even the company's independent sales force remarkably reflects two and three generations representing General equipment.

General continues its leadership role in innovative drain cleaning and inspection technologies. And with nearly a century of experience, the people of General keep working hard to serve even more generations of customers.

 **The toughest tools down the line.™**

The Flexicore[®] Advantage



Scan to see webpage

How it Began

It's the snake that makes the difference

At the heart of our drain cleaning machines is our patented Flexicore[®] cable. These remarkably effective and durable drain cleaning cables save you money because they last longer.

Flexicore cables are the strongest, most durable drain cleaning cables in the industry. Professionals who have used it know that its patented design, strength, and durability put it head and shoulders above all other cables in the industry.



“Flexicore is the only cable I really trust.”

Jack Elvig,
Seattle, Washington

General Wire Spring founder Abe Silverman developed the first Flexicore Cable in the 1940s. Since then, generations of plumbers and contractors have considered Flexicore the industry standard for drain cleaning cables because of its matchless strength, resistance to kinking and flexibility.

Made from heavy-gauge wire coiled tightly around a 49-strand aircraft quality wire rope, it has unequalled strength with just the right amount of flexibility. This unique cable is used on all General Pipe Cleaners drum-type machines.

Flexicore gets stronger as more torque is applied. This allows it to clear tough blockages with less kinking, breakage and downtime. Less downtime means more work performed and more money for you.

Flexicore is so tough, it's the only cable that carries a one-year warranty on defects. In fact, it's the only cable in the industry that carries a warranty – period.

Surveys and feedback over the years confirm that successive generations of rental stores, plumbers, and drain cleaning professionals consider General their “preferred brand”. Flexicore cable remains a core reason why General continues its industry leadership.

The toughest tools down the line.™



“General Pipe Cleaners definitely offers superior drain cleaning tools for our key rental customers: home owners and businesses like mobile home parks, apartments, and restaurants. They're fantastic rental tools – with proven return-on-investment!”

Mike Kusick,
Aero Rental, Inc., Iowa City, IA



“My dad always used it. And I swear by it!”

Jeff Wall,
Wall Septic & Drain Cleaning, MA

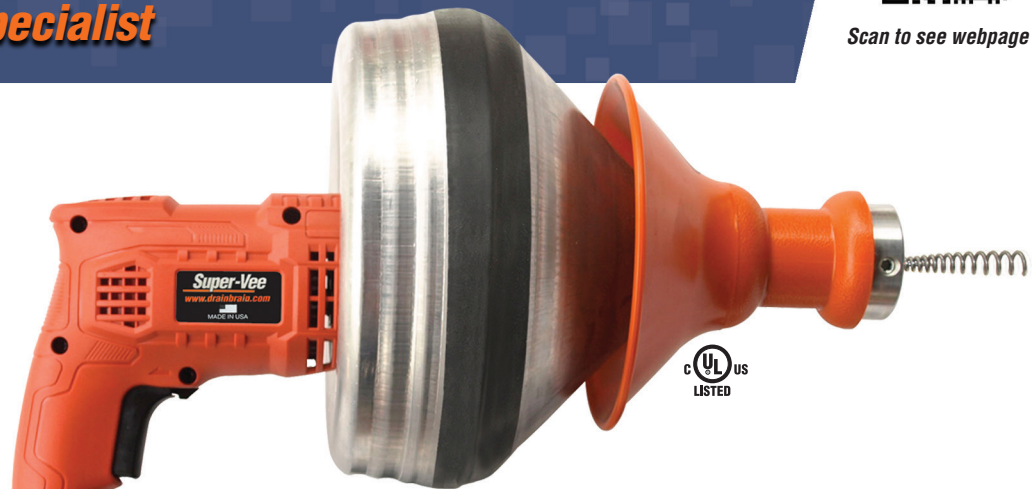
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Super-Vee®

The Small Line Specialist



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“It's well worth the money, and I tell everybody that it's my preferred tool for small line jobs!”

John Comerford,
Comerford Plumbing



The Super-Vee offers your customers a complete system for cleaning clogged sinks, tubs, and laundry drain lines 1-1/4" through 3" in diameter. With a variety of cables, cutters, and accessories available, you have the right combination for any clogged drain problem.

The Super-Vee is built to clear clogged drains for a decade or more. And our Dyna-Thrust™ bearing system is one reason why. It helps carry the weight of the drum, significantly reducing wear on the motor shaft bearing and extending the life of the tool. Of course the cables are Flexicore® – with an integral wire rope center. Nobody makes cables like General.

With a quick movement of the Grip Shield, the user releases or engages the cable – without the need for a chuck, and with automatic adjustment for different diameter cables. As a result, the cable gets into the line faster, can be pulled out faster, and the operator has full control at all times. Because the chuck is linked to the Grip Shield, handling is easy and comfortable.

To switch to a different diameter cable you just loosen three screws, pull the front of the drum off the cable, and load in another cartridge. Changing takes less than a minute and turns what could be a messy job into a clean one. The tough plastic cartridges are so inexpensive, you'll probably want to store all of your cables in them.

Key Features

- Slide-Action™ chuck built into grip shield.
- Quick-change cartridge makes switching cables clean and easy.
- Dyna-Thrust™ bearing system for longer tool life.
- Band-It™ splashguard minimizes excess water spray from the spinning drum.
- Flexicore® wire rope core cables for greater strength and durability.



Handy-Stand™

Convenient portable stand makes the Super-Vee and Power-Vee easier to use.

Power-Vee®

With Power Cable Feed – Works Great in Tight Spots



Scan to see webpage



“ Our maintenance tools must perform on demand. That’s why General’s hand-held Power-Vee anchors our drain cleaning tasks. ”

Rob Hoelscher, Maintenance Pro,
Bear Creek, Colorado



When working under sinks or in other awkward places, the Power-Vee is like having an extra hand. Just squeeze the feed lever, and three offset rollers in the automatic feed grip the cable and drive it into the line.

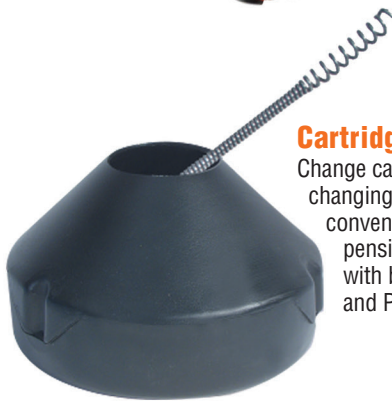
It’s easy to use. To feed the cable, start the Power-Vee motor and squeeze the feed lever; to retract, reverse the motor and squeeze. The Power-Vee feeds 3/8" cable at 16 feet per minute.

The Power-Vee handles 1/4" through 3/8" cables without any need for adjustment. Squeezing the feed lever brings the rollers into solid contact with the cable, with minimum effort by the operator.

Our Dyna-Thrust™ bearing system helps carry the weight of the drum, significantly reducing wear on the motor shaft bearing and extending the life of the tool. Also adding to the Power-Vee’s durability is the heavy-gauge stamped aluminum drum. Of course the cables are Flexicore® – with an integral wire rope center. Nobody makes cables like General.

Cartridge Refill

Change cables faster by changing cartridges. They’re convenient, clean, and inexpensive. They can be used with both the Super-Vee and Power-Vee.



Key Features

- Power cable feed drives and retracts cables at up to 16 feet per minute.
- Quick-change cartridge makes switching cables clean and easy.
- Dyna-Thrust™ bearing system for longer tool life.
- Band-It™ splashguard minimizes excess water spray from the spinning drum.
- Flexicore® wire rope core cables for greater strength and durability.

Drain Rooter PH™

The Clean Machine



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The Drain-Rooter PH is a real labor-saver on long jobs, or when working in cramped areas where the weight of the machine could be burdensome. Equipped with a variable speed power cable feed and variable speed motor, the Drain-Rooter PH makes drain cleaning jobs cleaner and easier for your customers.

It feeds and retrieves the cable at up to 16 feet per minute. A four-foot guide hose eliminates cable whipping, dirty fixtures, and messy floors.

The drum speed can be varied by changing the pressure on the foot pedal. The Drain-Rooter PH can be operated in both horizontal and vertical positions to get closer to the drain opening.

A quick-change cartridge system allows you to switch to different diameter cables without pulling the old cable out of the drum.

The drum holds up to 50 ft. of 1/4" or 5/16" cable or 35 ft. of 3/8" cable.

Key Features

- Variable speed power cable feed drives and retrieves cable at up to 16 ft. per minute
- Four-foot guide tube keeps hands and job site clean.
- The drum speed can be varied by changing pressure on the foot pedal.
- Quick-change cartridge makes switching cables clean and easy.
- Flexicore® wire rope core cables for greater strength and durability.

Model DRZ-PH[®]

Quiet, Clean, Quick



Scan to see webpage



“ This tool is a great addition. It allows my staff to quickly address issues with a far greater success rate than with any previous equipment. ”

Tom Stegemann,
Maintenance Supervisor for Festus School District

Looking for a cleaner way to clean drains? The Model DRZ-PH is the answer. Light and powerful for a machine of its size, this easy to carry, compact machine is ideal for clearing clogged sinks, tubs, and laundry drains in 1-1/4" to 3" drain lines up to 50 feet long.

The variable speed power cable feed gives you complete control as it feeds and retrieves the cable at up to 16 ft. per minute. The four foot guide tube means you never have to touch the cable so your customer's hands, and the jobsite, stay clean.

Operate the machine horizontally on the kitchen counter or vertically on the floor next to the tub. The silent motor won't disturb your customers while on the job. Use the pneumatic pedal to keep your hands free to control the feed and guide hose.

The rust resistant aluminum drum carries up to 50' of 1/4" or 5/16", or 35' of 3/8" Flexicore wire rope center cable. A quick-change cartridge system allows you to switch to a different diameter cable without pulling the old cable out of the drum.

Weighing as little as 30 lbs. this light-weight machine is easy to handle. Use the carrying handle on top to carry to and from the job.

Key Features

- Variable speed power cable feed drives and retrieves cable at up to 16 ft. per minute
- Four-foot guide tube keeps hands and job site clean.
- Quick-change cartridge makes switching cables clean and easy.
- Band-It™ splashguard minimizes excess water spray from the spinning drum.
- Silent motor won't disturb your customers while on the job.
- Flexicore® wire rope core cables for greater strength and durability.

Kinetic Water Ram™

Open Clogged Drains with Shock Action!

Over 50 years of technical advancements make the rugged, all-metal Kinetic Water Ram® the choice for quickly clearing clogged drains. Just pump it up, insert in drain – and snap the trigger. It's that easy.

Lightweight and economical, the futuristic Kinetic Water Ram generates a shock wave that instantly pulverizes stoppages in 1-1/4" to 4" lines – yet won't harm pipes. Quickly clear clogged sinks, toilets and tubs of grease, hair, sediment and debris.

“ **The Kinetic Water Ram is perfect for all kinds of drain cleaning problems. It's amazing on grease in kitchen sinks, hair and scum in bathtubs, and toilet paper and disposable wipes in commodes.** ”

Omar Taylor,
Indiana-based plumber

Environmentally friendly, the compact, portable drain cleaning tool is cleaner than snakes – and safer than chemicals. It requires no electrical power or CO2 gas.

The Kinetic Water Ram uses a burst of compressed air that drives a shock wave (kinetic energy) through water to break up the stoppage. The shock wave bypasses vents and stacks to break-up clogs. You get instant impact with no pressure build-up. The built-in pump and pressure gauge let you choose the right amount of force for each job.

The Kinetic Water Ram is particularly useful when the stoppage is on the far side of a drum trap or series of tight bends, since the shock wave can travel around bends without losing its force. The sleek and easy-to-handle Kinetic Water Ram is made of durable plated metal components.

The 16 gauge plated steel cylinder is tested up to 600 lbs. of pressure, the 100 lb. gearless pressure gauge provides pinpoint pressure control, and the built-in air



compressor easily pumps up to desired pressure – more than any other air-powered drain cleaner on the market. The unit is available with a sturdy carrying case with molded compartments for the drain cleaning tool and accessories.



An optional toilet attachment (KR-CA) screws onto the front of the Ram and enables you to position the cone in the bowl to get a tighter seal. As a result, you can strike the blockage with greater impact and no splash back.

Key Features

- Clear clogged sinks, tubs and toilets with kinetic energy.
- Shock wave breaks up stoppage without harming pipes.
- Effective clearing lines with tight bends, drum traps and narrow pipes.
- All-metal construction includes built-in pump and pressure gauge.
- 16 gauge plated steel cylinder tested up to 600 lbs. of pressure.
- 100 lbs. gearless pressure gauge provides pinpoint pressure control.
- Built-in air compressor easily pumps up to desired pressure – more than any other air powered drain cleaner on the market.
- Environmentally friendly, requires no electrical power or CO2 gas.
- Lighter weight and cleaner than cable drain cleaners.
- Over 50 years of technical advancements.



Scan to see webpage



**Simple to operate.
Anyone can use it.**



1.

Pump it up



2.

Insert in drain



3.

Snap the trigger

What is Kinetic Energy?

The Kinetic Water Ram uses a burst of compressed air, which strikes the column of water in a clogged pipe. The resulting shock wave, called Kinetic Energy, hits the stoppage at a speed of approximately 4,700 feet per second, quickly clearing the blockage and flushing waste particles away. The instant impact protects pipes and joints because there is no build-up of pressure in the plumbing system.



Carrying Case

Protect your investment with a heavy-duty carrying case with molded compartments for the Ram and its accessories.



Optional Ram Accessory Kit

Includes 6" tapered rubber cone, 1-1/2", 2", 3" and 4" expansion plugs, faucet adapter, water supply hose and check valve.



Mini-Rooter®

Clear Clogged Drains from Rooftop to Basement



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The Mini-Rooter clears drains from rooftop to basement, including kitchen, bath, and laundry drains. With 50 ft. of 1/2" cable it weighs just 60 lbs.

This compact, easy-to-use machine has lots of time-saving features. For instance, you can remove the cage in seconds for more portability or to switch to a different diameter cable – with no mess and no lost time.

Safety features include an air foot switch, ground fault circuit interrupter, and safety slip clutch. An inner drum and distributor tube help to prevent cable tangling under load.



“ I’ve even compared competitive brands. And I’ve never seen anything we like better than General’s Mini-Rooter for tough inside work. ”

Vic Mohr Jr., Red Bud Plumbing,
Heating & Cooling, Red Bud IL,



Removable Cage

You can take the open cage off in seconds to switch cages or lighten the machine for easier transport.

Key Features

- Clears inside drain lines from roof top to basement.
- Cage can be removed in seconds for added portability.
- Optional J-Drum for clearing clogs in small drain lines.
- Flexicore® wire rope center cables have unequalled strength yet the right amount of flexibility.

J-Drum

For small drain work in 1-1/4" to 2" lines, get the Mini-Rooter J-Drum.



Mini-Router XP[®]

Extra Portability and Performance



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“ It weighs about 90 lbs. but it's no weakling. It's tough equipment, priced right. I love the reliability and maneuverability. ”

Jeff Wall,
Wall Septic & Drain Cleaning, MA



Folding Handle

The handle is tall enough to make it easy to move to the job, yet it can be quickly folded to take less room in your customer's vehicle.



Power Cable Feed

A variable speed power cable feed attachment makes feeding and retrieving the cable much easier. It quickly adjusts between 1/2" and 3/8" cables without the need for tools or additional parts.



The Mini-Router XP gives you extra portability because 8" semi-pneumatic wheels let you keep the weight on the ground. An easy-grip handle folds down to save space and locks to use as an additional lifting handle.

A roll bar protects the 1/3 hp motor when going up or down stairs. And the power cord and foot pedal can be stowed away on convenient cord wraps.

The XP gives you extra performance and value, enabling you to clear clogged drain lines from 1-1/4" to 4" in diameter with just one machine. The cage easily holds 50 ft. of 1/2" cable or 75 feet of 3/8" and features a free floating inner drum with an integral distributor tube to help prevent cable tangling.

The Mini-Router XP cable with a Power Cable Feed makes a lot of tough jobs go much easier. Even with the power cable feed, the cage is a snap to remove, taking less than a minute.

Of course the XP comes with General's patented Flexicore wire rope center cable for durability.

Key Features

- Inner cage to prevent cable tangling under load.
- Variable speed power cable feed drives and retrieves cable.
- Built in 8" wheels for easy transport, and folding handle for compact storage.
- Cage can be removed in seconds for added portability.
- Flexicore[®] wire rope core cables for greater strength and durability.



Easy Rooter Junior®

A Rugged Machine for 2" to 3" and Most 4" Lines



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UL
LISTED

The Easy Rooter Junior® drives up to 100 feet of 1/2" Flexicore® cable to clear 2", 3" and most 4" drain lines.

A Quick-Grip™ chuck secures the cable during operation. With just a quarter turn, the chuck tightens firmly on the cable to secure it while the Easy Rooter Junior drives the cable into the line. Then, it can be released just as quickly to pull more cable from the cage. It's faster and easier to use than a thumb screw.

The reinforced powder-coated steel frame is built to take heavy-duty use and abuse. A special "roll bar" protects the motor when loading the machine into a car trunk. The machine rolls easily to and from the job on 10" ball bearing wheels. And a passive wheel brake locks the machine in position on the job.

A folding handle quickly locks in place, making it much easier to wheel the Easy Rooter Junior to the job, without sacrificing the compact size needed for easy loading in a car trunk.

Power is supplied by a 1/3 hp capacitor motor with thermal overload protection. A momentary contact reverse switch protects the cable by preventing the operator from running the machine in reverse for more than a few seconds at a time.



Standard safety features include an air actuated foot pedal, ground fault circuit interrupter, and a safety slip clutch.

“ We prefer General to other brands.
Our customers are satisfied,
and so are we! ”

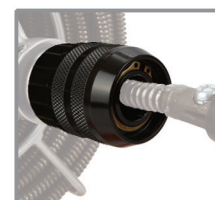
Garden True Value Hardware,
Garden City, KS



**Momentary Contact
Reverse Switch**



Folding Handle



**Quick-Grip™
chuck**

Key Features

- A large capacity machine for clearing 2" to 4" lines.
- Open cage holds 100 ft. of 1/2" Flexicore® cable.
- Patented Quick-Grip™ chuck tightens firmly on cable with just a quarter turn.
- Pneumatic foot pedal and ground fault interrupter for safety.
- Safety slip clutch protects cable and operator.
- Powder coated steel frame with folding handle and 10" heavy duty wheels.
- 1/3 hp motor with thermal overload protection.
- Momentary contact reverse switch helps prevent cable tangling in cage.

The Metro®

A Tough Machine in a Compact Lightweight Package



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The variable-speed power cable feed makes The Metro® easier for your customers to use. The automatic feed drives cable into the line at up to 20 feet per minute. Put the feed in reverse and it retracts the cable easily too.

The Power Cable Feed and guide tube combination allows the cable to feed smoothly into the line while keeping your customer's hands clean and away from the spinning cable.

The Metro's heavy-duty reinforced frame can endure rough handling in the field. The big 10" heavy-duty wheels and a truck loading wheel make it easier to transport the machine to and from the job. A cutter holder on the frame keeps all the cutters within easy reach. And the fold-down handle makes the machine more compact to take up less space in the truck.

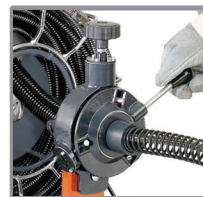
With a capacity of up to 100 ft. of 9/16" tough Flexicore® cable, the Metro sewer machine clears 3"- 4" lines.



