

MOST IMPORTANT - RISK ASSESS!!!

Before you commence any work at your chosen work area, you should undertake some preliminary hazard identification and risk control precautions. Ideally more than one person should do this.

This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice

The hazard identification and control process steps are defined as:

1. Identify the Hazards (e.g. 240V power drill use around wet areas)
2. Assess the Risk (multi earth paths - possible electrocution)
3. Select the Control Measure (e.g. dry the area; use an RCD; use a cordless drill etc)
4. Re-assess the Risk (risk of electrocution now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

HELP

If the unit does not operate correctly or you are unhappy with its performance, return it to the nearest Kennards Hire Centre for exchange or phone for assistance. **Do not attempt repairs yourself.**

Refer to your hire contract for details of our **AFTER HOURS EMERGENCY NUMBER.**

PERSONAL PROTECTION EQUIPMENT (PPE)

					
Hearing Protection	Protective Gloves	Respiratory Protection	Safety Glasses	Overalls	Steel Toe Capped Boots

SAFETY DO'S

General Safety Do's

It is recommended that heavy duty gloves are used.

Keep proper footing and balance at all times and avoid standing on damp, wet or slippery surfaces.

Be aware of chemical drain cleaners in pipe – they may be both poisonous and damaging to skin and eyes.

Avoid wearing loose clothing or jewellery that could catch in the moving parts.

If an injury such as a cut occurs when operating a drain cleaner, seek immediate medical attention as infection and disease can be transmitted through sewer equipment.

Electric Safety Do's

When disconnecting or connecting cables to an Electric Drain Cleaner, make sure the machine is turned off.

Connect Electric Drain Cleaner to a suitable 240 volt power supply.

Always use a Residual Current Device when using an Electric Drain Cleaner.

If using an extension lead, use a heavy duty type and make sure it is no more than 15 metres in length, and that all the connections are free from moisture.

SAFETY DON'TS

General Safety Don'ts

Never attempt to negotiate a 'P' trap smaller than 100mm (4").

Electric Safety Don'ts

The Drain Cleaner is not suitable for PVC pipes, use only on earthenware pipes.

Don't allow slack to develop in the cable, this can whip and injure you. This can be avoided by keeping cables as taut as possible.

Under no circumstances should the Electric Drain Cleaner be used in the rain, even if fitted with an earth leakage protector.

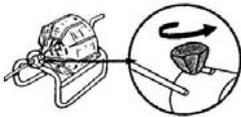
Do not force an Electric Drain Cleaner; let the motor do the work. The self feeding action of the cable will exert pressure against the obstruction.

OPERATING INSTRUCTIONS - HAND-OPERATED DRAIN CLEANERS

TYPE A: HAND DRAIN SNAKE - SUITABLE FOR PIPES AND SINKS

BEFORE STARTING

Slacken wing nut at front of machine to allow cable to run out.



TO OPERATE

1. Feed cable into pipe
2. Hold onto the machine frame and rotate handle in a clockwise direction.
3. Continue the feed cable into the pipe until blockage is reached.
4. When blockage is reached, work cable in and out whilst rotating cranking handle forwards and backwards until blockage is cleared.
5. When blockage is cleared, run water through pipe and run cable up past blockage position once or twice more to wash away debris and make sure you have cleared the blockage.

TYPE B: DRAIN RODS - SUITABLE FOR PVC & EARTHENWARE PIPES

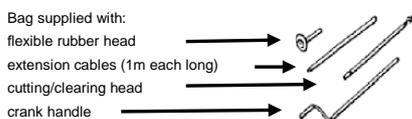
BEFORE STARTING

Connect cutting/clearing head to extension piece (screw fitted).

Connect rod to crank handle.

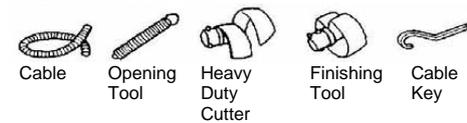
TO OPERATE

1. Feed head into pipe whilst turning handle.
2. If connection reaches pipe entrance before blockage is reached, separate and attach extension cable.
3. Repeat step 2 until blockage is reached.
4. Repeat step 4 from type A.
5. Repeat step 5 from type A



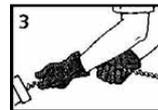
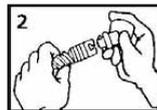
OPERATING INSTRUCTIONS - ELECTRIC DRAIN CLEANERS

TYPE C: EEL TYPE - SUITABLE FOR EARTHENWARE PIPES 75MM TO 100MM

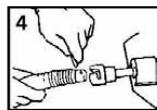


Before Starting

1. Select the initial opening tool.
2. Attach the opening tool to the correct end of the cable ensuring the snap lock pin engages in the coupling.
3. Feed into pipe opening with gloved hand/s



4. Connect other end to machine. Add extra cables as required keeping the smallest amount possible outside the opening.



TO OPERATE

1. Step behind the machine and place the switch in forward position, ensuring cable is under tension.
2. Now start the machine and let the cable feed into the pipeline.
3. Do not allow slack in cable between machine and sewer opening.
4. When machine is about 1 metre from pipeline opening, stop machine and disconnect cable and add one more cable section before resuming operations.
5. Repeat steps 2 and 3, until blockage is cleared.

TO STOP

1. Set the machine to the reverse position.
2. Ensure there are no obstacles in your path.
3. Start the machine and withdraw the cables taking up slack as you move along.
4. Hose down the cables and using the cable key disconnect the cables and store away.

TROUBLESHOOTING

ELECTRIC CLEANER

IF A TOOL OR CABLE DISLODGES FROM MACHINE

- A retriever tool can be used on the end of the existing cable which should grab the cable or tool that has dislodged.

HELPFUL HINTS

General Helpful Hints

When using drain cleaners, whenever possible, keep plenty of water running through the pipeline. This will help wash away debris.

When the obstruction has been removed, flush some additional water through the pipeline to clean the cable and tool before removal.

Electric Helpful Hints

Use the opening tool to make the initial opening. Run the machine in forward when going into the pipeline and in reverse when coming out.

Use the proper finishing tool for the final clean-up. In 75mm and 100mm diameter pipelines, the finishing tool can be used after the initial opening has been made. In larger pipelines, intermediate tools should be used before the final clean-up.

When using an electric drain cleaner the feed-in action of the cable is so positive that it is often difficult to know when a stoppage has been reached. A good indication is a labouring motor or a slippage of the safety clutch. It is a good policy to work back and forth by alternating the motor in reverse and forwards for a couple of seconds in each direction until the initial opening is made.

HANDLING

Take care when loading and unloading cables.

SPECIFICATIONS

Hand-operated Drain Cleaners

Weight-Drain Snake - 3kg

Weight Drain Rods - 3kg

Cable Length-Snake - 12m

Cable Length-Rods - 9m Set (1m per rod)

Electric Drain Cleaners

Weight-Electric - 27kg

Cable Length-Electric - Max 30m

Power - 240volt

This operating and safety brochure is intended as a guide only for the safe operation of this equipment. It does not override license requirements nor is it a substitute for a structured operating lesson.

If you are unsure about any aspect of the equipment or its capabilities or if you are in doubt as to its proper usage, feel free to consult our trained employees for instruction or the answers to any questions you may have regarding the safe operation of this equipment.