



Clemas & Co Ltd

Industrial Cleaning Equipment
Sales - Hire - Service

HYDROMIST 35 CARPET CLEANER OPERATOR MANUAL



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Contents

	Page
1. General Information	4
1.1. Important safety advice.....	4
1.2. Guidelines for the operator	4
1.3. Transporting the machine	4
1.4. Electrical connection.....	5
2. Controls.....	5
3. Preparing the Machine	5
4. Operation.....	5
4.1. Starting the machine.....	5
4.2. Using the machine.....	5
4.3. Cleaning Carpets.....	6
4.4. Cleaning Upholstery	6
5. When Cleaning is Finished.....	6
5.1. Draining and Cleaning	6
5.2. Storage	6
5.3. Maintenance.....	7
6. After Sales Service	7
7. Guarantee.....	7
8. Waste Electrical & Electronic Equipment	7
9. Technical Specification	8
10. Accessories and Cleaning Chemicals.....	8
11. Fault Diagnosis	9
12. Declaration of Conformity.....	11

IMPORTANT

BEFORE USE READ THESE INSTRUCTIONS AND RETAIN FOR FUTURE REFERENCE

1. General information

The HM 35 litre self-contained carpet soil extraction machine is designed for the efficient cleaning of carpets and upholstery (optional upholstery kit required). It has been designed for the professional user to ensure long service life and safe operation.

We recommend that any user not familiar with carpet cleaning should read these user instructions fully before using the machine. If you have any queries please contact the supplier who you purchased the machine from or Truvox International on the contact details provided at the back.

This machine must only be used for the manufacturer's approved application. The HM 35 is designed for the cleaning and removal of normal carpet soil. **Do not use** the machine where it is suspected that the carpet or upholstery contains health endangering dust or debris such as asbestos or chemical waste. If this is suspected **do not proceed**, contact your supervisor, supplier or Truvox International for advice.

The following instructions contain important information about the machine and safety advice for the operator.

Equipment must be operated, serviced and maintained in accordance with the manufacturer's instructions. **If in doubt contact the supplier of your machine.**

These instructions are valid for the following models:
HM 35

1.1 Important Safety Advice

When using electrical equipment basic safety precautions should be followed including the following.

- Read all instructions carefully before use.
- Keep children and unauthorised persons away from the machine when in use.
- **Do not** leave the machine connected to the electricity supply when not in use; always remove the plug from the socket-outlet.
- Switch off the machine before removing the plug.
- When unplugging pull the plug, not the supply cord.
- **Do not** operate switches or touch the mains plug with wet hands as this may cause electric shock.
- The plug of the power supply cord must be removed from the socket-outlet before

commencing cleaning of the machine or undertaking maintenance operations.

- The power supply cord must be regularly inspected for signs of damage.
- **Do not** operate the machine with a damaged supply cord or plug, or after the machine malfunctions or is damaged in any way. Contact an authorised Service Agent for repair or adjustment.
- **Do not** use where hazardous dust is present.
- **Do not** use in an explosive atmosphere.
- **Do not** pick up oil or other flammable material with the machine
- Take care when using a machine near the top of stairs to avoid overbalancing.

1.2 Guidelines for the operator

- Operators must be fully trained in the use of the machine in accordance with these instructions, able to perform user maintenance and the correct selection of accessories.
- Operators should be physically capable to manoeuvre, transport and operate the machine.
- Operators should be able to recognise unusual operation of the machine and report any problems.
- Wear suitable footwear to avoid slipping.
- Wear suitable clothing to keep dry and warm.
- Where possible implement job rotation and adequate rest periods to avoid continuous use of the same muscles.
- **Do not** leave the machine running unattended.
- **Do not** allow children to crawl on carpets until thoroughly dry.
- Keep cleaning solutions away from children and pets at all times.
- **Do not** smoke when using the machine.
- **Do not** put any objects into openings. **Do not** use with any opening blocked: keep free of duct, lint, hair, or anything that may reduce air flow.
- **CAUTION** - This machine is for indoor use only and should not be used or stored outdoors or in wet conditions.
- **WARNING** – Should water or foam emit from the machine exhaust **switch off immediately** and refer to instructions for **Using the Machine**

1.3 Transporting the machine

When transporting the machine ensure that all components, tanks and removable parts are securely fastened, and that the supply cord and plug are not trailing. Detach hose and wand from machine for ease of carriage.

Do not lift or transport the machine whilst containing liquid as this will add considerably to the weight.

Take extreme care when moving the machine up or down steps or stairs.

NOTE: Raise the carpet brush when transporting machine

CAUTION – Incorrect lifting techniques may result in personal injury. We advise that the manual handling regulations are followed.

1.4 Electrical connection

- Before connecting the machine to the power supply, check that your supply voltage corresponds with that marked on the rating label on the rear of the machine.

UK only

- The supply cord is fitted with a non rewirable plug containing a 13 amp fuse. Should the fuse require replacement it must only be replaced by a 13 amp fuse conforming to BS1362, and the fuse cover must be refitted. If the fuse cover is lost the plug must not be used until the correct replacement cover is fitted.
- **IMPORTANT** - If the supply cord is damaged, it must only be replaced by a special cord available from the manufacturer or an authorised service agent.

Should an extension cord be used, ensure cord rating is adequate for the equipment. Do not use extension cord in coiled condition as this could result in overheating of the cord.

2 Controls



1. Brush
2. Pump
3. Vacuum
4. Solution switch

3 Preparing the machine

- Fill the fresh water solution tank with water and approved carpet cleaning chemical (Fig 1). Warm water can be used to aid cleaning, however this can increase the risk of colours fading and carpets to shrink.
WARNING: DO NOT overfill

Fig 1



NOTE: Ensure chemical is diluted correctly according to instructions on the container.

- **DO NOT** use the waste tank to fill the solution tank as debris could damage the pump or block the jet.
- Add defoamer solution per manufacturer's instructions as needed.

4 Operation

4.1 Starting the machine

- Plug the main power cable into an outlet.
- Press the vacuum switch to the ON position. Then press the pump switch ON and the brush switch to the ON position.
- Lower carpet brush (Fig. 2). Push brush pedal forward to lower brush. Push down and back to raise brush.

Fig. 2



4.2 Using the machine

- Press and hold the solution switch to apply the cleaning solution. Pull the machine backwards at the same time to clean the carpet. Stop the solution spray about 30cm before the end so all of the solution is vacuumed up. Slightly overlap the next cleaning pass to prevent streaking. A two (2) wet pass maximum is recommended to avoid overwetting. After a few passes, check the waste tank to see that no foam is present. Add extra defoamer if necessary.
- Make sure to empty the recovery tank (Fig. 3) when it is approximately $\frac{3}{4}$ full. Do not refill the solution tank without emptying all the contents of the recovery tank first.

Fig. 3



- **IMPORTANT** – Ensure recovery tank is emptied whenever solution tank is filled.
- **IMPORTANT** – Do not run the pump motor when the solution tank is empty, as this will damage the motor.

4.3 Cleaning Carpets

Colour fastness - Before using cleaning solution or pre-spotter, test carpet for colour fastness on an inconspicuous area. Apply solution to a small piece of clean white material or tissue, and then rub on carpet vigorously. Excessive amounts of dye showing on the material indicate that the colours are not fast, and the carpet should not be wet cleaned.

- Move furniture around to give a clear working area. Cover bottoms of furniture legs where necessary (aluminium cooking foil is ideal). Pin up curtains and drapes.
- Vacuum carpet thoroughly to remove any residual dust or debris.
- Areas of heavy carpet soiling can be removed more easily if first treated with a concentrated cleaning solution or pre-spotting solution.
- Rate of cleaning will depend upon the thickness of the carpet and the degree of dirt in the area being cleaned.
- **Do not** clean any area more than twice. Carpets may shrink if they are over-wet or not properly fixed down.

4.4 Cleaning Upholstery

This is done in the same way as carpet cleaning except using the upholstery tool in place of the wand assembly. Cleaning is achieved using a gentle dragging motion of the upholstery tool over the material.

- An inconspicuous area of the item to be cleaned should always be tested for colour fastness prior to cleaning. Should doubt exist as to the suitability of the fabric for wet cleaning, the chemical manufacturer should be consulted for advice.
- Loose cushions should be removed and cleaned separately.
- **Do not** over-wet upholstery.

5 When Cleaning is Finished

5.1 Draining and Cleaning

To drain solution tank: connect the drain solution hose (grey hose with brass connector) to the solution fitting at the front of the machine (Fig. 4) and place the other end at the drain or bucket. Turn on the PUMP switch. This will pump out the remaining solution.

Fig. 4



5.1.2 Draining the recovery tank

- To drain the recovery tank: release the drain hose at the rear of the machine and empty into a bucket (Fig 5).

Fig. 5



5.2 Storage

- To disconnect the solution hose, push in on the ring of the solution filling. Switch off the machine, remove power plug from the socket, and empty the recovery tank. Leave recovery tank open when storing.
- The brush should be raised for storage.
- After use check that water tanks are empty and clean and dry the machine as described.
- We recommend running the vacuum motor for approximately 2 minutes after use and before storage to eliminate condensation within the machine body, thus ensuring the motor and particularly the bearings remain dry.
- Store machine with recovery tank lid removed. Deodoriser may be left in the tank to prevent unpleasant odours.
- Wrap supply cord around handle ensuring that plug is not trailing on the floor.
- Store extractor indoors in a dry area.
- Do not store in freezing temperatures.

5.3 Maintenance

WARNING - Before undertaking maintenance operations or adjustments switch off machine and unplug from the electricity supply.

To receive reliable service from this equipment, regular daily maintenance is a requirement. Fabric cleaning, both carpet and upholstery, is a very dirty environment for any equipment.

The following recommendations are offered.

- Keep the equipment clean, both inside and out.
- **Supply cord** - Regularly inspect sheath, plug and cord anchorage for damage or loose connection.
- **Solution tank** – check filter is clean and undamaged. A damaged filter must be replaced or damage to pump head and spray jet could occur.
- **Vacuum head** – Check and remove any debris or lint build-up from the head.
- **Spray jet** – