



USER GUIDE

MUCKSTOPPER 450

PATENT NO. 2110220.7



MUCK STOPPER

PATENT
PENDING

PRODUCT SPECIFICATION SHEET

MUCKSTOPPER 450



L: 511mm
Y: 425mm

X: 265mm



Name
MuckStopper 450

Code
MS450

Size
450mm

Description
MuckStopper 450mm Kit comes with 12no. 450mm MuckStoppers, 1no. set of extraction rods (4 x 1m poles) and steel cage 1.2m x 1.2m

Colour
BLACK

Weight
2.5KG

Loading
25KG

Material
POLYPROPYLENE

Compatibility
Will work with the 450mm inspection chamber of every major drainage brand

Overview

The MuckStopper 450 is designed to collect mud and debris which inevitably enters 450mm inspection chambers and prevent it from clogging the drainage system below. It protects the drains and saves on clearout and jetting costs.

The MuckStopper 450 is installed at the bottom of the inspection shaft on top of the chamber base. When debris falls in, it falls into the MuckStopper 450. Once filled, the MuckStopper 450 can be pulled up and out of the chamber with a dedicated extraction rod.

MUCK STOPPER

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PRODUCT SPECIFICATION SHEET

MUCKSTOPPER 450 KIT

L: 1200mm
Y: 1200mm
X: 1100mm



Name
MuckStopper 450

Code
MS450

Size
1200mm x 1200mm

Description
MuckStopper 450mm Kit comes with 12no. 450mm MuckStoppers, 1no. set of extraction rods (4 x 1m poles) and steel cage 1.2m x 1.2m

Colour
BLACK

Weight
**FULL 145 KG
EMPTY 103 KG**

Material
PAINTED MILD STEEL

Overview

The MuckStopper 450 kit is designed as a complete system that is quick and easy to deploy on your sites.

Each storage unit contains twelve MuckStopper 450 units and is safe to stack up to 3 high on a flat surface. Each storage unit has forklift loop pockets to provide quick and easy on-site mobility.

The extraction rods are stored within the storage unit for easy access and to ensure it doesn't get misplaced on site. The storage unit is a way of checking that you have retrieved all of your MuckStopper 450 units.

MUCK STOPPER

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INSTALLATION AND USER GUIDE



1

Install the MuckStopper 450 once you have the first riser installed and leave it in place for the duration of the project. (If the risers have already been installed, then retrofit the Muckstopper 450 by pushing it down into place prior to the cover and frame being fitted)



2

Complete the inspection chamber installation, as usual, adding the rest of the risers. Still fit the cover and frame to prevent dirt from entering where possible; the MuckStopper 450 then acts as a last line of defence to catch any dirt that does enter.



3

At the end of the project, remove the cover & frame and the MuckStopper 450 with any debris it has collected, leaving the drains free of blockages. To remove, scrape excess debris from the brushes into the bucket using the extraction rods, then pull it up from the chamber.



4

With the MuckStopper 450 removed, the final landscaping can be completed. The manhole cover and frame can be installed once the MuckStopper has been removed but not before.



USAGE INSTRUCTIONS

RECOMMENDED INSTALLATION:

1. Install the inspection chamber and the first two riser sections.
2. Insert MuckStopper 450 into the top of the riser section.
3. Push down the MuckStopper 450. When resting firmly on the inspection chamber base, it is in the correct position.
4. Complete chamber installation to the required depth in the standard way (including cover & frame).

RETRO-FIT INSTALLATION:

1. Remove cover & frame.
2. Ensure the chamber is clean and clear of debris.
3. Insert MuckStopper 450 into the top of the riser section.
4. Push down the MuckStopper 450 using the extraction rod provided as necessary. When resting firmly on the inspection chamber base, it is in the correct position.
5. Replace the chamber cover & frame.

USING & EMPTYING THE MUCKSTOPPER 450

- Perform regular checks to monitor debris levels in the chamber.
- Ensure the hook is still visible.
- MuckStopper 450 is ready for extraction when the bucket is full.
- Once the bucket is full, extract & empty using the below instructions.
- The MuckStopper 450 cannot be removed through a fixed cover & frame; therefore, it must be removed before the cover and frame are fixed in position.

EXTRACTION METHODS

MANUAL EXTRACTION USING ROD

1. Remove cover & frame.
2. Perform visual inspection to assess the condition of the manhole and depth.
3. Assemble extraction rods by screwing sections together to the required length for the depth of the chamber.

4. Loosen and dislodge any debris resting on the perimeter brushes into the bucket.



EXTRACTION ROD IS DESIGNED TO SCRAPE DEBRIS OFF BRUSHES

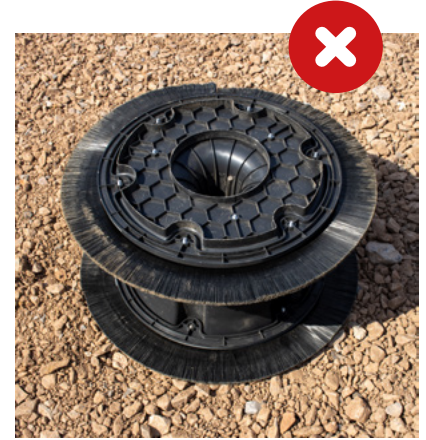
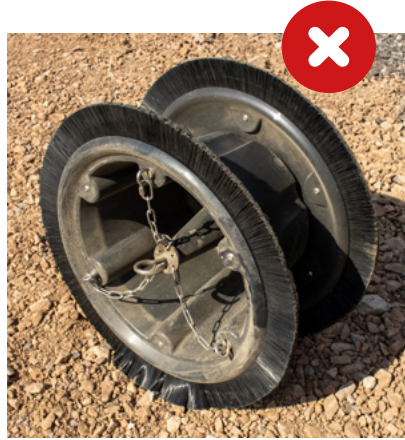
5. Link extraction rod hook into MuckStopper 450 hook.
6. Carefully lift the MuckStopper 450 up the chamber shaft. Consider seeking assistance for heavy loads; two man lift is advised. Warning: take care; brushes can flick debris on exit of the chamber shaft. Stand clear to avoid injury.
7. Place the MuckStopper 450 on a level surface and disconnect the extraction rod hooks.
8. Empty the MuckStopper 450 bucket into the correct waste stream.
9. If this is a routine empty, replace MuckStopper 450 after the task is performed. If not, fit cover & frame.

MECHANICAL EXTRACTION WITH AN EXCAVATOR OR TELEHANDLER

1. Remove cover & frame.
2. Perform visual inspection to assess the condition of the manhole and depth.
3. Assemble extraction rods by screwing sections together to the required length for the depth of the chamber.
4. Loosen and dislodge any debris resting on the perimeter brushes into the bucket.
5. Attach the lifting apparatus to the MuckStopper 450 hook using a suitably rated certified lifting chain.
6. Carefully raise the MuckStopper 450 from the chamber. Warning: take care, brushes can flick debris on exit of chamber shaft. Stand clear to avoid injury.
7. Place the MuckStopper 450 on a level surface and disconnect the lifting equipment hooks.
8. Empty the MuckStopper 450 bucket into the correct waste stream.
9. If this is a routine empty, replace the MuckStopper 450 after the task is performed. If not, fit cover & frame.

STORAGE

- Ensure all MuckStoppers are empty & in good condition.
Store on a suitable flat surface, i.e. MuckStopper storage unit or pallet.
Store in an upright position, they can be stacked.
If not using the MuckStopper storage unit, use a suitable side restraint.



LIFTING MUCKSTOPPER STORAGE UNIT WITH A FORKLIFT

1. Drive the forklift to the MuckStopper storage unit aligning the forks with the fork pockets.
2. Move the forklift forward until the forks are fully inserted into the fork pockets.
3. Carefully raise the MuckStopper storage unit and transport to the desired location.
4. Lower the MuckStopper storage unit onto stable, firm and level ground or a suitable surface.
5. MuckStopper storage units can be stacked up to a maximum of 3 units when on flat, level ground.

SAFETY INSTRUCTIONS

A site-specific Risk Assessment, and lift plan, where applicable, must be completed by the responsible person before using this equipment to control risks, produce a safe system of work and ensure safety for you, your colleagues and others. Your risk assessment will determine the correct Personal Protective Equipment (PPE) for the task you are doing. You must use it. Drainfast recommends that you should wear:



Hard hat



Protective footwear (steel toecaps)



Safety glasses



Suitable clothing



Gloves

IMPORTANT SAFETY NOTES

- Read these instructions before using this equipment. If there is anything you do not understand or if you have any concerns, do not use this equipment. Contact your supervisor or Drainfast for advice.
- You must check that you have considered all the safety requirements for your task and that this equipment is suitable.
- You must protect bystanders and the general public by preventing access to the working area.
- **If the bucket is fully loaded, two-man lifting is advised.**

USAGE & TRANSPORTATION

- Make sure you know how to use this equipment and understand all aspects of its operation.
- Do not operate this equipment near overhead power lines when using the extraction rod.
- Take care in confined spaces, near ceilings or similar hazards. This equipment was designed for vertical lifting. Do not drag or swing.
- Before operating this equipment, check that you have enough space to work safely and make sure that the working area is clear of hazards, obstructions and personnel.
- Before lowering MuckStopper storage unit, make sure that the landing zone is clear and capable of accepting the size and weight of the load.
- Before lifting equipment, check that the load is secured, balanced and stable. Allow space for the equipment to move if the load shifts.
- Manoeuvre loaded or raised equipment carefully. Travel and turn slowly to avoid unit becoming unstable.

PERSONNEL

- All personnel must wear relevant personal protective equipment.
- Do not wear loose clothing or jewellery and tie back long hair to avoid becoming tangled or trapped in this equipment. You must make everyone in the work area aware of what you are doing.
- All personnel involved in the lifting operation must be competent to do so and must have been briefed in conjunction with this User Guide available from Drainfast, the manufacturer.
- Do not use this equipment if you are tired, unwell or under the influence of alcohol or drugs. If you are taking any medicine or undergoing treatment, you should inform your supervisor.
- All personnel involved in lifting and transportation of this product must have read this User Guide and must be properly briefed.
- You must be competent, alert and medically fit when using this equipment. If you have a medical condition, a mental or physical disability, you must seek advice from a medical professional before using this equipment.

EQUIPMENT MAINTENANCE & CLEANING

- When not in use, store the MuckStopper 450 in a clean, upright condition and in a safe place where it will be protected from thieves and unauthorised users.
- This equipment must be inspected by a responsible person before each use and then regularly, as determined by your risk assessment or working practice. If you have any concerns about condition or suitability do not use.

MODIFICATIONS

Modifications and alterations to the product are strictly prohibited.

Drainfast operate a continuous improvement policy and therefore reserve the right to alter technical specifications and user guide details at any point without notice.

Drainfast and/or their directors, employees, insurers or recognised agents will not be held liable for consequential damages, losses or expenses relating to the inability to use the product correctly for its purpose.



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MuckStopper User Guide - Issue 1