

General PIPE CLEANERS



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

www.drainbrain.com


MADE IN USA

Power Drain Cleaner Comparison Chart

	Typical Applications	For Use in Following Pipe Sizes	Maximum Capacity	Operating Weight	Maximum Recommended Distance	Motor Horsepower
Super-Vee Power-Vee Handylectric Pages 4 – 8	Sinks, Bathtubs, Roofstacks	1-1/4" – 3" 30 mm x 75 mm	35 ft. x 3/8" or 50 ft. x 1/4" or 5/16" 10.5 m x 9.5 mm or 15 m x 7.9 mm	16 lbs. with 25 ft. x 3/8" 7 kg	50 ft. 15 m	3.2 amp
Drain-Rooter Page 9				29 lbs./13 kg		
Drain-Rooter PH Page 9				34 lbs./15 kg		
Mini-Rooter Pro Pages 10 – 11	Small Drains, Inside Work, On Roofs	2" – 3" and most 4" 30 mm – 100 mm (Not For Roots)	75 ft. x 1/2" or 3/8" 22.5 m x 12.7 mm	62 lbs. With 75 ft. x 3/8" 28 kg	75 ft. 22.5 m	1/3 hp
Mini-Rooter XP Pages 12 – 13	Small Drains, Inside Work, On Roofs	2" – 3" and most 4" 30 mm – 100 mm (Not For Roots)	75 ft. x 1/2" or 3/8" 22.5 m x 12.7 mm	92 lbs. With 75 ft. x 3/8" 42 kg	75 ft. 22.5 m	1/3 hp
Sewerooter T-3 Pages 14 – 15	Small Drains, Inside Work, On Roofs (Not For Roots)	2" – 3" and most 4" 50 mm – 100 mm	100 ft. x 1/2" 30 m x 12.7 mm	115 lbs. 52 kg	100 ft. 30 m	1/3 hp
The Metro Pages 16 – 17	Combination Sewerooter T-3 and Maxi Rooter	3" to 10" 75 mm – 250 mm	50 ft. x 3/4" or 75 ft. x 5/8" or 100 ft. x 9/16" 15 m x 19 mm or 22.5 m x 15.8 mm or 30 m x 14.2 mm	153 lbs. with 75 ft. 69 kg	150 ft. 45 m	1/3 hp
Speedrooter 92 Pages 18 – 19	Combination Sewerooter T-3 and Maxi-Rooter	3" – 10" 75 mm – 250 mm	100 ft. x 3/4" or 5/8" 100 ft. x 1/2" 30 m x 19 mm or 30 m x 12.7 mm	239 lbs. 108 kg	200 ft. 60 m	1/2 hp Optional 3/4 hp
Maxi-Rooter Pages 20 – 21	Heavy Duty, Roots, Sand, Rags, Industrial Plants	3" – 10" 75 mm – 250 mm	125 ft. x 3/4" or 150 ft. x 5/8" 37.5 m x 19 mm or 45 m x 15.8 mm	250 lbs. 114 kg	200 ft. 60 m	3/4 hp
I-95 Pages 22 – 23	Small Drains, Inside Work, On Roofs	1-1/4" – 4" 30 mm – 100 mm (Not For Roots)	Not Applicable	42 lbs. Without Sections 19 kg	125 ft. x 5/8" cable 150 ft. x 7/8" cable 38 m x 15.8 mm 45 m x 22.4 mm	1/3 hp Optional 1/2 hp
Root 66 Pages 24 – 25	Small Drains, Inside Work, On Roofs	1-1/4" – 4" 30 mm – 100 mm	Not Applicable	42 lbs. Without Sections 19 kg	125 ft. x 5/8" cable 150 ft. x 7/8" cable 38 m x 15.8 mm 45 m x 22.4 mm	1/2 hp
Model 88 Pages 26 – 27	Heavy Duty, Roots, Sand, Rags, Industrial Plants	3" – 10" 75 mm – 250 mm	Not Applicable	80 lbs. Without Sections 36 kg	200 ft. 60 m	3/4 hp
Rodrunner Pages 28	Heavy Duty, Roots, Sand, Rags, Industrial Plants	3" – 10" 75 mm – 250 mm	Not Applicable	90 lbs. Without Sections 41 kg	200 ft. – 60 m 300 ft. – 90 m	3/4 hp
Rodrunner "E" Pages 29	Heavy Duty, Roots, Sand, Rags, Industrial Plants	3" – 10" 75 mm – 250 mm	Not Applicable	185 lbs. Without Sections 84 kg	500 ft. – 150 m	6.5 hp Gas Engine
Jet-Set JM-2512	Grease, Sand, Soft Stoppages, and Ice	1/2" hose – 4" thru 12" 100 mm x 300 mm	400 ft. x 1/2"	1900 lbs. (862 kg)	400 ft. x 1/2" hose 120 m x 12.7 mm	24 hp Gas Engine
JM-3080		3/8" hose – 4" thru 8" 100 mm x 200 mm	300 ft. x 3/8"	375 lbs. (170 kg)	300 ft. x 3/8" hose 90 m x 9.5 mm	20 hp Gas Engine
JM-3055		1/4" hose – 2" thru 4" 50 mm x 100 mm	300 ft. x 3/8"	299 lbs. (135 kg)	200 ft. x 1/4" hose 60 m x 6.4 mm	16 hp Gas Engine
JM-3000		1/4" hose – 2" thru 4" 50 mm x 100 mm	300 ft. x 3/8"	291 lbs. (132 kg)	200 ft. x 1/4" hose 60 m x 6.4 mm	13 hp Gas Engine
JM-2900		1/4" hose – 2" thru 4" 50 mm x 100 mm	200 ft. x 3/8"	180 lbs. (82 kg)	200 ft. x 3/8" 60 m x 6.4 mm	13 hp Gas Engine
JM-1450 Pages 34 – 43		1/8" hose – 1-1/2" thru 2" 38 mm x 50 mm	150 ft. x 1/4"	111 lbs. (50 kg)	75 ft. x 1/8" hose 22.5 m x 3.2 mm	1-1/2 hp 13 amp

Use 1/4" Cable in 1-1/4" – 2" Lines ■ 5/16" Cable in 1-1/2" – 2" Lines ■ 3/8" Cable in 2" – 3" Lines ■ 1/2" and 9/16" Cable in 3" – 4" Lines (Not Roots)
5/8" Cable in 3" – 6" Lines ■ 3/4" Cable in 4" – 10" Lines ■ 5/8" Sectional in 1-1/4" – 3" Lines ■ 7/8" Sectional in 2" – 4" Lines ■ 1-1/4" Sectional in 3" – 10" Lines

General's Limited Warranty & Index

General's drain cleaning machines, Jet-Set water jets, Gen-Eye Micro-Scope, Gen-Ear LE water leak locators, and Cold-Shot Pipe Freezing Kits carry a one year limited warranty against defect or breakage except as noted below.

The Hot-Shot pipe thawing machines and all other Gen-Eye Pipe Inspection/Location Systems carry a two year limited warranty (except the LCD Monitor, DVDR, and SD Card Reader which are warranted for one year) against defect or breakage except as noted below. 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 during this 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, since a kink is evidence of abuse and results from the use of too much pressure or use in too large a line. 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.

Some parts, such as cutters, leaders, push rods, 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 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 by this warranty.

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

1. Return the part to your wholesaler, and have them notify us immediately with complete information on the problem.
2. On power machines, we must have the serial number, the date of purchase, and the name of the wholesaler from whom your machine was purchased. To activate your machine warranty, your warranty card must be filled out and sent to us immediately after your machine is purchased.
3. We will then advise your wholesaler 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 these 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 do not allow the exclusion of limitation of incidental or consequential damages, so these limitations may not apply to you.

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General Wire Spring Co.

1101 Thompson Avenue
McKees Rocks PA 15136 USA
www.drainbrain.com

Super-Vee™

The Small Line Specialist

The Super-Vee™ offers you a complete system for cleaning drain lines 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, you release or engage the cable – without the need for a chuck, and with automatic adjustment for different diameter cables. As a result, you get your cable into the line faster, pull it out faster, and have 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.



Flexicore® Cable Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870



Handy-Stand

A convenient portable work stand for the Super-Vee. It can also be used for the Power-Vee or Handylectric.



Slide Action Chuck and Cartridge Refill Cables

Cartridge Refill

Change cables faster by changing cartridges. They're convenient, clean, and inexpensive.



Specifications:

Motor:

All ball-bearing, double-insulated, reversible motor with variable speed control; 0-500 rpm. 230 and 240 volt units available.

Drum:

Heavy gauge stamped aluminum with inner drum to prevent cable tangling.

Capacity:

50 ft. of 1/4" or 5/16" cable; 35 ft. of 3/8" cable. All cables are left hand wound and reinforced with a wire rope center.

Cutter Set:

See page 30.

Cable Cartridges:

Light weight, impact resistant plastic.

Slide Action Chuck:

Grip shield moves back to engage cable, forward to release it. Automatically adjusts for different diameter cables.



1 Slide Grip Shield **Forward** to release cable.



2 Pull cable out of drum.

3 Slide Shield **Back** to grip cable.



4 Run cable into line and repeat. **It's that quick!**

Power-Vee™

With Power Cable Feed – Works Great in Tight Spots

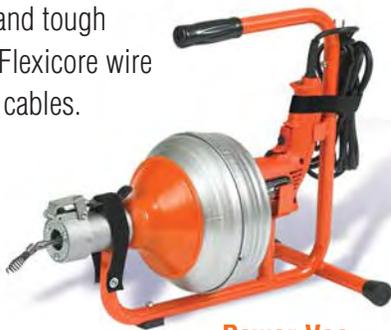
When working under sinks or in other awkward places, the Power-Vee™ is like having an extra hand. Just squeeze the feed lever, and three offset rollers in the automatic feed grip the cable and drive it into the line.

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.

The Power-Vee includes Quick-Change Cable Cartridges and tough left-wound Flexicore wire rope center cables.



**Power-Vee
Handy-Stand**





Flexicore® Cable
Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870

Cartridge Refill

Change cables faster by changing cartridges. They're convenient, clean, and inexpensive.



MCC
Carrying Case

For Super-Vee, Power-Vee and Handyletric.

Specifications:

Motor:

All ball-bearing, double-insulated, reversible motor with variable speed control; 0-500 rpm. 230 and 240 volt units available.

Drum:

Heavy gauge stamped aluminum with inner drum to prevent cable tangling.

Capacity:

50 ft. of 1/4" or 5/16" cable; 35 ft. of 3/8" cable. All cables are left hand wound and reinforced with a wire rope center.

Cutter Set:

See page 30.

Cable Cartridges:

Light weight, impact resistant plastic.

Power Cable Feed:

Feeds and retrieves cable at up to 16 ft./min. Handles 1/4" to 3/8" cables without need for adjustment.



Handylectric™

Economical Price – Quality Features

The Handylectric is a tough, easy to use tool for cleaning lines up through 3". It can use all of the accessories available for the Super-Vee, except the plastic cartridges.

Cables are gripped securely by a collet chuck equipped with a Chuck Tightening Handle, for easy tightening even with slippery hands.

The variable speed control motor lets you start at low speed to eliminate starting "kick". Then run at whatever speed is best for the job.

The large, comfortable Grip Shield makes handling easier. The stamped aluminum drum can't rust or crack and is extremely resistant to dents.

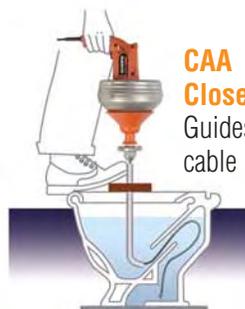


Handylectric
Handy-Stand



MCC
Carrying Case

For Super-Vee,
Power-Vee
and Handylectric.



CAA
Closet Auger Attachment

Guides 1/4" or 5/16"
cable into bowl.



Specifications:

Motor:

All ball-bearing, double-insulated, reversible motor with variable speed control; 0-500 rpm. 230 and 240 volt units available.

Drum:

Heavy gauge stamped aluminum with inner drum to prevent cable tangling.

Capacity:

50 ft. of 1/4" or 5/16" cable; 35 ft. of 3/8" cable. All cables are left hand wound and reinforced with a wire rope center.

Cutter Set:

See page 30.

Chuck:

Patented collet-type with tightening handle.

Grip Shield:

Makes handling easier.



Drain-Rooter PH™

The Clean Machine

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.

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 guide tube doubles as a feed control. It allows the operator to feed or retrieve the cable with a simple flick of the wrist.

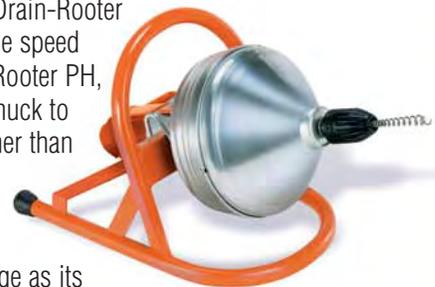
The drum speed can be varied by changing the pressure on the foot pedal, making it easier to thread the boring head through strainers. The Drain-Rooter PH can be operated in both horizontal and vertical positions to get closer to the drain opening. A quick-change cartridge system allows you to switch 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. Units with 3/8" cable include our five piece HECS cutter set. Of course, the cables are super-tough Flexicore® with a wire rope center.



Drain-Rooter™ Economy Drain Cleaner

The less expensive Drain-Rooter has the same variable speed motor as the Drain-Rooter PH, but uses a Jacobs chuck to secure the cable rather than a power cable feed. It has the same capacity and quick-change cable cartridge as its big brother.



Specifications:

Weight:

22 lbs. (10 kg).

Dimensions:

22" deep x 13-1/2" wide x 15" high (without hose).
(56 cm x 34 cm x 38 cm)

Drum:

Heavy gauge stamped aluminum with inner drum to prevent cable tangling.

Capacity:

50 ft. of 1/4" or 5/16" cable; 35 ft. of 3/8" cable. All cables are left hand wound and reinforced with a wire rope center.

Power Cable Feed:

Variable speed with feed control tube.
Drives 1/4", 5/16", and 3/8" cables.

Cutter Set:

See page 30.

Motor:

All ball-bearing, double insulated, reversible motor with variable speed control; 0-500 rpm. 230 and 240 volt units available.

Foot Pedal:

Pneumatic foot pedal controls variable speed motor.
Leaves operator's hands free to control cable.



Mini-Rooter Pro™

Now with Wheels and Folding Handle

Now with wheels and folding handle. The Mini-Rooter Pro clears drains from rooftop to basement, including kitchen, bath, and laundry drains. And it's portable too: Built-in wheels make it easier for you to transport the Pro to and from the job, and the folding handle allows for compact storage in your truck.

This inexpensive, lightweight machine has lots of time-saving features. For instance, you can remove the drum in seconds for more portability or to switch to a different diameter cable – with no mess and no lost time. A distributor tube inside the drum allows you to feed cable in and out without chucking and releasing the cable every few feet – so you finish quicker. An optional Power Cable Feed drives and retracts the cable at up to 16 feet per minute.

The drum carries up to 75 ft of 3/8" cable to clear 2" to 3" lines, or 1/2" cable for heavier work in 4" lines. For small drain work, you can order your Mini-Rooter Pro with a J-Drum for handling smaller, more flexible cables.

Some Mini-Rooter Pro safety features: A foot pedal that uses air pressure to start and stop the machines, with no



electrical wiring between the pedal and motor, a ground fault circuit interrupter, and a high impact plastic guard covering the motor pulley.

Power Cable Feed

A variable speed Power Cable Feed (optional) drives and retracts the cable at up to 16 feet per minute. Quickly adjusts between 3/8" and 1/2" cables without the need for tools or additional parts. Swings out of the way to make drum changing as easy as ever. For smoother performance, switch to the XP drum with inner drum cage.



Catalog Number PO-MR

Flexicore® Cable

Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870





J-Drum

With a J-Drum, you're ready for small drain work in seconds. Equipped with a collet chuck with tightening handle. Will hold any Super-Vee cable.

Catalog Number MR-250

Built-in Dolly

Six inch semi-pneumatic wheels roll easily over rough terrain to and from the job.

Folding Handle

The handle is tall enough to make it easy to roll to the job, yet it can be quickly folded to take up less room in your truck.



Removable Drum

You can take the drum off the Mini-Rooter Pro.



Specifications:

Weight:

43 lbs. (19.5 kg) without cable.

Dimensions:

20" D x 16" W x 38" H.
(20" H with handle folded)
(51 cm x 41 cm x 46 - 51 cm).

Drum:

Capacity of 75 ft. of 3/8" or 1/2" Flexicore wire rope center cable. Integral distributor tube. Quickly removable from frame.

J-Drum:

Capacity of 50 ft. of 1/4" or 5/16" Flexicore cable.

Cutter Set:

See page 30.

Motor:

1/3 hp, with forward-off-reverse switch, spring-loaded mounting for proper belt tension.

Load Speed:

165 rpm.

Belt Guard:

High impact plastic.

Power Cable Feed

(Optional) Drives 1/2" and 3/8" cables. For smoother performance, switch to the XP drum with inner drum cage.

Foot Pedal:

Leaves operator's hands free to control cable. Uses air pressure, so there's no electrical contact between pedal and motor.

Power Cord:

10 ft. 3-wire vinyl covered with molded plug. In-line Ground Fault Circuit Interrupter.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.



Mini-Rooter XP™

Extra Portability and Performance

The Mini-Rooter 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 drum easily holds 75 feet of 3/8" or 1/2" cable and features a free floating inner drum with an integral distributor tube to help prevent cable tangling. By switching to the optional J-Drum you can handle smaller drain lines.

You'll want to equip your XP with a Power Cable Feed too. It makes a lot of tough jobs go much easier. Even with the power cable feed option, the drum is a snap to remove, taking less than a minute.

Of course the XP comes with an air foot pedal and Ground Fault Circuit Interrupter for safety, and General's patented Flexicore wire rope center cable for durability.



Flexicore® Cable **Wire Rope Center Construction**

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870



Power Cable Feed

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

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 truck.



J-Drum

With a J-Drum, you're ready for small drain work in seconds. Equipped with a collet chuck with tightening handle. Will hold any Super-Vee cable.

Catalog Number MR-250

Specifications:

Weight:

67 lbs. (30 kg) with power feed and without cable.

Dimensions:

24" deep x 18" wide x 38" high with handle folded down.
(61 cm x 46 cm x 96 cm)

Drum:

Equipped with inner drum cage and distributor tube to prevent cable tangling under load. Quickly removable from frame.

J-Drum:

Capacity of 50 ft. of 1/4" or 5/16" Flexicore cable.

Wheels:

8" semi-pneumatic tires with oilite bronze bushings.

Folding Handle:

Reduces storage space.



Cutter Set:

See page 30.

Motor:

1/3 hp with forward-off-reverse switch, spring-loaded mounting for proper belt tension. Load speed 165 rpm.

Power Cable Feed:

Drives 1/2" and 3/8" cables.

Foot Pedal:

Leaves operator's hands free to control cable. Uses air pressure, so there's no electrical contact between pedal and motor.

Power Cord:

10 ft. 3-wire. In-line Ground Fault Circuit Interrupter.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.

Sewerooter T-3™

For Inside Jobs; with a 100 Foot Capacity

The Sewerooter T-3 combines large capacity with great portability. The drum holds 100 ft. of 1/2" cable, which is fed into the line with a smooth-operating variable speed Power Cable Feed attachment. The machine rolls on big 8" wheels, has a tough but lightweight tubular frame, and a tall folding handle with a truck loading wheel that makes it easy to move around. And the passive brake holds the machine in position on the job or in your truck.

Other important features include a quickly removable drum and a 1/3 hp motor with capacitor. Like all General's floor models, the Sewerooter T-3 offers you the safety of a fully grounded electrical circuit, a pneumatic foot pedal and reverse switch with an "Off" position, plus a Ground Fault Circuit Interrupter.



Flexicore® Cable

Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870



Power Cable Feed

The Sewerooter T-3's power cable feed is a real labor saver. It enables you to vary feeding speed in and out of a line more easily than you could manually and also gives you better control when working through tough stoppages. In addition, you can reverse instantly if you hit an obstruction. The power cable feed drives 1/2" and 3/8" cables.

Folding Handle



Guide Tube

Greatly increases the efficiency of units equipped with power cable feed attachments by reducing cable whipping and drag. In addition, when it's difficult to get the machine close to the drain opening, a Cable Guide Tube and extension can literally take you out of the hole. Tube is about 30" long and 1" in diameter. Five foot extensions are made of rigid conduit with a flexible end.

Specifications:

Weight:

61 lbs. (28 kg) less cable.

Overall Height:

37" (94 cm); 25" (54 cm) with handle folded down.

Drum:

Equipped with inner drum and guide tube to prevent cable tangling under load. Cable can be driven or retracted from line while cable is rotating. Quickly removable from frame.

Capacity:

100 ft. (30 m) of 1/2" (12.7 mm) Flexicore wire rope center cable. Use 1/2" cable for 3" – 4" lines; 3/8" cable for 2" – 3" lines.

Motor:

1/3 hp heavy duty, capacitor-type with reverse.

Load Speed:

167 rpm.

Wheels:

8" semi-pneumatic tires with oilite bronze bushings. Passive brake locks wheels during operation.

Foot Switch:

Pneumatic, with no electrical contact between pedal and motor.

Power Cord:

20 ft. 3-wire. In-line Ground Fault Circuit Interrupter.

Bearings:

Oilite bronze.

Power Cable Feed:

Feeds and retracts cable at variable speed by moving control handle up or down.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.

Standard T-3 Cutter Set:

Flexible Leader, Arrow Head, 1-1/2" U-Cutter, 2" Side Cutter Blades, 3" Side Cutter Blades, 4" Side Cutter Blades, 3" Rotary Saw Blades, and Retrieving Tool.

Cables:

1/2" diameter for 3" – 4" lines (Not for roots.)
3/8" diameter for 2" – 3" lines.



The Metro™

Root Cutting Power at a Great Price



The Metro is a tough root cutting machine in a compact, lightweight package, at a price that's easy on tight budgets. With 75 feet of 5/8" cable it handles roots and other difficult obstructions in 3" to 6" lines – ideal for drain cleaners, plumbers, contractors and building maintenance. This easy-to-use, one-person operation machine is light enough to take down to the basement or up on the roof.

The Metro has many of the features of the bigger capacity root cutting machines, including a variable speed Power Cable Feed that drives and retracts 9/16", 5/8", and 3/4" cable at up to 20 ft. per minute. The heavy-duty powder coated steel drum holds 100 ft. of 9/16" cable for inside lines, 75 ft. of 5/8" cable for roots, or 50 ft. of 3/4" cable for tough jobs. Plus, it features a unique self-aligning Flexitube™ distributor tube to reduce cable tangling.

The Metro's heavy-duty reinforced frame and drum support shaft takes rough handling in the field. The 1/3 hp capacitor motor has plenty of power to drive more than 100 ft. of cable. A passive brake system holds the machine in place on the job or in your truck. The ten-inch heavy-duty wheels and a truck loading wheel make it easier for you to transport the machine to and from the job. A cutter holder on the frame keeps all the cutters within easy reach.



Flexicore® Cable

Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870





Power Cable Feed

The Metro's Power Cable Feed is a real labor saver. It enables you to vary feeding speed in and out of the line, and gives you better control when working tough stoppages. Easily handles 9/16", 5/8", and 3/4" cables.



Handle and Stair Climber

Ten-inch heavy-duty semi-pneumatic wheels roll easily over rough terrain to and from the job. Truck loading wheel in the handle makes it easy for one person to lift the machine onto a truck bed.

Folding Handle

The handle is tall enough to make it easy to move to the job, yet quickly folds to take less room in your truck.



Specifications:

Weight:

92 lbs. (42 kg) without cable.

Dimensions:

27" (68.5 cm) deep x 18-1/2" (47 cm) wide x

46" (117 cm) high

26" (66 cm) high with handle folded down

Drum Capacity:

50 ft. x 3/4" (15 m x 19 mm)

75 ft. x 5/8" (22.5 m x 15.8 mm)

100 ft. x 9/16" (30 m x 14.2 mm)

Drum Removal:

Remove one bolt and slide drum off shaft.

Motor:

1/3 hp with capacitor start, forward-off-reverse switch,

20 ft. power cord and ground fault circuit interrupter.

Foot Switch:

Pneumatic, with no electrical contact between pedal and motor.

Power Cable Feed:

Drives and retracts cable at variable speed without having to reverse motor rotation.

Wheels:

10" semi-pneumatic heavy-duty with ball bearings.

Wheel brake:

Passive wheel brake system holds the machine in place on the job and in the truck.

Truck Loading Wheel:

Enables one person to lift machine into truck bed.

Cutter Holder:

Cutter Holder on the frame keeps all the cutters within easy reach.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.

Cables:

Left-wound Flexicore wire rope center. 3/4" for 4" to 10" lines and 3" lines without sharp bends; 5/8" diameter for 3" to 6" lines; 9/16" diameter for 3" to 4" lines. (Not for roots.)



Speedrooter 92™

Job Tested Tough

Contractors know that the Speedrooter really can take a beating – from its frame braced at key stress points, to General's exclusive Flexicore® wire rope center cable that's so tough it carries a one-year warranty.

The Speedrooter 92's field tested design offers easy handling. One person can easily load it onto a truck, as the machine slides smoothly from the loading wheel to the handle to the stair climbers and finally to the wheels. The adjustable height handle can be reset to be three inches longer, or more compact, depending upon your preference.

With the driving and pulling power for long, tough jobs, General's Power Cable Feed easily handles 3/4", 5/8", and 1/2" cables. To adjust to different cable sizes, simply turn the knob on top of the feed.

A large drum holds 100 feet of 3/4" or 5/8" Flexicore® cable. For smaller lines, you can switch to a small drum that holds 100 feet of 1/2" cable. Both drums have a see-through inner cage, so you can quickly see how much cable is left in the drum.



Portability, Convenience, and Safety

Equipped with ten-inch wheels, stair climbers, tool box, and Ground Fault Circuit Interrupter.



Stair Climbers

V-Belt and stair climbers let you take the Speedroooter up a flight of stairs yourself.



Truck Loaded Wheel

One person can easily load the machine onto the truck.

Small Drum

Holds up to 100 ft. of 1/2" Flexicore cable.



Specifications:

Weight:

115 lbs. (52 kg) without cable.

Dimensions:

26" deep; 22" wide; 41" high, (66 cm x 56 cm x 104 cm).

Interchangeable Drums:

A smaller V-belt is required to drive smaller drum and is standard equipment with PS92-A.

Large Drum:

Equipped with inner drum cage; holds 100 ft. x 3/4" or 5/8" cable.

Small Drum:

Equipped with inner drum; holds 100 ft. of 1/2" cable.

Drum Removal:

Loosen two knobs, remove ringbolt and lift off.

Motor:

1/2 hp with capacitor start, overload protection, and forward-off-reverse switch. 20 ft. power cord and Ground Fault Circuit Interrupter.

Load Speed:

170 rpm.

Wheels:

10" semi-pneumatic heavy-duty with ball bearings. Brake locks wheels during operation.

Foot Switch:

Pneumatic, with no electrical contact between pedal and motor.

Power Cable Feed:

Drives or retracts cable with variable speed at up to 20 ft./min. without having to reverse motor rotation.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.

Cutters:

See Parts and Accessories on page 30.

Cables:

3/4" diameter for 4" to 10" lines and 3" lines without sharp bends; 5/8" diameter for 3" to 6" lines; 1/2" diameter for 3" to 4" lines. (Not for roots.)

Truck Loading Wheel:

Enables one person to lift machine onto bed of truck.

Tool Box:

Attached to rear of machine.

Stair Climbers:

V-belts running on nylon rollers.



Maxi-Rooter™

Root Cutting Power Plus Big Capacity

The Maxi-Rooter combines root cutting power and big capacity in a surprisingly portable machine.

A heavy-duty 3/4 hp motor with capacitor start and over-load protection drives a drum that can hold 125 ft. of 3/4" cable or 150 ft. of 5/8" cable.

The frame is a tough aluminum alloy.

Look at the portability that goes with that power and capacity. The Maxi-Rooter rolls on 10" ball-bearing semi-pneumatic wheels and has V-belt stair climbers for easier transport up and down stairs.

A truck loading wheel mounted on the handle is almost like having another person helping you when you lift the machine into a truck. In addition, we've made it easy for you to remove the drum if you should want to transport the Maxi-Rooter in two parts.

Maxi-Rooter's power cable feed not only drives the cable into the line but has the pulling power to retract it, even on long, tough runs. Without reversing the cable rotation, you instantly can alter feeding speed to match the resistance in the line. Chew into stoppages as slowly as one inch per minute and retract the cable as quickly as twenty feet per minute.

The Maxi-Rooter has a surprisingly slim 23" profile that lets you work in some very tight spots. You can get the machine through just about any door you're likely to run into, with room to spare.



Another important help to you is a see-through inner drum cage so you can tell how much cable is in the drum. For electrical safety, the foot pedal is air actuated, eliminating electrical contact between pedal and motor. Equally important, a Ground Fault Circuit Interrupter senses current leakage and will shut down the machine before an operator suffers an electric shock.



Lift Handles

For easy truck loading, tip the Maxi-Rooter on its loading wheel, then lift and slide into truck using lift handle on front leg of machine.



Convenient Tool Box

A tool box large enough to hold a set of cutting heads and some tools is built into the back of the Maxi-Rooter.



Flexicore® Cable

Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870

Specifications:

Weight:

136 lbs. (62 kg) without cable.

Dimensions:

27" deep; 23" wide; 42" high, (68 cm x 58 cm x 107 cm).

Drum:

Capacity of 129 ft. (39 m) of 3/4" or 154 ft. (46 m) of 5/8" cable. Includes 4 ft. of drum connecting cable.

Motor:

3/4 hp heavy duty with capacitor start and forward-off-reverse switch; 20 ft. power cord with molded plug (3-wire, 16 gauge) and Ground Fault Circuit Interrupter.

Load Speed:

160 rpm.

Wheels:

10" semi-pneumatic heavy-duty tires with ball bearings.

Wheel Brake:

Locks machine in place on the job.

Foot Switch:

Pneumatic with no electrical contact between pedal and motor.

Power Cable Feed:

Variable speed feed drives and retracts cable at 0-20 ft. per minute.

Leather Gloves:

With double-reinforced palm for hand protection when guiding cables.

Cutters:

See page 30.

Cables:

3/4" diameter for 4-10" lines and 3" lines without sharp bends. 5/8" diameter for 3-6" lines.

Cable Guide Tube:

See page 32.

Truck Loading Wheel:

Makes it easier to lift machine onto bed of truck.

Tool Box:

Can hold a full cutter set, except for leader.

Stair Climbers:

V-Belts running on nylon rollers.



I-95™

It's Three Machines in One

Here's a sectional cable machine that drives 7/8" and 5/8" sections – or even 5/16" cables for small drain work. You switch from 7/8" to 5/8" and back by repositioning the chuck cone. No adapter required. Attach a small drum to the back of the machine to drive smaller cables.

The I-95 gives you power and convenience. The motor is a 1/3 hp capacitor type, so it delivers plenty of torque to the cables. Yet, as soon as you lift the drive handle, the cable stops rotating, so there's no additional torque build up.

You also use the drive handle to carry the machine. And when it's in position on the job, its four point base gives it rock-solid stability. A cutter holder is attached to the back of the I-95, so your cutting heads are always with the machine. A Ground Fault Circuit Interrupter is standard equipment.



Clear 1-1/2" – 2" lines with 5/16" x 25' cable.



15R10-P Proflex® Cable.

Optional 7/8" sectional cable (15R10-P) with Proflex inner core gives cable more strength for cutting through difficult stoppages.



Clear 2" – 3" lines up to 125 feet long with 5/8" x 7-1/2' sections or 4" lines up to 150 feet long with 7/8" x 15' sections.



I-95 Accessories

Includes cable carriers, drums for small drain work, a rear guide hose, and a tool box – standard on 7/8" cable units.

Transportable

Light weight I-95 is easy to carry up a ladder.

Specifications:

Weight:

39 lbs. (18 kg).

Dimensions:

16" deep; 14" wide; 17" high (41 cm x 35 cm x 43 cm).

Motor:

1/3 hp capacitor type with forward-off-reverse switch, ten-foot power cord, and Ground Fault Circuit Interrupter. Rotates cables at 400 rpm.

Adjustable Chuck:

Has two sets of notches; one for 5/8" cables and one for 7/8" cables. Switch from one to the other in seconds. Pull down handle to engage, lift to stop. Brake stops spinning drums instantly. Chuck handle also acts as lifting handle.

Chuck Jaws:

Drive both 5/8" and 7/8" cables; also grip drum for smaller diameter cables.



Drum:

Drum holds 25 ft. x 5/16" cable for 1-1/2" to 2" lines, or 35 ft. x 3/8" cable for 2" to 3" lines.

Cables:

"T" slot couplings slide together to lock and uncouple with a pin key. 7.5R8 - 7-1/2 ft. x 5/8" (2.3 m x 15.6 mm) for 1-1/4" through 3" (31 mm – 75 mm) lines up to 125 ft long;

15R10 or 15R10P with Proflex inner core – 15 ft. x 7/8" (4.6 m x 22 mm) for 2" – 4" (50 mm – 100 mm) lines up to 150 ft. long.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.

Cutter Sets:

Cutter Set for 7/8" cables includes Spear Head, 2" U-Cutter, 3" U-Cutter, Hook Auger, and Retrieving Tool.

Cutter Set for 5/8" cables includes Arrow Head, Boring Gimlet, 1-1/2" U-Cutter, and Retrieving Tool.

Root 66™

Uses Sectional Cables for 1-1/4" thru 4"



The Root 66 is a real advance in sectional cable machine design. No mid-range machine has its versatility and power.

Look at its versatility. You can drive 5/8" cables for lines up to 3" and 7/8" cables for 4" lines – and you can switch from one to the other in seconds, without touching the jaws, without an adapter, without tools. And for sink drain work, slip on a drum that holds smaller cables.

To operate, just feed a cable into the line and slide the back end into the machine. The excess cable goes into a guide tube. Turn on the sealed motor, press down on the handle, and the Root 66 starts spinning the cable at 400 rpm.



The cable stops rotating as soon as you lift the handle, so there's no additional torque buildup. When using a drum for small drain work, the drum stops turning when you lift the handle to the neutral position.

The Root 66 has a wide four point base for greater stability. Its interlocking tubular construction also gives it excellent durability. To protect the gears from dirt and for easier cleaning, the machine has two internal plastic shields. A Ground Fault Circuit Interrupter is standard equipment.



"R" Type Sectional Cables for the Root 66

Optional Drum

Hold 5/16" and 3/8" cables for small drain work.



Optional Dolly

A dolly that clamps onto the Root 66 in seconds.



Universal Jaws

Jaws handle both 7/8" cables (shown) or 5/8" cables. No adapter required.

Root 66 Accessories

Includes cable carriers, drum for small drain work, a rear guide hose, and a tool box. (Standard on 7/8" units.)



Specifications:

Weight:

42 lbs. (19 kg).

Dimensions:

16" deep; 14" wide; 17" high (40 cm x 35 cm x 43 cm).

Motor:

Sealed 1/2 hp with forward-off-reverse switch, ten-foot power cord and Ground Fault Circuit Interrupter.

Drum:

Drum holds 25 ft. x 5/16" cable for 1-1/2" to 2" lines, or 35 ft. x 3/8" cable for 2 to 3" lines.

Drip Guards:

Two shields to protect bearings and motor from dirt and moisture.

Clutch:

Pull down two position handle to spin cables at 400 RPM. Lift to stop. Brake stops spinning drums instantly.

Cables:

"T" slot couplings slide together to lock and uncouple with a pin key. 7.5R8 - 7-1/2 ft. x 5/8" (2.3 m x 15.6 mm) for 1-1/4" through 3" (31 mm - 75 mm) lines up to 125 ft long; 15R10 or 15R10P with Proflex inner core - 15 ft. x 7/8" (4.6 m x 22 mm) for 2" - 4" (50 mm - 100 mm) lines up to 150 ft. long.

Cutter Set:

Cutter Set for 7/8" cables includes Spear Head, 2" U-Cutter, 3" U-Cutter, Hook Auger, and Retrieving Tool.

Cutter Set for 5/8" cables includes Arrow Head, Boring Gimlet, 1-1/2" U-Cutter, and Retrieving Tool.

Jaws:

Drive both 5/8" and 7/8" cables without adjustment; also grip containers for smaller diameter cables. Keyed for longer life and less slippage.

Leather Gloves:

With double-reinforced palm, for hand protection when guiding cable.



Model 88™

You Walk While It Works

This machine is almost as easy to run as a lawn mower. You push eight or ten foot cable sections into the line until you reach some resistance. Then attach the rear cable coupling to the machine, stand behind it, and turn it on. Watch the cable feed itself into the line. When a section has run into the drain, attach another one and keep going. This self-feeding feature also works to pull sections out of the line.

The Model 88 handles 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 against sudden torque build-ups.

Sections come in two styles: all-purpose Flexichain, which has a chain center, and the stiffer Proflex, which has a spring center. A chain assures easier cable retrieving if the Flexichain spring should break. The inner spring in the Proflex gives it greater stiffness, which is desirable on long or tough jobs. The outer spring is right-hand wound for faster self-feeding.

Couplings are shown on the next page. Both types snap together in a second and are taken apart quickly with a spanner wrench or screw driver. With the newer "G" connector, no tension is on the locking pin when running in reverse, making it a more durable coupling.

Snap on the 78L-CDC optional adapter, and you can use 6 ft. x 7/8" cables (6L78) to clear smaller lines.



Sectional Cables



Flexichain®
with "G" Connector



Proflex®
with "L" Connector

Four, eight and ten foot "Cable Saver" sections for the Model 88 come in the all purpose Flexichain which has a chain center, and a stiffer Proflex which has a spring center. Proflex is also available with a heavier duty 5/8" spring center. See page 32.



Cable Feeding Tool

It enables cable to get around tight bends and traps by taking advantage of open-wound design of cables. Note that operator controls machine by using power switch in foot pedal mode.



Automatic Safety Clutch

Protects cable and operator in case the cable should get caught in the line. Factory set at 18 – 20 ft. lbs. but can be adjusted easily for very heavy jobs or longer runs.



Pneumatic Power Switch

Air-actuated for safety. There is no electrical connection between switch and motor. Switch can be removed from handle and used as a foot pedal when working with the cable feeding tool.

Folding Handle

Gives Model 88 a low profile for more convenient storage and transport. Lift handle, and locking collars slide into place for secure operation. Handle on front of frame and rear cross bar make lifting and loading into car trunk easier.



No Wrench Coupler

G-CDC Cable Drive Coupler is standard on Model 88 units shipped with sections having "G" couplings. Faster uncoupling at the machine because large knurled ring can be opened instantly without wrench.



Specifications:

Weight:

80 lbs. (36 kg) without cables.

Dimensions:

21" wide x 16" high with handle folded down.
(53 cm x 41 cm)

Motor:

3/4 hp with capacitor and 20 ft. power cord with Ground Fault Circuit Interrupter; rotates 1-1/4" diameter cables at 500 rpm.

Gear Head:

Rugged cast iron body, ball bearings, cut gears.

Wheels:

10" rubber rear wheels, 6" solid rubber caster wheel.

Combination Hand or Foot Operated Power Switch:

Air activated for safety; no electrical connection between motor and switch; can be used as hand or foot switch. Eleven foot air hose.

Power Switch:

Has an "off" position to de-activate the control switch.

Adjustable Safety Clutch:

Factory set at 18 - 20 ft. lbs. Protected by a tamper-resistant snap-on cover.

Folding Handle:

Reduces truck storage space. Flips down in a second but is completely secure in operating position.

See pages 30 – 32 for information on cables and cutters.



Rodrunner™

Self-Feeds Reinforced Sectional Cables

The Rodrunner offers all the features that contractors like in a sectional sewer cleaner – light weight, high speed cable rotation, and short, quick-coupling cables.

Two Way Operation

Set the Rodrunner up close to the drain opening, or on easier jobs where you have some working room, you can run the machine “lawn-mower” fashion, standing behind the machine.

For close-up work, the wheel brake is set, the power switch is placed next to the machine as a foot switch, and the cable guide hose is attached. Now, the Rodrunner is ready to handle the toughest stoppages in 3-10" lines, as far as 200 feet away.

A heavy-duty 3/4 hp motor with capacitor and overload protection spins cable at 485 rpm, an ideal speed for self-feeding into the line while protecting the cable against sudden torque



build-ups. For additional protection, the Rodrunner has an adjustable slip clutch, factory set at 18 – 20 ft. lbs.

An optional set of jaws (R-R10AD) enables the Rodrunner to drive 15 ft. x 7/8" (15R10) cables to clear smaller lines.



Specifications:

Weight:

90 lbs. (41 kg).

Dimensions:

22" wide x 19" high with handle folded down (56 cm x 48 cm).

Motor:

Heavy-duty 3/4 hp with capacitor and 20 ft. power cord rotates cables at 485 rpm. Optional 1 hp motor rotates cables at 400 rpm. Equipped with Ground Fault Circuit Interrupter.

Wheels:

10" rear wheels, 5" caster wheel.

Wheel Brake:

Locks rear wheels in place or releases them in an instant.

Combination Hand or Foot Operated Power Switch:

Air activated for safety; no electrical connection between motor and switch; can be used as hand or foot switch. 11 foot air hose.

Twin V-Belts:

For better power transmission.

Safety Clutch:

An adjustable spring-loaded clutch is mounted at the rear of the cable drive shaft. Accessible without removing machine housing.

Chuck Handle:

Clamps on cable or acts as “dead-man’s throttle”.

Cable Counter:

Manually operated, to record number of cables in line.

Rear Cable Guide Hose:

To limit cable whipping behind machine.

Folding Handle:

Reduces truck storage space.

Cable Sections and Cutters:

See page 30 – 32.



Model "E" Rodrunner™

Drives Municipal Rods or Sectional Cables

The Model "E" gasoline powered Rodrunner is ideal for cleaning long runs up to 500 ft. down the line. It can be coupled to either 10 ft. sectional cables to clear up to 14" lines, or 5/16" municipal rods to clear lines up to 24" in diameter. The operator stands behind the machine and walks cables or rods into line.

It's driven by a powerful 6.5 hp engine with an easily accessible throttle control on the handle. Drive speed is set at 100 to 200 rpm for municipal rods, and 200 to 400 rpm for sectional cables.

The "hot-shift" transmission lets you switch from forward to reverse without the need for a clutch. The long gear shift lever is within easy reach of the operator.

And features like the 3/4" lifetime lubricated drive chain and safety slip clutch to protect cables and rods against excessive torque build-up means low maintenance.



E-MRDC

No-wrench municipal rod coupler.



EG-CDC

No-wrench sectional cable coupler.

Specifications:

Weight:

185 lbs. (84 kg).

Dimensions:

29" wide x 44" long x 40" high (74 cm x 112 cm x 102 cm).
Handle removable for easy storage.

Engine:

6.5 hp Briggs and Stratton 4 cycle with throttle on handle.

Transmission:

Snow and Nabstedt reversing "hot-shift" transmission drives 3/4" lifetime lubricated roller chain. No clutch or throttle needed.

Speed Range:

From 100 rpm to 200 rpm for municipal rods; 200 to 400 rpm for sectional cables.

Slip Clutch:

Protects against excessive torque being applied to cable or rods.
Easily adjustable.

Coil Spring Sections:

1-1/4" x 10 ft. long with inner spring to handle torque better than hollow cables.

Cable Sections and Cutters:

See page 30 – 32.

Municipal Rods and Cutters:

See page 58.

Cutters



 <p>AH Arrow Head Starting Drill For 5/16", 3/8", and 1/2" cable.</p>	 <p>1-1/4" SCB 1-1/4" Side Cutter Blades For cutting and scraping. For 5/16" and 3/8" cable.</p>	 <p>1/4" and 5/16" Down Head Lead cable down the stack – not up. For 1/4" and 5/16" cable.</p>	 <p>1/4" and 5/16" Double Down Head For especially difficult bends. For 1/4" and 5/16" cable.</p>	 <p>1CG and 1-1/2CG Clog Chopper Clears debris, scale, and crystallized urine. For 5/16" and 3/8" cable.</p>
 <p>FAH Flexible Arrow Head For sharp turns in small lines. For 5/16" and 3/8" cable.</p>	 <p>DHBG Down Head Boring Gimlet Goes down waste, not up the stack. For 5/16" and 3/8" cable.</p>	 <p>BG Boring Gimlet For removing loose objects. For 5/16" and 3/8" cable.</p>	 <p>DHF Down Head Fitting Can be used with all standard Handylectric cutters. For 5/16" and 3/8" cable.</p>	
 <p>LE-1 Small Flexible Leader Attach to 1/2" wire rope center snakes to go through "P" traps and other close bends. For 3/8" and 1/2" cable.</p>	 <p>RTR-1 Small Corkscrew Retrieving Tool For removing loose objects. For 3/8" and 1/2" cable.</p>	 <p>1-1/2" U-Cutter For cutting and scraping. For 3/8" and 1/2" cable.</p>	 <p>2CG and 2-1/2CG Clog Chopper Clears debris, scale, and crystallized urine. For 1/2", 5/8" and 3/4" cables.</p>	
 <p>2UC 2" U-Cutter For cutting and scraping. For 1/2", 5/8", and 3/4" cable.</p>	 <p>SCB Side Cutter Blades (Two Piece Set) For cutting and scraping. Furnished in 2", 3", and 4" sizes. For 1/2", 5/8", and 3/4" cable.</p>	 <p>RSB Rotary Saw Blades (Two Piece Set) For cutting and scraping. Furnished in 3" and 4" sizes. For 1/2", 5/8", and 3/4" cable.</p>		

For 5/8" and 3/4" Cable Machines

 <p>SHD Spear Head Starting Drill</p>	 <p>RTR-2 Corkscrew Retrieving Tool For removing loose objects.</p>	 <p>HDSC Heavy Duty Side Cutters In 3" and 4" sizes.</p>	 <p>UC 2", 3", and 4" U-Cutters For cutting and scraping.</p>	 <p>SCB Side Cutter Blades For cutting and scraping. Furnished in 3" and 4" sizes.</p>
 <p>RP-2 Root Ripper Heavy spring screws into root mass, while front hook tears into stoppage. Passes through 4" "P" Traps.</p>	 <p>RSB Rotary Saw Blades For roots and other stoppages. Furnished in 3" and 4" sizes.</p>	 <p>3-6HDEC Heavy Duty Expansion Cutter Can pass through 3" pipe to reach and clean 6" pipe. Can be put through 4" "P" traps.</p>	 <p>4-6 SAC Self Adjusting 4" to 6" Side Cutter Blades Can pass through 4" pipe to reach and clean 6" pipe.</p>	 <p>3CG & 4CG Clog Choppers Maneuverable cutters clears roots, debris, and scale. Available with connector to match General or other brands.</p>
 <p>HDB Heavy Duty Saw Blades For roots and other stoppages. Furnished in 3", 4", and 6" sizes.</p>	 <p>LE-2 – Large Flexible Leader Used with both 3/4" or 5/8" wire rope center cables to go through "P" traps and other tight bends.</p> <p>LE-3 – Large Flexible Leader Used with both 3/4" or 5/8" wire rope center cables to go through "P" traps and other tight bends.</p>	 <p>FB Five Blade Fan Type Digger For digging and removing silt, sand, etc.</p>		



Cutter Set for 7.5R7, 7.5R8 – 5/8" Sectional Cables



R-AH
Arrow Head



R-BG
Boring Gimlet
For removing loose objects.



R-1-1/2 UC
1-1/2" U-Cutter
For cutting and scraping.



R-RTR-1
Corkscrew Retrieving Tool.
For removing loose objects.

Cutter Set for 15R10 – 7/8" Cables



R-HA-10
Hook Auger For breaking up stoppage and retrieving.



R-SHD-10
Spear Head



R-2UC-10
2" U-Cutter
For cutting and scraping.



R-3UC-10
3" U-Cutter
For cutting and scraping.



R-RTR-10
Corkscrew Retrieving Tool
For removing loose objects.

Rodrunner/Model 88 Standard Cutter Set

(Note all cutters illustrated with "G" connector. If ordering with "L" connector, drop "G" prefix and substitute "L". For example: L-SHD.)



G-SHD
Spear Head



G-2UC
2" U-Cutter



G-3HDSC
3" Heavy Duty
Side Cutter



G-4RSB
4" Rotary
Saw Blade



G-3HDB
3" Heavy
Duty Saw Blade



G-RTR2
Retrieving Tool



CW
Coupling Wrench
(Fits both "G" and "L" connectors.)



G-HA
Hook Auger

Rodrunner/Model 88 Standard Cutter Set



G-SC
Spade Cutter
Wide blade with sharp edge.



G-CA
Cutter Adapter
Converts all cutters on page 30-31
for use with "G" connectors.



G-BA
Bulb Auger
Coiled from heavy gauge oil-tempered
wire for use in 4" plastic pipe.

WCC
Wheeled
Cable
Carrier



Holds five
10-ft. sections.



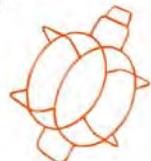
G-FSH
Flex-Spear
Good in 4" "P" traps.



G-CL
Cutter Leader Adds flexibility to front of Proflex cables.



CF
Cable Feeding Tool
(Standard with Model 88)
Helps work cable around
tight bends.



CC
Cable Carrier
Holds five 10-ft. sections.

Accessories



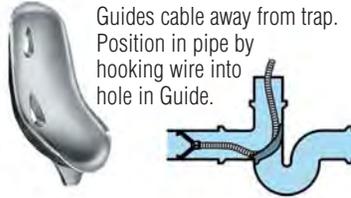
Snake Oil™

Protects your cables better than common lubricants. Its special rust inhibitor cuts through moisture and replaces it with a rust-resistant coating. In addition, Snake-Oil gives your equipment a fresh, clean smell.



SG Cable Starter Guide

Guides cable away from trap. Position in pipe by hooking wire into hole in Guide.



MGT Manhole Guide Tube

Supports drain cables in manholes. Adjusts from 6'2" to 9'4". 4'4" extensions available.



Catalog Number	Description
SOQ	1 Quart Snake-Oil
SOQ-12	12 Quarts Snake-Oil
SOG	1 Gallon Snake-Oil
SOG-4	4 Gallons Snake-Oil



SIG Splash/Impact Goggles

Can be worn over glasses.

QF "Quick Fix" Repair Coupler

Just screw on tightly and it won't come off. For 1/2", 9/16", 5/8", and 3/4" sizes.



FC Butt-Weld Connector

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



FC-O Cup Type Connector

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



RS Repair Sleeve

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



GT Cable Guide Tube

Adds safety when you can't get machine close to drain opening. 30" long x 1" diameter spring.



GTE Guide Tube Extension

Five foot extension attaches to the Cable Guide Tube. Made of rigid conduit with spring end.

Cables

Flexicore® Cable



Wire Rope Center Construction

Heavy-gauge wire coiled tightly around 49-strand aircraft-type wire rope and heat treated. Has unequalled strength and the right amount of flexibility. So tough it carries a one-year warranty against defect or breakage.

Flexicore Patent Nos. 2,244,735 and 2,849,870



General Flexicore® Cable with Male and Female Connector

Sectional Cables

Sections for Model 88 and Rodrunner come in the all-purpose Flexichain which has a chain center, a stiffer Proflex which has a spring center, and a hollow style. Choose from three coupling styles. They snap together in a second and are taken apart quickly with a spanner wrench or uncoupling key. With the more recently developed "G" connector, no torque is put on the locking pin when running in reverse, making it a durable coupling.



Flexichain® Section



Proflex® Cable



"G" Connector Pat. No. 3094011



"L" Connector



15R10-P Proflex® Cable

Kinetic Water Ram™

Open Clogged Pipes with Shock Action!

Here's a compact, lightweight tool for quickly opening clogged sinks, toilets, and tubs. It handles rust, grease, sediment, and scale in lines up through 4" in diameter.

The Kinetic Water Ram uses a burst of compressed air that drives a shock wave (kinetic energy) through water to break up stoppage. It's 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 Ram has a self-contained pump and pressure gauge, so you can hit the stoppage with just the right amount of force. You get instant impact with no build-up of pressure in the plumbing system. The force is transmitted through water, so it's not affected by stacks or vents.

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.

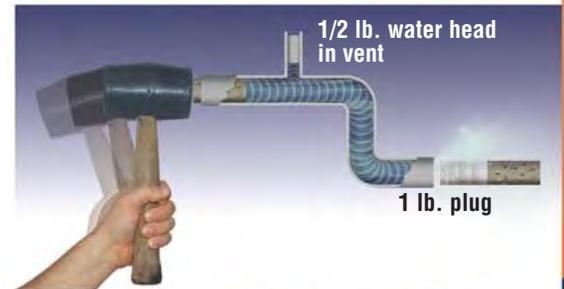


Simple to operate ... Anyone can use it

1 Pump up

2 Insert in drain

3 Snap trigger



Specifications

- 16 gauge plated cylinder tested for up to 600 lbs. pressure.
- 100 lbs. gearless pressure gauge provides pinpoint pressure control.
- Built-in air compressor easily pumps up to desired pressure.
- Flexible cone seals drains ranging from 1-1/4" to 4" diameter. Equipped with Schraeder valve for use with external air compressor when clearing difficult stoppages.
- Standard fittings include caulking hose, 4" tapered rubber cone, and five tapered rubber plugs for sealing openings from 1-1/4" through 4".
- Optional accessories include metal carrying case, toilet attachment, 6" tapered rubber cone, 1-1/2", 2", 3" and 4" expansion plugs, universal faucet adapter, water supply hose, and check valve.

JM-1450™ Electric Jet

Compact! Portable! Powerful!

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 with an in-line ground fault circuit interrupter.

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 34", the machine fits easily in the limited storage space of a contractor's truck. Need 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 reel brake and swivel is mounted on a heavy duty frame with two 8" semi-pneumatic tires. Complete with tool box.

Standard safety features include a thermal relief valve to protect the pump from heat damage, along with a back flow check valve and inlet filter. An optional spray wand is available.



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.



Hose reel
It detaches in seconds, to make the jet more compact and portable.

Slide-out Handle
Convenient handle and eight inch wheels make it easy to roll the machine to and from the job.

JM-1450 Specifications:		
Pump: Triplex w/Vibra-pulse®	Motor: 1-1/2 hp 13 amp w/GFCI	Dimensions: 28" L x 15" W x 34" H (14" H w/o Reel) (71 cm x 38 cm x 86 cm)
Pressure: 1500 psi	Reel Capacity: 150 ft. x 1/4" hose	
Flow: 1.7 gpm	Weight: 111 lbs. (50 kg)	

JM-2900 Gas Jet

Big Machine Power at a Bargain Price

The JM-2900 is an economical alternative to larger gas jets. It's lighter and more maneuverable, yet maintains the same pressure and flow rate of its big brothers. It's driven by a 389 cc Honda 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 pneumatic tires. A passive brake keeps the machine solidly positioned on the job.

Standard safety features include a thermal relief valve to protect the pump from heat damage, along with a back flow check valve and inlet filter.

Complete with tool box. An optional spray wand is available.



JM-2900 Specifications:

Pump:

Triplex w/Vibra-pulse®

Pressure:

3000 psi

Flow:

4 gpm

Engine:

389 cc w/Low oil shut off

Hose Reel:

Swivel, drag brake, and reel lock,
200 ft. x 3/8" hose capacity

Weight:

180 lbs. (82 kg)

Dimensions:

28" L x 28" W x 43" H
(71 cm x 71 cm x 109 cm)

JM-3000 Gas Jet

Solid Performance in the Toughest Conditions

Built to take heavy use and abuse, the powerful JM-3000 is great for clearing large lines and long runs. A heavy duty 3000 psi, 4 gpm triplex pump with Vibra-pulse® on demand is driven by a reliable 389 cc Honda engine with electric start through a 2 to 1 gear reducer to extend the life of the pump.

The JM-3000 is well balanced for easy handling. With little effort, you can tip the machine back on its rear wheels to more easily maneuver it into position.

A removable 300 ft. capacity hose reel with drag brake, reel lock, and swivel is mounted on the heavy duty frame with four 13" pneumatic tires. A wheel brake keeps the machine solidly positioned on the job.

Standard safety features include a thermal relief valve to protect the pump from heat damage, along with a back flow check valve and inlet filter. Complete with tool box, chemical injector, and spray wand with trigger.



JM-3000 Specifications:

Pump:

Triplex w/Vibra-pulse®

Pressure:

3000 psi

Flow:

4 gpm

Engine:

389 cc w/Low oil shut off, electric start, and gear reducer

Hose Reel:

Removable, swivel, drag brake, and reel lock,
300 ft. x 3/8" hose capacity

Weight:

291 lbs. (132 kg)

Dimensions:

43" L x 29" W x 49" H
(109 cm x 74 cm x 124 cm)

JM-3055™ Gas Jet

The Most Flow You Can Get Without a Holding Tank

The JM-3055 has the power to clear your most stubborn stoppages, including grease, sand and ice. Its 3000 psi, 5.5 gpm triplex pump has the thrust to pull the hose down long runs, the pressure to cut through tough stoppages, and the flow to flush them away. In fact, the JM-3055 has the highest flow rate available without requiring a holding tank. It's driven by a 480 cc Briggs and Stratton Vanguard engine with electric start. The pump features Vibra-pulse® on demand to help the hose slide around tight bends and down long runs.

The JM-3055 is well balanced so that with little effort, the machine can be tipped back on its rear wheels to more easily maneuver it into position. A removable 300 ft. capacity hose reel with drag brake, reel lock, and swivel is mounted on a heavy duty frame with four 13" pneumatic tires. A wheel brake keeps the machine solidly positioned on the job.



Standard safety features include a thermal relief valve to protect the pump from heat damage, along with a back flow check valve and inlet filter. Complete with tool box, chemical injector, and spray wand with trigger.

JM-3055 Specifications:

Pump:

Triplex w/Vibra-pulse®

Pressure:

3000 psi

Flow:

5.5 gpm

Engine:

480 cc w/Low oil shut off, electric start, and gear reducer

Hose Reel:

Removable, swivel, drag brake, and reel lock, 300 ft. x 3/8" hose capacity

Weight:

299 lbs. (135 kg)

Dimensions:

43" L x 29" W x 49" H (109 cm x 73 cm x 124 cm)

JM-3080™ Gas Jet

Get High Water Flow Without a Trailer

The JM-3080 gives you the increased cleaning power of 8 gpm without risking pump damage if your water supply can't match the pump demand. A 12 gallon buffer tank gives you the safety margin you need when using a high flow water jet to clear larger and more difficult lines. A 614 cc Honda engine with electric start drives a 3000 psi pump through a 2 to 1 gear reducer. The pump features Vibra-pulse® on demand, to help propel the hose on long runs and around tight bends.

Surprisingly agile for a machine of its size, the JM-3080 is precisely balanced so that with little effort, the machine can be tipped back on its rear wheels to more easily maneuver it into position. A removable 300 ft. capacity hose reel with drag brake, reel lock, and swivel is mounted on a heavy duty frame with four 13" pneumatic tires. A wheel brake keeps the machine solidly positioned



on the job. Standard safety features include a thermal relief valve to protect the pump from heat damage, along with a back flow check valve and inlet filter. Complete with tool box, chemical injector, and spray wand with trigger.

JM-3080 Specifications:

- Pump:**
Triplex w/Vibra-pulse®
- Pressure:**
3000 psi
- Flow:**
8 gpm
- Engine:**
614 cc w/Low oil shut off, electric start, and gear reducer
- Hose Reel:**
Removable, swivel, drag brake, and reel lock, 300 ft. x 3/8" hose capacity
- Weight:**
375 lbs. (170 kg)
- Dimensions:**
43" L x 29" W x 56" H (109 cm x 74 cm x 142 cm)

JM-2512 Typhoon™

Big Cleaning Power in a Tough New Package

The JM-2512 Typhoon™ trailer jet is ideal for clearing big lines or remote jobs far from a water source. Twelve gallons of water pulsates down the line every minute at a powerful 2500 psi to blast lines clear of grease, sediment, and debris. The 200 gallon holding tank carries enough water to handle remote applications where access to water is limited.

A 690 cc Honda engine with electric start powers the 2500 psi, 12 gpm pump with Vibra-pulse® through a V-belt reducer. Two hose reels – an electric rewind jet hose reel with 400 ft. x 1/2" capacity featuring a variable speed controller, and a supply hose reel carrying 150 ft. x 3/4" hose – are mounted at the rear of the unit next to the pressure gauge and output valve. Engine controls, including an hour meter, are mounted within easy reach in the lockable tool box with slide action doors just below the reels.

The Typhoon is mounted on a heavy duty trailer rated for 3500 lbs. per axle with bearing buddies, and rides on 15" radial tires with modular wheels. A splash guard at the front protects the pump and engine from road debris. The body is protected by a durable powder-coated epoxy finish for added weather protection.



Standard safety features include electric brakes, safety strobe light, three safety cones with holder, rear fold down stabilizer jacks, and retractable guide arm. An anti-freeze system protects the unit from freeze damage. Complete with spray wand and trigger.

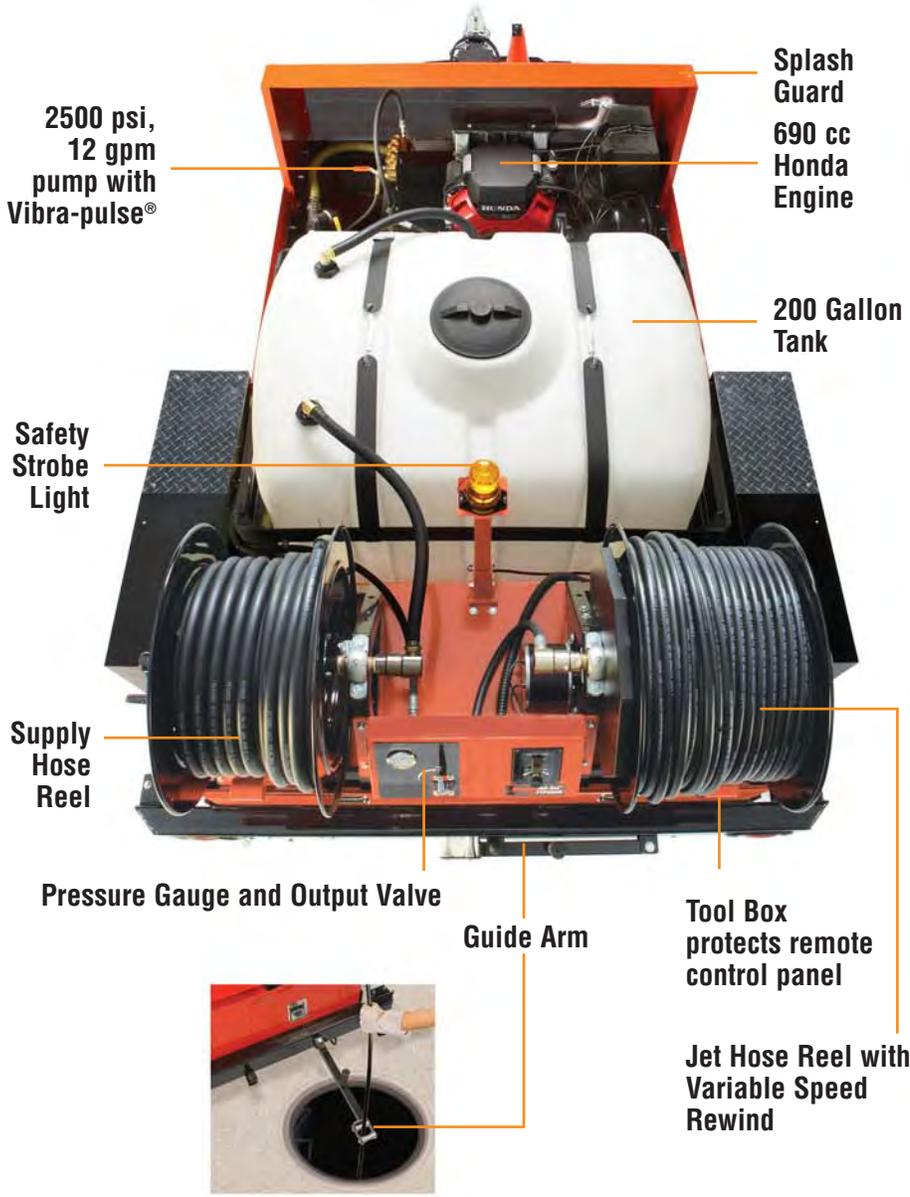


Remote control panel protected inside locked toolbox.



Easily accessible Variable Speed rewind control, along with pressure gauge and output valve mounted between hose reels.





2500 psi,
12 gpm
pump with
Vibra-pulse®

Splash
Guard
690 cc
Honda
Engine

200 Gallon
Tank

Safety
Strobe
Light

Supply
Hose
Reel

Pressure Gauge and Output Valve

Guide Arm

Tool Box
protects remote
control panel

Jet Hose Reel with
Variable Speed
Rewind



**JM-2512 Typhoon™
Specifications:**

- Pump:**
Triplex w/Vibra-pulse®
- Pressure:**
2500 psi
- Flow:**
12 gpm
- Engine:**
690 cc Honda w/Low oil shut off,
electric start, and V-belt reducer
- Tank Capacity:**
200 Gallons
- Jet Hose Reel:**
Electric variable speed rewind,
swivel, 400 ft. x 1/2" hose
capacity
- Supply Hose Reel:**
Manual, swivel, drag brake, and
reel lock, 150 ft. x 3/4" capacity
- Safety Features:**
Electric brakes, safety strobe light,
three safety cones with holder,
rear fold down stabilizer jacks,
and retractable guide arm
- Weight:**
1900 lbs. Empty; 3300 lbs. Loaded
- Trailer Dimensions:**
153" L x 82" W x 65" H
(388 cm x 208 cm x 165 cm)

High Performance Nozzles

The Typhoon's™ High Performance Nozzles incorporate patented fluid mechanics that significantly increase thrust, pulling power, and cleaning power without needing to increase water flow or pressure.



Jet-Set™ Accessories

CM-300 Cart-Reel

The optional Cart-Reel™ is a must for professionals. It lets you use the power of the gas jet in buildings and confined spaces where exhaust fumes could be hazardous, while the gas jet stays safely outside. The Cart-Reel comes with two pneumatic tires, 300 ft. capacity hose reel, reel brake, gauge, and a shut-off valve.



HM-200-W Handy-Reel with Foot Pedal

For use with any jet, the compact 200 ft. capacity Handy-Reel can be attached to a gas jet so you can use the power of the gas jet inside a building. Or it can be taken up on a roof to clear vents while your jet sits securely on the ground. The foot pedal gives you added safety. Water flows when you step on the pedal and stops when you lift your foot, so you have both hands free at all times to control the hose. The foot pedal is also available separately.



Spray Wands

Get a spray wand and use your jet for high pressure washing and cleaning applications.

Spray wands are made from durable components. The triggers have a light touch, yet can withstand rough usage. The wands are insulated and designed for use with a down stream soap injector. A variety of stainless steel nozzles are available.



Jet-Set™ Nozzles and Hoses

Nozzles

Whether you're up against grease, sand, or ice, there's a General nozzle that will cut through it. Some are designed for maximum penetrating power, some are designed to pressure wash the pipe walls, and some are designed to go around sharp bends. All of General's nozzles are made of hardened stainless steel to last longer.



Powerful penetrating nozzle cuts through grease and ice.



Wide spray flushing nozzle cleans inside of pipe thoroughly.



Spring Leader nozzle helps guide hose around tight bends and P-traps.



Downhead nozzle takes hose down Tee's and around difficult corners.

Rotary Nozzles

Make sure you leave the lines crystal clear with General's rotary nozzles.



The JN-RB heavy duty hardened stainless steel rotary nozzles have two 90 degree jets to scour the walls of the pipe, and two 35 degree jets to drive the hose down the line. The less expensive JN-RA hardened steel rotary nozzles have two 45 degree jets for combined thrust and cleaning action.

High Performance Nozzles

General's High Performance Nozzles incorporate patented fluid mechanics that significantly increase thrust, pulling power, and cleaning power without needing to increase water flow or pressure. These nozzles are custom machined to redirect the water through highly efficient inner surface channels directed toward each orifice. The nozzles have replaceable threaded inserts at each orifice, so when the nozzle wears, you only have to replace the inserts, not the whole nozzle.



Chain Saw Nozzle

Rip through roots with the Chain Saw Nozzle. Lengths of chain can quickly and easily be switched for different diameter pipes. Spins at up to 10,000 RPM.

- 1/2" nozzle works well in combination the 12 gpm Typhoon trailer jet to clear 4", 6", 8", and 10" lines.
- 3/8" nozzle is available in 4, 5.5, and 8 gpm models to clear 4", 6", and 8" lines.



Hoses

Tough high pressure jetting hose comes in a variety of lengths and diameters. Use the 1/2" ID hose for main lines and long runs at distances up to 400 ft. Use the 3/8" ID hose for clean outs, 4" through 8" floor drains, and septic lines at distances up to 300 ft. With the 1/4" ID hose, you can clear 2" through 4" lines up to 200 ft. away. And the Super-Flex™ 1/8" hose has the flexibility to get through 1-1/2" and 2" lines and bends up to 75 ft. down the line.



Gen-Eye SD™

Pipe Inspection/Location System

The Gen-Eye SD™ gives you all the features of a full size video inspection system in a compact, portable package.

With an SD card reader, you can record video or still images – a one GB card records about two hours of video. Keep a copy for your records and make copies for your customers.

In addition to the card reader, the Gen-Eye SD includes an 8" LCD color monitor for crisp, clear pictures, a full keyboard for on-screen titling, on-screen distance counter, built-in voice over unit, date and time stamp, LED dimmer control, camera test port, and both AC and DC power cords. All are safely contained in a padded case weighing just 10 lbs. that can stand alone or mount on a reel.

The self-leveling color camera automatically keeps your picture right side up as the camera glides through the line. You always have an upright picture on the monitor, making it easier for you and your customers to follow the action.



The fully adjustable docking arm mounts onto a big capacity reel loaded with Gel-Rod® push-rod and a color self-leveling camera. With this easily maneuverable, all-in-one package you're set to trouble-shoot 3" to 10" lines. You can even mount the SD onto a mini reel to inspect 2" to 4" lines.

Gen-Eye SD Units:

SD-500

Gen-Eye SD Command Module, complete with SD Card Reader, 8" LCD Screen, and Full Keyboard.

SL-SD-A

Gen-Eye SD Command Module with Docking Arm, 200 ft. Push-Rod, Full Size Reel, Self-Leveling Color Camera, and 3" & 6" Trap Skids.

SL-SD-B

Same as SL-SD-A, plus Digital Locator with Padded Bag.

C-M-SD-A

Gen-Eye SD Command Module with Docking Arm, 100 ft. Mini Push-Rod, Mini-Reel, Mini Color Camera, and 3" Trap Skid.

C-M-SD-B

Same as C-M-SD-A, plus Digital Locator with Padded Bag.

Other Models Available.

Gen-Eye Vista™

Pipe Inspection/Location System

The Gen-Eye Vista™ has everything you need for video inspection in a compact, portable package. It includes both a DVD recorder and an SD card reader, all in one. Record crisp video or still images at the jobsite on both devices simultaneously. Keep one copy for your records and give a copy to your customer. If you'd rather transfer a file of the inspection to a laptop on the spot, a USB port is included.

In a remote location? The Vista includes a built-in rechargeable battery that lets you operate in the field on battery power alone for up to 4 hours. With the built-in AC/DC converter, you can recharge the battery while driving from one job to another.

The Gen-Eye Vista includes an 8" LCD color monitor, a full keyboard for on-screen titling, on-screen distance counter, built-in voice over unit, date and time stamp, LED dimmer control, camera test port, and both AC and DC power cords. All are safely contained in a padded 24 lb. case that can stand alone or be mounted on a reel.

The self-leveling color camera automatically keeps your picture right side up as the camera glides through the line. You always have an upright picture on the monitor, making it easier for you and your customers to follow the action.

The fully adjustable docking arm mounts onto a big capacity reel loaded with Gel-Rod® push rod and a color self-leveling camera. With this easily maneuverable, all-in-one package you're set to trouble-shoot 3" to 10" lines. You can even mount the Vista onto a mini-reel to inspect 2" to 4" lines.



Gen-Eye Vista™ Units:

GV-600

Gen-Eye Vista Command Module, complete with 8" LCD Screen, DVD Recorder, SD Card Reader, Full Keyboard, Battery, and USB Port.

SL-GV-A

Gen-Eye Vista Command Module with Docking Arm, 200 ft. Push Rod, Full Size Reel, Self-Leveling Color Camera, and 3" & 6" Trap Skids.

SL-GV-B

Same as SL-GV-A, plus Digital Locator with Padded Bag.

C-M-GV-A

Gen-Eye Vista Command Module with Docking Arm, 100 ft. Mini Push Rod, Mini-Reel, Mini Color Camera, and 3" Trap Skid.

C-M-GV-B

Same as C-M-GV-A, plus Digital Locator with Padded Bag.

Other Models Available.

Gen-Eye POD™

Pipe Inspection/Location System

The lightweight, Gen-Eye POD™ and MINI-POD™ combine camera, reel, and monitor in an all-in-one package.

You get a large 7" LCD color monitor protected by a padded case. It's mounted on a rugged yet flexible gooseneck that swivels to give you the best viewing angle, wherever you're working.

The full size Gen-Eye POD™ features a self-leveling camera and 200 ft. of Gel-Rod® for trouble-shooting 3" to 10" drain lines. The big capacity MINI-POD™ carries 125 ft. or 175 ft. of push-rod and color mini-camera for inspecting 2" to 4" drain lines. The tough steel frame can be operated vertically or horizontally, so you can handle nearly any application.

There's lots more, like a picture inverter, both AC and DC power cords, LED Dimmer Control, 3" Trap Skid, and a 512 Hz transmitter. A video out connection lets you record on an external device.



Can be operated vertically or horizontally

Gen-Eye MINI-POD™ Units:

- C-GP-A**
MINI-POD with 125 ft. Push-Rod and Sonde.
- C-GP-B**
Same as C-GP-A, plus Digital Locator with Padded Bag.
- C-GP-C**
MINI-POD with 175 ft. Push-Rod and Sonde.
- C-GP-D**
Same as C-GP-C, plus Digital Locator with Padded Bag.

Gen-Eye POD™ Units:

- SL-GP-E**
POD with Self-Leveling Color Camera, 200 ft. Gel-Rod, and Sonde.
- SL-GP-F**
Same as SL-GP-E, plus Digital Locator with Padded Bag.
- C-GP-E**
POD with Color Camera, 200 ft. Gel-Rod, and Sonde.
- C-GP-F**
Same as C-GP-E, plus Digital Locator with Padded Bag.

Gen-Eye Micro-Scope™

Pipe Inspection/Location System

The Gen-Eye Micro-Scope™ handheld inspection tool has a bright, easy-to-see 3.5" LCD screen for crisp clear pictures. You can record photos or videos on the built-in SD card reader with one-touch record button for playback on the internal screen, TV, or laptop computer through a USB port.

The Micro-Scope™ reel carries up to 100 ft. of micro push rod with a color camera, giving you the ability to inspect 1-1/2" to 3" drain lines, and many toilet traps.

A 3 ft. probe rod with color camera lets you inspect in hard to reach places. Three adapters are included to improve your viewing angle or to retrieve objects. Probe extensions are available.

The Micro-Scope™ Command Module™ is loaded with lots of great stuff, including a digital zoom, rotatable picture, voice over recording capability, and LED brightness control. On-screen status indicators include date and time, SD card capacity, and battery strength. The rechargeable battery drives the unit for up to four hours.



Gen-Eye Micro-Scope™ Units:

GM-A

Micro-Scope Handheld Command Module, with 3 ft. Probe Rod and Color Camera, 3 Probe Attachments, 8 GB SD Card, AC Charger, DC Car Charger, USB Cable, TV Connector, and Carrying Case.

GM-C

Micro-Scope Command Module with Open Reel, 33 ft. Push Rod, 3 ft. Probe Rod and Color Camera.

GM-G

Micro-Scope Command Module with Open Reel, 100 ft. Push Rod, 3 ft. Probe Rod and Color Camera.



Open reel with adjustable monitor mount to give you the best viewing angle.

Gen-Eye™

Digital Pipe Locator

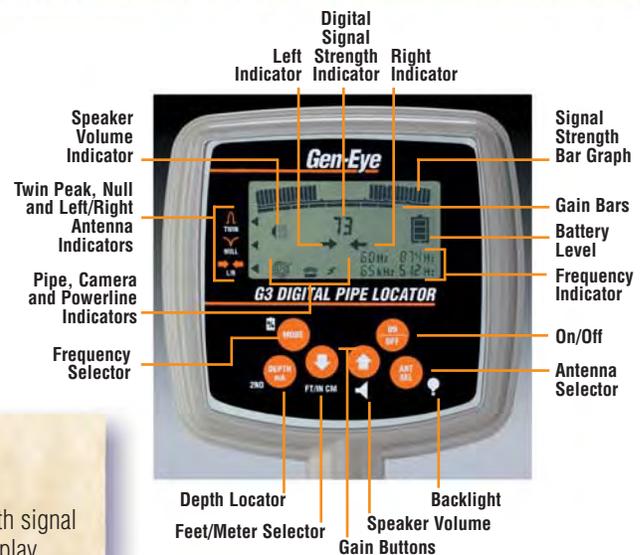
Have you ever dug up a flower bed and driveway only to find the problem was somewhere else? Mistakes like these cost time, money, and reputation. And when you find the problem, do you need a shovel – or a backhoe? The Gen-Eye Locator uses high tech digital technology to tell you exactly where the pipe is and how deep, down to the inch. No time-consuming triangulation required. With the push of a button, you can locate cast iron pipe to a depth of 10 ft., and plastic and clay pipe to 20 ft.

No guesswork involved

The Gen-Eye Digital Locator lets you know exactly where the problems are. 100 sensitivity levels let you hone in on the transmitter's signal. The LCD display panel produces a clear digital readout, as well as a graphic display and an audible tone. It's faster and more precise than analog locators.

The Gen-Eye Locator lets you locate almost anything underground with its built-in four-way signal finder. You can find the Gen-Eye camera even when it's deep inside cast iron pipe. When you turn on the digital locator, it looks for the 512 Hz signal transmitted from Gen-Eye cameras.

Switch the locator to 60 Hz, and you can locate underground power lines before you start digging. Switch again, and you can locate water lines, gas lines, fiber optic cables, and CATV cables with the optional 65 KHz transmitter. All with more power and dynamic range than any other locator available.



Gen-Eye Locator Specifications:

Operating Modes/Frequency

Camera Locator/512 Hz and 874 Hz.
Pipe Locator/65 KHz.
Power Line Locator/60 Hz.

Dynamic Range

96 db.

Depth Range

20 ft. (6 m) in polyethylene and claypipe. 10 ft. (3 m) in cast iron pipe.

Indicators

Backlit LCD digital display with signal strength read-out, graphic display, audible tone, digital depth indicator, battery status.

Locator Weight

4.5 lbs. (2 kg).

Locator Batteries

6 x C (50 hrs. of life at 68°F).

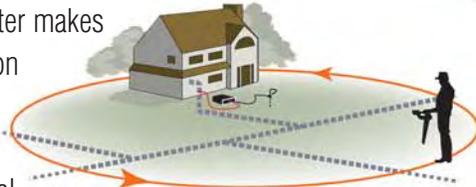
Gen-Eye™

Digital Pipe Locator



Gen-Eye™ Transmitter

The Gen-Eye transmitter makes pipe and utility location easier. It energizes the pipe with a powerful 65 KHz signal that radiates through the ground to the locator above. Simply attach the transmitter leads to both ends of the pipe, or if the other end of the pipe is not accessible, use the ground stake to complete the circuit.



Gen-Eye Transmitter Specifications:

Operating Mode/Frequency

Pipe Locator/65 KHz.

Output

1 Watt.

Transmitter Weight

5 lbs. (2.3 kg).

Transmitter Batteries

6 x D (150 8°F).

Gen-Eye™ Sondes

Gen-Eye Sondes are a great tool for pipe location in cast iron, clay, or plastic lines. Easier than locating an energized line, you simply locate the pinpoint frequency of the Sonde. Attach the sonde to your drain cleaning

cable using the included spring carrier. Adapters for other brands are available. The carrier protects the Sonde as it travels down the line. Or you can tape it to jet hose, push-rods, or other devices that don't subject it to heavy abuse.



Sonde 20 (actual Size)



Sonde 10 (actual Size)

Gen-Eye Sonde Specifications:

Sonde 10 Range

Up to 10 ft. through cast iron or 15 ft. through clay or plastic lines.

Sonde 20 Range

Up to 20 ft. through cast iron or 30 ft. through clay or plastic lines.

Frequency

512 Hz.

Size

3/4" x 3-1/2".

Battery

One AAA Alkaline.



Spring carrier for Sondes with General coupling. Adapters for other brands available.

Gen-Ear™

Water Leak Location System

Now, a smaller investment gets you a better method for tracking down water leaks. The new Gen-Ear LE is a simplified, more economical tool with stronger sound amplification than other systems. Use it to pinpoint water leaks in residential and commercial water lines, whether they are under concrete slabs, in walls, swimming pools or hot tubs.

The compact amplifier fits easily in the palm of your hand. It provides noise-free amplification with built-in preset audio filters, so you don't have to guess what settings to use. And the high performance headphones with noise cancellation features block out interference from ambient noise. The ground sensor listens for the gurgling or hammering of water escaping from a cracked pipe under concrete, asphalt, or tile. For soft surfaces like grass or carpet, use the probe rods. Or, for above ground pipes or hydrants, you can use either the probe rods or the magnet attachment.

For especially hard to find leaks, the Sound Amplification Manifold adds air to the line, increasing water pressure. This amplifies the leak sounds, making them easier to locate.