“ It really cuts down physical labor and makes work alot easier. At the end of the day, You can literally feel the difference! ”
Budd Stover,
Twin County Plumbing & Heating



Folding Handle



Variable-Speed Power Cable



Truck Loading Wheel

Key Features

- Clears clogs in 3" to 4" drain lines up to 100 feet long.
- Variable speed Power Cable Feed drives and retracts cable at up to 16 ft. per minute.
- Cage capacity of up to 100 ft. of 9/16" Flexicore® cable.
- Heavy-duty reinforced frame and cage support shaft can endure rough handling in the field.
- Handle folds for space-saving convenience in the customer's vehicle.
- Ten-inch wheels and a trunk loading wheel make for one-person handling.
- Passive brake system holds the machine in place on the job and in a vehicle.
- Momentary contact reverse switch helps prevent cable tangling in the cage.
- 1/3 hp capacitor motor has plenty of power.

Easy Rooter®

Job Tested Tough



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The Easy Rooter® is a tough, easy-to-use machine. It has a rugged powder coated steel frame with special “roll bars” to protect the motor and heavy-duty roller bearings in the cage for longer life and greater motor efficiency on long runs. The large cage holds 100 feet of 3/4" or 5/8" Flexicore® cable to clear tree roots and other difficult obstructions in 3" to 10" drain lines.

The patented Quick-Grip™ chuck secures the cable during operation. With just a quarter turn, the chuck tightens firmly on the cable to secure it while the Easy Rooter drives the cable into the line. It can be released just as quickly to pull more cable from the cage. It's faster and easier to use than a thumb screw.

The Easy Rooter comes with a rugged cage cover to protect customers, surroundings, and equipment from dripping cables and water spray from the spinning cage. The durable, heavy-duty, poly canvas cover fits snugly around the cage to keep your customers clean and dry, yet it can be easily removed for cable inspection or cleaning between rentals. Replacement cage covers are available separately (Cat # ER-CV).

Power is supplied by a 1/3 hp capacitor motor with thermal overload protection. A momentary contact reverse switch protects the cable by preventing



“ We rented one Easy Rooter drain cleaner (purchased) from General Pipe Cleaners 92 times in one year — often twice in one day. Easy Rooter is our flagship item. They last and last and last: nothing seems to stop them. ”

Rental Manager Roland Higgins,
Tweedy Lumber, Rushville, IA

the operator from running the machine in reverse for more than a few seconds at a time.

Standard safety features include an air actuated foot pedal, ground fault circuit interrupter, and safety slip clutch.



Flexicore® Cable



Quick Grip™ Chuck



Safety Slip™ Clutch



Key Features

- Clear tree roots and other difficult obstructions in 3" to 10" drain lines.
- Cage holds 100 feet of 3/4" or 5/8" Flexicore® cable.
- Patented Quick-Grip™ chuck secures the cable during operation.
- Rugged cage cover protects customers from water spray from the spinning cage.
- Special “roll bars” to protect the motor.
- Extra-long folding handle quickly locks in place.
- Rolls smoothly on big 10" ball bearing wheels.
- 1/3 hp capacitor motor with thermal overload protection.
- Momentary contact reverse switch to protect the cable.
- Safety features include: Air actuated foot pedal, ground fault circuit interrupter, and safety slip clutch.

Speedrooter 92R[®]

Easier Handling – Same Toughness



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The Speedrooter 92R[®] has root cutting power combined with a power cable feed to take a lot of the work out of clearing clogged drains.

The feed drives 5/8" and 3/4" Flexicore[®] cables and has the pulling power to get the cables out of the line - even on long, tough jobs. To adjust from 5/8" to 3/4" cables, you simply turn the knob on top of the feed. The cable runs through a guide spring attached to the feed into the drain opening, making it a hands-free operation.

Getting to and from the job is easier, because the Speedrooter has ten-inch wheels, V-belt stair climbers, and a loading wheel on the mounted handle to help lift the machine into a vehicle. A capacitor start 1/3 hp motor drives the machine. Standard safety features include air foot pedal, ground fault circuit interrupter, and safety slip clutch.

The cage holds 100 feet of 5/8" or 3/4" Flexicore[®] cable to clear 3" to 10" drain lines. Flexicore[®] wire rope center cable is so tough it carries a one-year warranty. The inner cage and self-aligning Flexitube[™] distributor tube reduce cable tangling.

Variable-Speed Power Cable



A variable speed power cable feed attachment makes feeding and retrieving the cable much easier for your customer. It quickly adjusts between 5/8" and 3/4" cables without the need for tools.

Truck Loading Wheel



One person easily loads the Speedrooter 92 into the trunk of a car or truck bed. The swept-back handles and loading wheel give you the needed leverage.

“ It's my workhorse. Speedrooter means service with a Capital S! ”
Carl Helt,
Helt Plumbing



Key Features

- Clears tree roots and other difficult obstructions in 3" to 10" drain lines.
- Variable speed Power Cable Feed drives and retrieves cable at up to 20 ft. per minute.
- The cage holds 100 feet of 5/8" or 3/4" Flexicore[®] cable.
- Rolls smoothly on big 10" ball bearing wheels.
- 1/3 hp capacitor motor with thermal overload protection.
- Momentary contact reverse switch to protect the cable.
- Features stair climbers, 10" ball bearing tires, and truck loading wheel.
- Flexicore[®] wire rope inner core cables for greater strength and durability.

Model 88™

You walk while it works



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“ Companies like ours want a machine that’s going to tackle tough jobs – like roots. The Model 88 is reliable, has plenty of torque, and is very rugged. ”

Michael Williams, Just Drains, LLC,
Philadelphia, PA



The Model 88™ sectional drain cleaning machine is almost as easy to run as a lawnmower. Attach the eight- or ten-foot cable sections to the machine, stand behind it, and turn it on. The cable spins itself into the drain line. When a section has run into the drain, attach another one and keep going. Cable sections snap together in a second and are taken apart quickly with a spanner wrench or screwdriver.

The Model 88 handles tough jobs up to 200 ft. long in lines from 3" to 10" diameter. A standard 3/4 hp capacitor motor supplies plenty of power, and an adjustable safety clutch protects cables and operator.

No Wrench Coupler

G-CDC Cable Drive Coupler allows coupling and uncoupling of cable from machine without a wrench. It's included with units shipped with "G" cables.

Rodrunner®

Versatile Sectional Machine



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The versatile Rodrunner® offers all the benefits of a sectional drain cleaning machine – light weight, high speed cable rotation, and short, quick coupling cables – plus it can be operated in open spaces or in close quarters.

No Wrench Coupler

The Rodrunner can be operated like the Model 88 in “lawn-mover” fashion, standing behind the machine when space permits. Or, when the clogged drain is in a tight basement, the Rodrunner can easily be used in close quarters as well.

The Rodrunner can handle the toughest stoppages in 3" - 10" lines, as far as 200 feet away. A heavy duty 3/4 hp motor spins the cable at 700 rpm. And the adjustable slip clutch helps protect the cables against sudden torque build ups.



“ It gives fierce boring power and works sludge really well in long lines. ”

Vinnie, MacDonald
Rooterman, Boston, MA

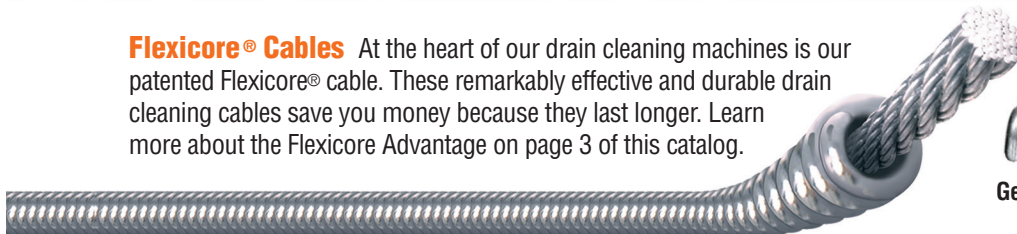


Replacement Cables



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Flexicore® Cables At the heart of our drain cleaning machines is our patented Flexicore® cable. These remarkably effective and durable drain cleaning cables save you money because they last longer. Learn more about the Flexicore Advantage on page 3 of this catalog.



General Flexicore® Cable with Male and Female Connectors.

Sectional Cables Sectional cables for the Model 88 and Rodrunner snap together in a second and can be taken apart quickly with a coupling wrench. The open coils screw into the line making it easier to clear longer lines with less effort. The 1-1/4" sectional cables are available in either all-purpose Flexichain which has a chain center, or stiffer Proflex which has a spring center. They are available in 8 ft. or 10 ft. lengths and with either "G" or "L" connectors. With the "G" connector, no torque is put on the locking pin when running in reverse, making it a more durable coupling.



Flexichain® Cable



Proflex® Cable



"G" Connector



"L" Connector

Cable Maintenance



Scan to see webpage

Quick-Fix™



General's unique Quick-Fix™ lets you quickly repair broken drain cables in the field. You can continue working and finish the job without having to go back to your shop to repair or replace a broken cable. The Quick-Fix is available in 1/2", 9/16", 5/8", and 3/4" sizes with female or male connectors.

Connectors



Butt-Weld Connectors

Passes through automatic feeds. No need to adjust the feed. For 5/8" and 3/4" sizes.



Cup-Type Connectors

Sheath fits over cable for easier repairs. For 5/16", 3/8", 1/2", 9/16", 5/8" and 3/4" sizes.



Repair Sleeves

Available in 3/8", 1/2", 5/8" and 3/4" sizes.

Snake Oil Classic™

A Great Way to Extend the Life of Your Cables.

Snake-Oil Classic preserves and protects sewer cables against rust and corrosion. It's better than common lubricants because its special rust inhibitor cuts through moisture and replaces it with a rust-resistant coating. You'll significantly extend the life of your cables and sewer machine, including the cage, bearings and power cable feed rollers. Snake Oil Classic also includes a deodorizer to give equipment a fresh, clean smell. Available in quarts or gallons.



Safety Accessories

Double Palm Leather Gloves

Only wear leather gloves when working with a drain cleaning cable. Never use any other type of glove, such as cloth, rubber, or coated gloves. Never grasp a rotating cable with a rag. These items could become wrapped around the cable and cause serious injury. Available individually or in 12 packs.



Splash/Impact Goggles

Always wear safety glasses to protect against splash and debris from the drain. Use of this safety equipment may prevent serious injury. Can be worn over glasses.

Cutters

For 3/8", 1/2" and 9/16" Cables

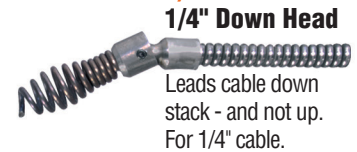


AH
Arrow Head Starting Drill
For 5/16", 3/8", 1/2" and 9/16" cable.



1-1/4 SCB
1-1/4" Side Cutter Blades
For cutting and scraping. For 5/16" and 3/8" cable.

BG Boring Gimlet
For removing loose objects. For 5/16" and 3/8" cable.



1/4 DH
1/4" Down Head
Leads cable down stack - and not up. For 1/4" cable.

FAH
Flexible Arrow Head
For sharp turns in small lines. For 5/16" and 3/8" cable.



1CG and 1-1/2 CG
ClogChopper
Clears debris, scale, and crystalized urine. For 5/16" and 3/8" cable.



DHBG
Down Head Boring Gimlet
Goes down waste, not up stack. For 5/16" and 3/8" cable.



1/4 DDH
1/4" Double Down Head
For especially difficult bends. For 1/4" cables.

RTR-1
Small Retrieving Tool
For removing loose objects. For 3/8", 1/2" and 9/16" cable.



1-1/2UC 1-1/2" U-Cutter
For cutting and scraping. For 3/8", 1/2" and 9/16" cable.



2UC 2" U-Cutter
For cutting and scraping. For 3/8", 1/2", 9/16", 5/8" and 3/4" cable.



SCB Side Cutter Blades (Two piece set)
For cutting and scraping. Furnished in 2", 3" and 4" sizes. For 1/2", 9/16", 5/8" and 3/4" cable.



RSB Rotary Saw Blades (Two piece set)
For cutting and scraping. Furnished in 3" and 4" sizes. For 1/2", 9/16", 5/8" and 3/4" cable.



2CG and 2-1/2CG ClogChopper
Clears debris, scale and crystalized urine. For 1/2", 9/16", 5/8" and 3/4" cable.

For 5/8" and 3/4" Cables



SHD
Spear Head Starting Drill



RTR-2
Large Retrieving Tool
For removing loose objects.



HDSC Heavy Duty Side Cutter
For cutting and scraping. Available in 3" and 4" sizes.



UC U-Cutters
For cutting and scraping. Available in 2", 3" and 4" sizes.



SCB Side Cutter Blades
For cutting and scraping. Available in 2", 3" and 4" sizes.



RP-2 Root Ripper™
Heavy spring screws into root mass, while hook tears into stoppage.



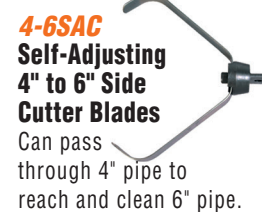
RSB Rotary Saw Blades
For cutting and scraping. Available in 3" and 4" sizes.



HDB Heavy Duty Saw Blade
For roots and other stoppages. Available in 3" and 4" sizes.



3-6HDEC Heavy Duty 3" to 6" Expansion Cutter
Can pass through 3" pipe to reach and clean 6" pipe.



4-6SAC Self-Adjusting 4" to 6" Side Cutter Blades
Can pass through 4" pipe to reach and clean 6" pipe.



3CG and 4CG ClogChopper
Maneuverable cutter clears roots, debris, and scale. Available with connectors to match General or other brands.



Scan to see webpage

For 1-1/4" Sectional Cables

Note: All cutters are illustrated with "G" connector. If ordering with "L" connector, substitute "L" prefix for "G". For example L-SHD.

G-SHD Spear Head



G-RTR-2
Large Retrieving Tool

G-2UC 2" U-Cutter



G-3HDSC 3" Heavy Duty Side Cutter



G-CW Coupling Wrench
Fits both "G" and "L" connectors.



G-4RSB 4" Rotary Saw Blade



G-3HDB 3" Heavy Duty Saw Blade



G-HA Hook Auger



Sectional Machine Accessories

VCCS
Cable Carrier



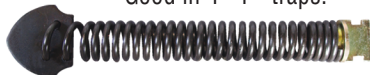
Holds five 10 ft. sections.

CF Cable Feeding Tool

Helps work sectional cables around tight bends.



G-FSH Flexible Spear Head
Good in 4" "P" traps.



G-CA Cutter Adapter

Converts all cutters on pages 20-21 for use with "G" connectors.



G-SC Spade Cutter

Wide spade with sharp edge.



G-CL Cutter Leader

Add flexibility to the front of Proflex cables,



ClogChopper® Revolutionizes Drain Cleaning

Rip through tough stoppages with the unique ClogChopper multi-function cutting tools. Six self-sharpening blades dig into encrusted debris and root masses, easily grinding up stoppages, scale, and crystallized urine, without risking pipe damage.

The spherical design maneuvers around tight bends and traps, thoroughly and safely cleaning metal, plastic, and clay pipes. As it spins it also self-sharpenes as it scrapes along the pipe walls. It's excellent for clearing stacks, downspouts, mains, as well as for drain lining jobs.

General offers a variety of sizes, and connector options, including for our drum type cables and sectional G connectors, as well as for Ridgid® and Electric Eel® connectors.



Catalog Number	Cutter Size	For Pipe Size	For Cable Size
1CG	1"	1-1/4" – 2"	5/16" and 3/8" Cables
1-1/2CG	1-1/2"	1-1/2" – 3"	3/8", 1/2" and 9/16" Cables
2CG	2"	2" – 4"	1/2", 9/16", 5/8", and 3/4" Cables
2-1/2CG	2-1/2"	3" – 4"	5/8" and 3/4" Cables
3CG	3"	3" – 6"	5/8" and 3/4" Cables
4CG	4"	6" – 10"	5/8" and 3/4" Cables

“ There's nothing like it. It's fantastic for clearing scale from inside lines. It flies around pipe bends! ”
Sylvan Tieger,
Bronx-based Plumber

JM-1450 Electric Water Jet

Compact! Portable! Powerful!



Scan to see webpage

The powerful JM-1450 electric water jet gives you as much pressure as you can get from an electric jet. It generates 1500 psi at 1.7 gallons per minute, yet only pulls 13 amps. It's powered by a 1-1/2 hp dual capacitor enclosed motor.

The JM-1450 features Vibra-pulse® on demand to help the hose slide around tight bends in small lines. This unique feature allows the flow rate to remain the same whether Vibra-pulse is on or off.

The JM-1450 is compact and portable. With an overall height of 31", the machine fits easily in the limited storage space of a contractor's truck. Need it to be more compact? Simply remove the easily detachable hose reel and the height drops to just 14". The telescoping handle makes it easier to roll the machine to and from the job site.

A removable 150 ft. capacity hose reel with drag brake and swivel is mounted on a heavy-duty frame with two 8" semi-pneumatic tires.



“ We ran the JM-1450 hose from the floor drain to the stack – then to the floor below, then cleanly repeated the process. Lather, rinse and repeat! ”

Gregg D'Attile,
Art Plumbing

Slide-Out Handle

Convenient handle and eight inch wheels make it easier to roll the machine to and from the job. The reel detaches in seconds to make the jet more portable.



Key Features

- As much power as you can get from an electric jet.
- Generates 1500 psi at 1.7 gpm, yet pulls only 13 amps.
- Flow rate to remain the same whether Vibra-pulse is on or off.
- Compact and portable, hose reel removes in seconds.



Vibra-pulse®

This is what separates General's Jet-Set from ordinary pressure washers. Vibra-pulse breaks the initial tension between the surface of the hose and the walls of the pipe, helping the hose slide around tight bends and propel itself farther down the line. Vibra-pulse increases the cleaning power of electric jets, and is particularly useful in jetting around bends in small drain lines.

JM-2900 Gas Water Jet

Big Jet Power in a Portable Package



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The JM-2900 is a powerful step up from electric water jets. It's lighter and more maneuverable than larger gas jets, yet maintains the same pressure and flow rate of its big brothers. It's driven by a 389 cc (13hp) engine connected directly to a 3000 psi, 4 gallon per minute triplex pump with Vibra-pulse® on demand.

The 200 ft. capacity hose reel with drag brake, reel lock, and swivel is mounted on a very maneuverable heavy duty frame with two, ten inch "Flat-Free" foam core tires. A passive brake keeps the machine solidly positioned on the job.

An optional spray wand is available.



Other jetters are available. Visit drainbrain.com/jets



“ I absolutely love my JM-2900. It's a serious next level investment for me, and it's been a game changer for my drain cleaning. ”
Mary Anne Bowcott, The Lady Plumber

Key Features

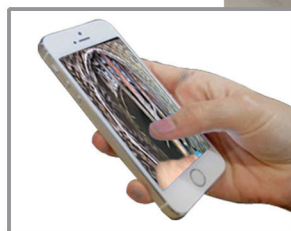
- Easily maneuverable gas jet is great for maintenance work.
- 389 cc (13 hp) engine with low oil shut off.
- 3000 psi, 4 gpm pump with Vibra-pulse®.
- 200 ft. capacity hose reel with reel brake.
- Rides on two "flat-free" foam core tires and heavy-duty frame.
- Optional Cart-Reel for clearing indoor drains.

Gen-Eye POD®

Just Grab it and Go!



Scan to see webpage



“ We handle lots of residential and light commercial work, and I wanted a tough, compact video package to inspect the 1-1/2" to 4" lines of our apartment-maintenance customers. ”

James Capelli,
Capelli Plumbing

Always easy on your back and your budget, the versatile Gen-Eye POD® video pipe inspection system features Wi-Fi inside. Wi-Fi lets you use your own tablet or smartphone to record the inspection via a free app and send it to your customers on the spot or back at the shop.

The lightweight, compact Gen-Eye POD combines camera, reel and monitor in an all-in-one package. You get a large 7" LCD color monitor in a padded case mounted on a flexible gooseneck that swivels to give you the best viewing angle, wherever you're working

Just grab it and go! The full size Gen-Eye POD features a color self-leveling camera and 200 ft. of Gel-Rod® for

trouble-shooting
3" to 10" drain lines.

The compact MINI-POD carries 125 ft. or 175 ft. of push-rod and color self-leveling mini-camera for inspecting 2" to 3" drain lines. The tough steel frame can be operated vertically or horizontally, so you can handle nearly any application.

There's lots more, like the LED Dimmer Control, both AC and DC power cords, 2", 3" and 6" Trap Skids, and a 512 Hz transmitter.

Key Features

- Integral camera system – camera, reel, monitor in an all-in-one package.
- 7" LCD color monitor mounted on a gooseneck for easier viewing.
- Self-leveling color camera automatically keeps the picture right side up.
- Full-size reel carries 200 ft. Gel-Rod® to inspect 3" to 10" lines.
- Mini-reel carries 125 ft. or 175 ft. push-rod to inspect 2" to 4" lines.
- Rugged frame can be operated vertically or horizontally.
- Wi-Fi sends video to smartphone or tablet to record and send to customers.
- 512 Hz Transmitter for easy camera location.

Gen-Eye X-POD Plus®

Plus Battery Adapter, Wi-Fi, and Distance Counter



Scan to see webpage

The Gen-Eye X-POD Plus® sewer camera system includes the Gen-Pack™ battery adapter, Wi-Fi transmitter, and an on-screen distance counter as standard equipment to boost productivity and profitability.

Depending on battery type and settings, the built-in Gen-Pack battery adapter lets you operate the camera system for up to 12 hours in remote locations with limited access to power. Fuse-protected to safeguard your equipment investment, the Gen-Pack battery adapter is also available separately. Compatible with Milwaukee M18 battery or equivalent. Battery and charger are not included.

X-POD Plus makes recording and sharing inspections easier. Your customers can record videos and photos on a flash drive

using the USB port or send the recording to their smartphone or tablet with the built-in Wi-Fi transmitter via a free app.

The on-screen distance counter shows how far the camera has traveled down a line – in feet or meters. And for optimum accuracy, settings can be adjusted for full-size or mini-reel configurations.

The lightweight, popular X-POD systems combine camera, reel, and monitor into one compact package. A durable docking arm supports the Command Module – and permits height and angle adjustments for optimal viewing.



“ The Gen-Eye image was so sharp that we could clearly read the logo on the pipe itself! ”
Keith Walker,
McNeill Plumbing



Key Features

- Integral camera system – camera, reel, monitor in an all-in-one package.
- One-touch video or photo recording on Flash Drive.
- 7" LCD color monitor for easier viewing.
- Gen-Pack battery adapter for remote operation.
- Self-leveling color camera automatically keeps the picture right side up.
- Wi-Fi sends video to smartphone or tablet to record or send via email.
- 512 Hz Transmitter for easy camera location.

Gen-Eye Hot-Spot®

Digital Pipe Locator



Scan to see webpage

The new Gen-Eye Hot-Spot® pipe locator makes locating easier than ever. Its total field antenna array and on-screen icons lead you right to your target, without the long learning curve. Whether you're an experienced pro or a first time user, you can quickly locate inspection cameras, sondes, active power lines and utility lines with pinpoint accuracy. No need to interpret numbers and bar graphs.

The easy-to-see auto backlit LCD display shows you the way with arrows that point you in the right direction every time. Utility line location and active buried power line locating is just as easy.

The Hot-Spot is the industry's most rugged locator. Rated at IP65, it is dust and dirt proof, and water resistant. It passed the one meter drop test and the screen passed the 18" steel ball drop test.



“ I use the Hot-Spot 10 times a week and it's dead-on-the-money 100 percent of the time! ”
Tim Rogers, R-Mech Heating Cooling & Plumbing

Key Features

- **Easy to read display icons** - Lead you to your target. Auto backlight lets you locate in dimly lit areas.
- **Total field antenna array** - Allows you to locate from any direction. Tells you the lay of the pipe.
- **Industry's most rugged locator** - Its IP65 rating is the industry's highest for performing in dusty, dirty or wet jobsite conditions. Passed 1-meter drop test; screen passed 18" steel ball drop test.
- **Superior Battery Life** - Lasts approximately 30 hours – more than twice as long as others. Automatic shutdown feature saves power.
- **Expanded Frequencies** - Locates two sonde frequencies, two power frequencies and four line frequencies (with external transmitter).
- **Simple, menu-based user interface** - No need for multiple screens. Easy-to-access menus make it easier to use than other locators.

A
On-Screen Arrows

No need to interpret numbers and bar graphs. The arrows point you in the right direction.

B
Null Point Icon

All four arrows point back toward each other to indicate the null point and the pipe location.

C
Line Direction Compass

Arrows around the outside of the circle tell you which way to rotate the locator until you are in line with the lay of the pipe.

D
Camera Icon

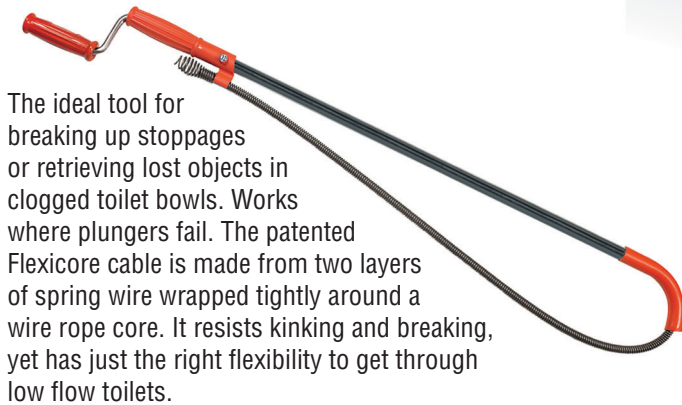
When you're directly over the camera, the diamond appears at the center of the circle. Depth will automatically appear on the screen as well.

Flexicore® Closet Augers

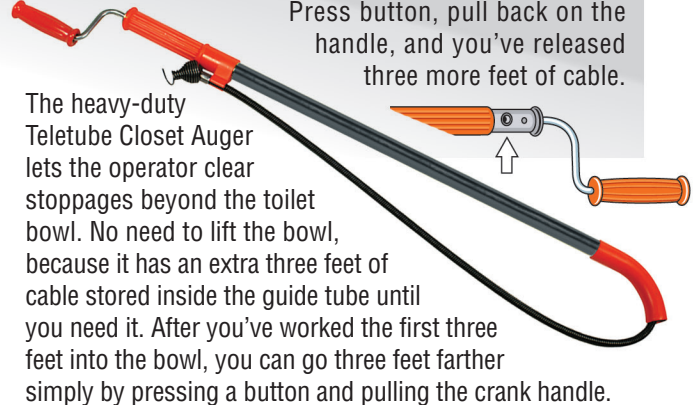
A tough Machine in a Compact Lightweight Package



Scan to see webpage



The ideal tool for breaking up stoppages or retrieving lost objects in clogged toilet bowls. Works where plungers fail. The patented Flexicore cable is made from two layers of spring wire wrapped tightly around a wire rope core. It resists kinking and breaking, yet has just the right flexibility to get through low flow toilets.



Press button, pull back on the handle, and you've released three more feet of cable.

The heavy-duty Teletube Closet Auger lets the operator clear stoppages beyond the toilet bowl. No need to lift the bowl, because it has an extra three feet of cable stored inside the guide tube until you need it. After you've worked the first three feet into the bowl, you can go three feet farther simply by pressing a button and pulling the crank handle.

Both have a vinyl bowl guard that protects the bowl against scratching, and a large grip handle and turning handle for easy operation.

No Wrench Coupler

Closet Auger Bag keeps the closet auger contained and out of sight as it's carried to and from the job.



Down Head

Flexible down head follows bowl contours. It springs through sharply angled passages while protecting the inner walls from chipping and breaking.



Flexicore Cable Double Spring Construction

Two layers of tempered spring steel are coiled tightly over a core of 49-stand wire rope. It gives the tool tremendous resistance to kinking. So tough it carries a one-year warranty against defect or breakage.



Spin Drive®



Scan to see webpage



The Spin-Drive is a lightweight, easy-to-operate, manual drain machine for 2" through 4" drain lines. A comfortable metal handle on the crank turns the cage smoothly on self-aligning oilite bearings mounted on the front and rear of frame. A convenient carrying handle is mounted on the cage for easier portability. Equipped with

Flexicore wire rope center cables, assuring you long life, as well as the strength and flexibility to do a good cleaning job.

X-25 Handy®



Scan to see webpage



This easy-to-use tool clears sinks and bathroom drains smoothly and easily. The patented Quick-Grip™ chuck tightens firmly on the cable with just a quarter turn. Three chuck jaws securely hold 1/4", 5/16" and 3/8" Flexicore® cable for a wide range of small-line jobs. The turning handle and tubular grip handle eliminate wear and tear on hands, making this drain cleaner tool simple to use.

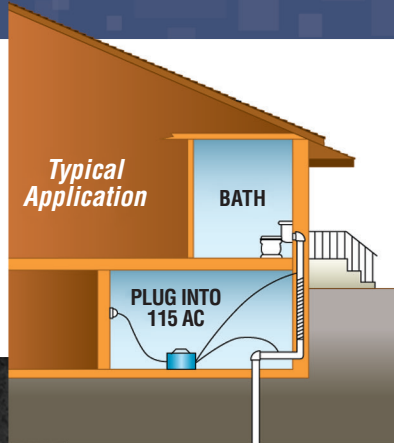
Hot-Shot®

Thaws Frozen Pipes Quickly



Scan to see webpage

No more tearing up floors, breaking through walls, or digging up pipes in frozen ground. Eliminate hazardous blow torches. With the safe Hot-Shot® pipe thawer, you can accomplish the job faster and easier – and save time and money.



Easy to Operate

Just carry the Hot-Shot to the job, attach the clamps to the frozen pipe and plug it into a 115 volt receptacle. In minutes, the frozen pipe will be flowing again. The Hot-Shot 320, weighing in at just 30 lbs., generates 320 amps of thawing power, yet draws just 14 amps. This little unit can quickly thaw 1-1/2" diameter lines up to 100 ft. long.

Hit 'em High; Hit 'em Low

The Hot-Shot 400 clears longer and larger lines with 400 amps of power. It's powerful enough to clear 1-1/2" diameter lines up to 175 ft. long, yet weighs just 31 lbs.

Stuck on a job with only 15 amp breakers? Just flip the switch on the Hot-Shot 400 and the amp draw drops below 14 amps while the unit still delivers 320 amps of thawing power. Safety features like thermal overload protection and circuit breakers are standard equipment.

Key Features (Hot-Shot® 320)

- 320 Amps of thawing power
- Housed in heavy-duty steel boxes
- Thaws 1/2" to 1-1/2" diameter pipes up to 100 feet long
- Draws ONLY 14 Amps
- Thermal overload protection
- Circuit protectors

Key Features (Hot-Shot® 400)

- 400 Amps of thawing power
- Housed in heavy-duty steel boxes
- Thaws 1/2" to 1-1/2" diameter pipes up to 175 feet long
- Draws ONLY 20 Amps
- Thermal overload protection
- Circuit protectors

General's Limited Warranty

General's drain cleaning machines, Jet-Set water jets, Gen-Eye Micro-Scope, Gen-Eye LE Water Leak Locators, Flexi-Rooter, and Cold-Shot Pipe Freeze Kits carry a one-year limited warranty against defect or breakage except as noted below.

Gas engines used on the Jet-Set water jets carry a three-year warranty against defect or breakage. The Hot-Shot pipe thawing machines and all other Gen-Eye Inspection/Location Systems carry a two-year limited warranty (except the LCD monitor which is warranted for one-year) against defect or breakage. Should any part break or fail to work properly within the warranty period following purchase, it will be repaired or replaced at our discretion at no charge.

If a Flexicore® cable or Flexicore® Closet Auger should break within a one-year period, it too will be repaired or replaced at our expense, the choice to be made by us. No adjustment can be made on kinked cables. Also, no adjustment can be made where there is considerable wear at the point of the break, or if a hand cable is used in a power machine. The General TU4 urinal auger cable is not Flexicore and thus is not covered under the one year warranty.

Some parts, such as cutters, leaders, push rods, flexible shaft, jet hoses and nozzles are subject to severe wear and are repaired or replaced within one-year only if a flaw in the material causes the breakage.

"G", "L", and "R" type sectional cables are covered by a 90 day warranty, in accordance with the terms outlined above.

Damage due to negligence, rust, exposure to corrosive chemicals, improper usage, failure to follow instructions, accidents, or alteration from original design is not covered under this warranty.

In order to handle any adjustment with a minimum of delay, please follow this procedure:

- 1.** Return the part to your distributor, and have them notify us immediately with complete information about the problem.
- 2.** For power machines, we must have the serial number, the date of purchase, and the name of the distributor from whom your machine was purchased. To activate your warranty, your warranty card must be filled out and sent to us immediately after your machine is purchased.
- 3.** We will then advise your distributor if the part should be returned to us and assign a return merchandise authorization (RMA) number. Ship freight prepaid, and you will be compensated for those charges if it is determined that the part is defective. If repairs are necessary due to conditions beyond our control, or if the item is out of warranty, we will do the work at the lowest possible cost, but a charge will be made.

This warranty is made in place of other warranties, expressed, statutory or implied, including those of merchantability and of fitness for purpose. General shall not be responsible for any incidental or consequential damages.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states allow exclusion of limitation of incidental or consequential damages, so these limitations may not apply to you.

General Wire Spring Co.

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