The Gen-Ear LE will save you a lot of guess-work and unnecessary digging. And that saves you a lot of money.



1. Carrying Case

3. Amplifier

2. Ground Sensor

4. Probe Rods

5. Sensor Magnet

6. SAM

7. Stereo Headphones

Components

1. Heavy Duty Carrying Case

Made of high-density polyethylene. Designed to withstand heavy use and protect your investment.

2. Ground Sensor

Finding the leak starts with a quality ground sensor. It locates leaks through hard surfaces, concrete, tile, etc. Threaded nipple accommodates sectional probe rods or magnet. Wind proof, shock resistant housing protects against handling noise interfering with locating process.

3. Amplifier

Take the leak sounds and pump them through the powerful amplifier with built-in preset audio filters, low battery indicator light, and volume control. It's mounted in a durable housing that fits easily in the palm of your hand. Safety mute button protects operator from sudden loud noises. Unit automatically shuts down when the headphones are removed to extend battery life. Includes built-in flashlight for night location jobs. Operates on two AA batteries.



4. Sectional Probe Rods

Looking for leaks under soft surfaces such as grass or carpet? The Probe Rod allows for easy sound sampling for leaks. Three, one-foot probe rods thread into the sensor.



5. Sensor Magnet

Sound surveying is much easier with the sensor magnet attachment. It threads onto the sensor to listen for leaks through above ground pipes, fire hydrants, water mains, iron valves, or steel pipes and fittings.



6. Sound Amplification Manifold (SAM)

Hard to find leaks get a boost with the SAM. It helps amplify hard to hear leaks by using air to pressurize the water line, making leak location easier.



7. High Performance

David Clark® Stereo Headphones

High quality headphones give you the clearest sound with superb noise cancellation features to block out interference from ambient noise.

Specifications:

Amplifier:

Input Impedance: 430k. Output Impedance: 4 – 10 Ohm.
Amplification: 56 db +/- 3%.
Filter Characteristics: 00 – 1000 Hz.
Power: Two 1.5-Volt AA Batteries. Power Consumption: 20 mA.
Dimensions: 5-3/4" x 1" x 2-1/2". (15 cm x 2.5 cm x 6 cm).
Weight: 1 lb. (.45 kg).
Operating Temperature: 20° F – 130° F.

Sensor:

Element: Piezoelectric Element.
Sensitivity: 1.00V/g at 400 Hz (Max.)

Headphones:

Dynamic Range: 10 - 20,000 Hz.
Noise Reduction Rating: 23 db.

Carrying Case:

Dimensions: 20" x 13.5" x 9". (51 cm x 34 cm x 23 cm).
Weight: 7.5 lbs. (3.4 kg).

Closet Auger™

Three Foot Flexicore®

Professional 3 ft. Flexicore® Closet Auger is the ideal tool for breaking up stoppages or removing lost objects in clogged toilet bowls. Durable double layer Flexicore construction gives the snake tremendous resistance to kinking. The Flexicore closet auger works where plungers fail.

The tough outer steel tube is 3/4" in diameter. Inside, a galvanized steel rod turns the cable. Other features include a vinyl bowl guard, vinyl grip handle and turning handle, and a "Grip Clip" for securing the cable.

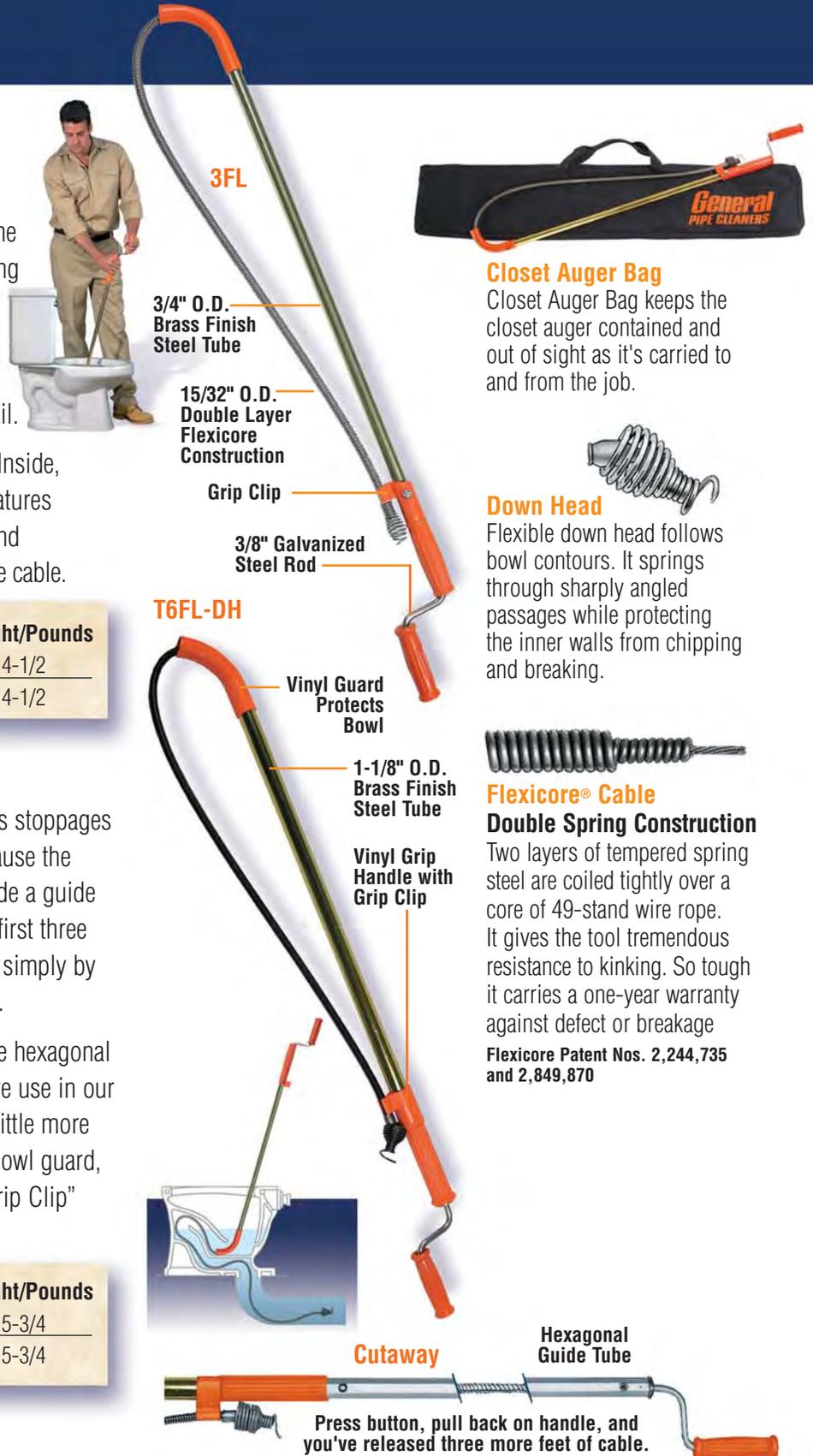
Catalog Number		Weight/Pounds
3FL	Regular Head	4-1/2
3FL-DH	Down Head	4-1/2

Six Foot Teletube®

Heavy-duty 6 ft. Teletube® Closet Auger clears stoppages beyond the bowl. No need to lift the bowl, because the Teletube has an extra three feet telescoped inside a 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.

Outer steel tube is a big 1-1/8" in diameter. The hexagonal guide tube is even tougher than the steel rod we use in our 3FL closet augers. The Teletube weighs just a little more than a 3FL too. Other features include a vinyl bowl guard, vinyl grip handle and turning handle, and a "Grip Clip" for securing the cable.

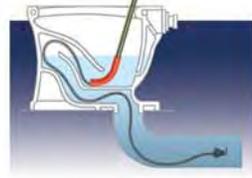
Catalog Number		Weight/Pounds
T6FL	Regular Head	5-3/4
T6FL-DH	Down Head	5-3/4



Closet Auger Bag
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
Flexicore Patent Nos. 2,244,735 and 2,849,870



Large Economy

Equipped with 1/2" diameter hollow spring. Plastic turning handle and vinyl grip handle; vinyl bowl guard; 3/4" steel tube; 3/8" galvanized steel turning rod. Has ring for holding cable in place when not in use.

Catalog Number	Size	Weight/Pounds
3J	3 ft.	3-1/2

Small Economy

Light duty tool for the price-conscious buyer. Attractively finished with 3/8" diameter hollow spring and 5/8" diameter tube. Wood turning handle; vinyl bowl guard; galvanized turning rod. Has ring for attaching spring.

Catalog Number	Size	Weight/Pounds
R-3NKH	3 ft.	1-1/2
R-6NKH	6 ft.	2

Urinal Auger™

Gets through urinals where other snakes can't. A specially designed spring has the toughness and flexibility to negotiate tight urinal bends. Telescoping Teletube® model TU4 features a 48" spring for clearing stoppages beyond the urinal. TU4 has rust resistant steel tube and rubber bumper to protect urinal bowls.



Catalog Number	Size	Weight/Pounds
TU4	48"	1-3/4



D-25 Handy™

Can Be Attached to a Drill

Patented chuck tightens firmly on cable with just a quarter turn. No chance of damaging sink as there is with a thumb screw. You can take off the turning handle and attach the container to a 3/8" or 1/2" drill. Durable container can hold 35 ft. of 3/8" or 50 ft. of 1/2" or 5/16" cables.



Detachable Handle

Attaches to any Drill.
Take off the turning handle
and attach the container to a
3/8" or 1/2" drill.



D-25 Units

Regular Down Head Unit No.	Head Unit No.	Feet	Diameter	Weight Pounds
D-25-2	D-25-8	25	1/4"	8-1/2
D-25-2-A	D-25-8-A	25	5/16"	10
D-25-3	D-25-9	25	3/8"	12
D-25-3-A	D-25-9-A	35	3/8"	15

Spin-Thru™

DIY Drain Cleaners



Steel Drum Spin-Thru™

Surprising quality in a low price tool. Cable is held in place with a thumb screw. Rugged steel drum with a “T” grip handle for more convenient use in laundry tubs. Cables are economy grade for light duty occasional use.

Catalog Number	Length	Diameter	Weight
R-25SM	25 ft. (7.6 m)	1/4" (9 mm)	4.5 lbs (1.6 kg)



Power Spin-Thru™

A great upgrade: The steel drum Spin Thru is equipped with a spindle at the back so it can be attached to an electric drill.

Catalog Number	Length	Diameter	Weight
RC-25SM	25 ft. (7.6 m)	1/4" (9 mm)	4.5 lbs (1.6 kg)



Plastic Spin Thru™

Drum is molded from high density orange plastic. A surprisingly durable unit at a surprisingly low price. Cable is held in place with a thumb screw.

Catalog Number	Length	Diameter	Weight
R-25PL	25 ft. (7.6 m)	1/4" (9 mm)	4.0 lbs (1.4 kg)



Plastic Power Spin Thru™

A spindle is inserted at the back of the unit so it can be used with an electric drill.

Catalog Number	Length	Diameter	Weight
RC-25PL	25 ft. (7.6 m)	1/4" (9 mm)	4.0 lbs (1.4 kg)



Clog Chaser™

A more compact, economical version of our Plastic Spin Thru. A full size thumb screw secures the cable.

Catalog Number	Length	Diameter	Weight
R-15CL	15 ft. (4.6 m)	1/4" (9 mm)	2.5 lbs (.9 kg)



Power Clog Chaser™

For not much more, a spindle at the back allows the drain cleaner to be used with an electric drill.

Catalog Number	Length	Diameter	Weight
RC-15CL	15 ft. (4.6 m)	1/4" (9 mm)	2.5 lbs (.9 kg)

Spin-Drive™ Model 400

All units equipped with Flexicore wire rope center cables, assuring long life, as well as the right strength and flexibility.

A large crank handle on the back of the drum gives you powerful leverage, and after a couple of turns, you have the speed and momentum to break through a stubborn stoppage. Drum is made of heavy-gauge steel and is treated for rust resistance. Three holes are punched in the drum for quick cleaning and drying of cable. The drum turns easily on self-aligning oilite bearings mounted front and rear. A convenient carrying handle is mounted on the drum for easier portability.



Recommended Units, Complete with Flexicore Cables

Unit No.	Contains	Weight/Pounds
450FL2	50 ft. x 3/8"	34
450FL2-DH	50 ft. x 3/8" Down Head	34
*450EM3	50 ft. x 1/2"	42

* Includes 1-1/2UC and 2UC U-Cutters.

Unit No.	Capacity	Weight/Pounds
400 – Containers Only	75 ft. x 1/2"	17

Flexicore™ Drain Augers

A core of aircraft-type wire rope makes Flexicore Augers so tough they carry a one-year warranty (see page 3). After coiling, they're heat treated for maximum toughness and durability. Right-hand wind makes manual operation easier through greater flexibility.



Bulb-Type Head

Standard on 3/8" and 1/2" cables.



Wire Rope
Center Construction

Down Head

Available on 1/4", 5/16", and 3/8" cables. Guides cable down the line, not up the stack.



Double Down Head

Available on 1/4" and 5/16" cables. Flexible enough to be worked through a drum trap.



Basin Plug Head

Standard on 1/4" and 5/16" diameter cables.



Optional deluxe rotary handle has two smoothly operating hand grips.

1/4" Diameter

For sink traps, 1-1/4" lines, lavatory and bath drains, laundry tubs, etc.

Regular Head	Down Head	Double Down Head	Length Feet	Weight Pounds
L-15FL1	L-15FL1-DH	L-15FL1-DDH	15	2-1/2
L-25FL1	L-25FL1-DH	L-25FL1-DDH	25	4
L-35FL1	L-35FL1-DH	L-35FL1-DDH	35	5-1/2
L-50FL1	L-50FL1-DH	L-50FL1-DDH	50	8

5/16" Diameter

Excellent heavy duty – for small lines.

Regular Head	Down Head	Double Down Head	Length Feet	Weight Pounds
L-25FL1-A	L-25FL1-A-DH	L-25FL1-A-DDH	25	6
L-35FL1-A	L-35FL1-A-DH	L-35FL1-A-DDH	35	7-1/2
L-50FL1-A	L-50FL1-A-DH	L-50FL1-A-DDH	50	11

3/8" Diameter

For 1-1/2" through 3" lines.

Regular Head	Down Head	Length Feet	Weight Pounds
L-25FL2	L-25FL2-DH	25	7
L-35FL2	L-35FL2-DH	35	10
L-50FL2	L-50FL2-DH	50	14

Sectional Sewer Rods

1/4" x 6 Foot Sections of Round Oil Tempered Steel

All parts are Electro-coated to resist corrosion. Makes 90 degree bends in 6" sewer lines; will not operate in traps. Comes with a variety of boring heads.

6SSR – 6' section w/couplings and 2 nuts.

SE1 – Corkscrew for 2" Pipe

1" dia. body x 11" long x 1-1/2" dia. x 2" head. Used first to start water flowing.



SE2 – Diamond Head

1" dia. body x 11- 3/4" long x 1-3/4" dia. x 2-1/4" head. For small, grease packed waste line.



SE3 – Root Cutter

1" dia. body x 12-1/2" long x 3" dia. x 3-1/2" head. Shears tough roots, and breaks up hard packed stoppages.



SE5 – Corkscrew for 4" Pipe

1" dia. body x 13" long x 2-3/4" dia. x 4" head. For roots, grease, etc.



Sectional Rods assemble at right angles and cannot come apart in the line.

SE6 – Pick-Up Tool

1" dia. body x 10" long x 2-3/4" dia. x 1-1/2" head. Retrieves broken rod or tool.



SE8 – Assembly Wrench

8-1/2" long. Used with Turning Handle for coupling and uncoupling.



SE9 – Turning Handle

16" long. Provides great leverage in boring, pulling or pushing while maintaining tension.



Municipal Sewer Rods

5/16" Sections of Round Oil Tempered Steel

All parts are Electro-coated to resist corrosion. 5/16" x 36" or 39" long. Heat fused coating supplied at additional cost. Couplings have solid wall guide between end openings for easier connecting. Couplings also have a groove running around the body at the center hole for quicker alignment of turning tool.

2MSR – 36" Section with Coupling

3MSR – 39" Section with Coupling

MSRC – Municipal Rod Coupling

M21 – Municipal Rod Turning Handle



M24 – Assembly Wrench



M27 – Corkscrew for 2" Pipe



M28 – Diamond Head



M29 – Root Cutter



M31 – Pick-Up Tool



M32 – Corkscrew for 4" Pipe



M4HDB – 4" Heavy Duty Saw Blade

Heavy gauge steel blade has teeth cut into both the front and back edge. It chews into roots going into and coming out of the line. Comes in 4", 6", and 8" sizes.



Flat Sewer Rod™

A Sturdy Tool for Cleaning Drain Lines and Sewers

Oil tempered spring steel is resistant to rusting and kinking. The rod is bolted to the frame at the back, so it can't spring out of the frame when you near the end. A comfortable, efficient Quick-Grip Handle makes the work go faster.



All sizes furnished with Quick-Grip Handle and Roller Head, unless another head is specified.

Pipe Size	Catalog Number	Feet	*Weight Pounds with Holder
1/2" x 1/16" 2" thru 3"	50 B 100 B	50 100	7-1/2 12-1/2
3/4" x 1/16" 2" thru 4"	50 C 100 C	50 100	10 18
1/2" x 1/8" 2" thru 4"	50 H 100 H	50 100	14 22
3/4" x 1/8" 4" thru 6"	50 D 100 D	50 100	19 35
1" x 1/8" 4" thru 8"	100 I 150 I	100 150	49 71

Flat Sewer Rod Cutter
Revolving Roller Head



Catalog No.	For Rod Size	Diameter Head	Weight Pounds
1-R	B	1-1/8"	1/4
2-R	C, H, and D	1-1/2"	1/2
3-R	I	3"	1-3/4

Drain Flushers™

A Sturdy Tool for Cleaning Drain Lines and Sewers

Just attach to garden hose and slide Drain Flusher into drain. Water expands Flusher to size of pipe. Then water pressure pushes stoppage down the line.

Equipped with back-flow preventer on the inlet side. Made of tough reinforced nylon to resist punctures. Far more durable than rubber. Narrow profile and internal flat spring help work Drain Flusher around bends. Blister packed on three-color cards.

Number No	Size	Weight Pounds
1.5DF	1-1/2"	1/2
2.5DF	2-1/2"	1/2
3DF	3"	3/4
4DF	4"	1
6DF	6"	1.25
8DF	8"	1.5



Test Plugs

With rugged cast aluminum body, smoothly turning cast iron wing nut, and live rubber ball. Rugged construction throughout. Available in 1-1/2", 2", 3" and 4" sizes.

Hot-Shot™

Thaws Frozen Pipes Quickly



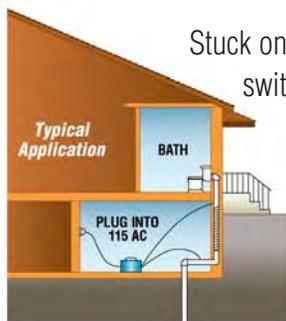
No more tearing up floors, breaking through walls, or digging up pipes in frozen ground. Eliminate hazardous blow torches. With the safe Hot-Shot pipe thawer, you can accomplish the job faster and easier – and save time and money.

Easy to Operate

Just carry your Hot-Shot to the job, attach the pipe clamps and plug it into 115 volt receptacle. In minutes, the frozen pipe will be flowing again.

Lighter Weight; Lower amp Draw

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.

300 amp CSA approved model available.

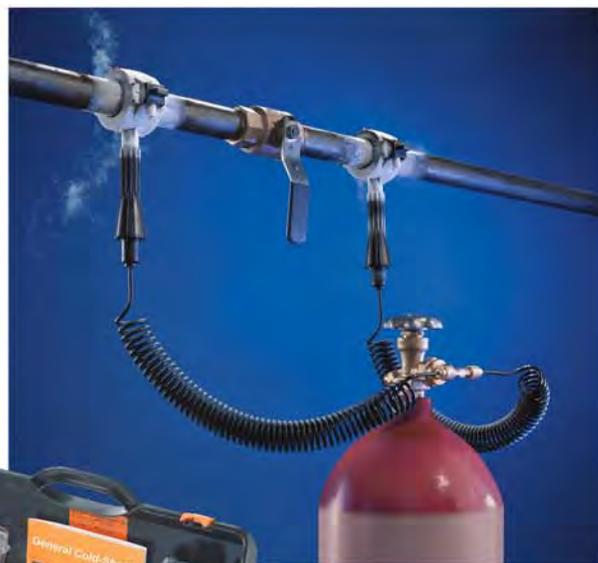
Cold-Shot™

Pipe Freeze Kit

No need to drain water lines, sprinkler systems, or hot water systems before cutting pipe or tubing. The Cold-Shot keeps pressurized systems operating while you make repairs.

It freezes all type of liquids in steel, copper, cast iron, aluminum and plastic pipes ranging from 1/8" to 2" (10 mm – 60 mm) using carbon dioxide (CO₂). Dip-tube type cylinders are available at all welding supply houses.

The Cold-Shot is faster and less expensive than "refrigerator-type" units; faster and uses less CO₂ than "bag-type" units. In five minutes, you're ready to go to work on copper tubing, just three minutes for cast iron pipe.



Kit includes 10 sets of freeze heads for 1/8" to 2" lines (10 mm to 60 mm), two high pressure spiral hoses with injectors, T-distributor, locking nut, hex head screwdriver, rubber gloves, goggles and carrying case.

Flood-Guard™

Prevent Basement Flooding

Flood-Guard operates like a check valve to seal off water back-up caused by overloaded sewers. Water flows normally through the drain until the sewer begins to back up. Then the Flood-Guard float rises to seal off the drain opening until the water recedes.

A screwdriver and a couple of minutes are all you need to install a Flood-Guard. Once in place, it can prevent property damage and a very messy clean-up job.

For extreme, extended pressure (for instance, where home-made seals have popped out of the line) we recommend our standpipe models. The 4" Standpipe Flood-Guard is threaded to receive 1-1/2" IPS pipe. On the 3" model, the pipe is slipped through the rubber gasket before the screws are fully tightened.

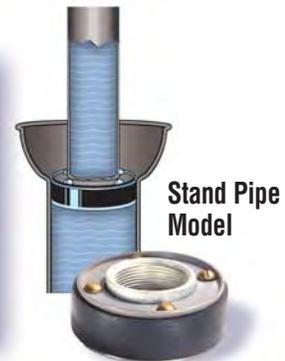
Gaskets are made of molded rubber, and all metal parts are plated or stainless steel.



Float Model



Catalog Number		Per Carton	Weight Pounds
2F	2" Float Model	4	1
3F	3" Float Model	6	3
4F	4" Float Model	6	6
S-3F	3" Standpipe Model	6	2-1/2
S-4F	4" Standpipe Model	6	7-1/2



Stand Pipe Model

EasyReach™

Picks Up Everything from Dimes to Bricks

You'll find dozens of uses for this labor-saver, like cleaning traps and manholes of rocks and debris, grabbing objects from hard to get at places, and changing light bulbs. You can even retrieve golf balls from ponds and pick fruit from trees.

It's sensitive enough to pick up small screws and washers, yet strong enough to pick up a five pound rock. The locking trigger feature lets you grab and lock on to objects without further trigger pressure.

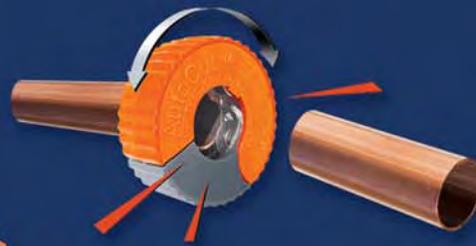
The EasyReach is made of extruded aluminum and stainless steel to be durable and corrosion resistant. Two thermal plastic rubber caps open 4-1/2" to grip nearly anything. This tool is available in 32" and 40" lengths as well as 60", 72", 96" and 120" lengths which fold for more convenient storage.



Length	Catalog Number
32"	32RE
40"	40RE
60" (Folding Model)	60REF
72" (Folding Model)	72REF
96" (Folding Model)	96REF
120" (Folding Model)	120REF
Replacement Cups	RECUP

AutoCut™

Copper Tubing Cutter



This is a great tool to have when you don't have enough swing room to use a full-size tubing cutter. You can cut copper tubing with less than one inch of clearance. And it's ideal for stub-out work.

And it's quicker than conventional cutters. Just snap it on the tube, close the gate and turn. The cutter wheel automatically tightens as you turn the AutoCut – no knobs to twist. The cutter wheel is spring loaded to provide a constant cutting pressure, so you'll never accidentally crimp the tubing.

Stub-Out Work

Can be closer to the wall than conventional pipe cutters because there's no turning handle to get in your way.

For extra leverage in awkward spaces, you can get a Ratchet Turning Handle. It slides over the AutoCut from either side for maximum ease of operation.

The AutoCut has long lasting hardened steel cutting wheels that are easy to replace when the time comes. Keep a 1/2", 3/4" and 1" AutoCut in your tool box. Watch out though, they'll spoil you.



Catalog Number	For use with:	Standard Pack
ATC-12 Copper Tubing Cutter	1/2" (13 mm) copper tubing	12
ATC-34 Copper Tubing Cutter	3/4" (20 mm) copper tubing	12
ATC-100 Copper Tubing Cutter	1" (28 mm) copper tubing	6
RH-12 Ratchet Handle	ATC-12 1/2" Tubing Cutter	8
RH-34 Ratchet Handle	ATC-34 3/4" Tubing Cutter	8
ATCW Replacement Cutter Wheels	ATC-12, ATC-34 and ATC-100	12

Not for use with soft copper
AutoCut Patent No. 5903980 – Canada Patent No. 2187868

SuperSlice™

A Better Way to Cut Plastic Tubing



A patented V-point blade pierces hard or soft plastic tubing, then slices through to give a clean, easy cut with virtually no tube deformation. The blade is offset to give you powerful, penetrating action with a minimum of force.

Use it on PEX, PVC, CPVC, irrigation pipe, plastic or rubber garden hose, and plastic electric conduit. One squeeze does the job.

Ergonomically designed handles give you a sure grip with lots of leverage. Easily cuts tubing as large as one inch in diameter.

SuperSlice has the blade that gives you the edge.

Catalog Number	Standard Pack
SUS SuperSlice Tubing Cutter	10

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 ends and traps, thoroughly and safely cleaning metal, plastic, and clay pipes. As it spins it also self-sharpens 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.

General's ClogChoppers are:

- Maneuverable. The perfectly balanced ClogChopper™ automatically negotiates multiple, tricky bends – maintaining a central line position and minimizing pipe wall, elbow, connection and joint damage.
- Efficient. With “all surface” cutting edges, ClogChopper™ clears clogs and scrapes encrusted debris from inner walls – into and out, all in one operation. The six inverted cutting edges run smoothly, without rattling or jumping.
- Economical. Durable enough to handle years of demanding use in residential and commercial applications, ClogChopper™ actually self-sharpens while working.
- Versatile. General offers ClogChopper™ connectors for most popular brands of drain cleaning machines.



**Cat # 2CG
2" ClogChopper**



**Cat # 4CG
4" ClogChopper**



General
PIPE CLEANERS
www.drainbrain.com

The toughest tools down the line.™



MADE IN USA

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PIPE CLEANERS
www.drainbrain.com

McKees Rocks, PA 15136 USA
800-245-6200 or 412-771-6300

C-FLC/10/12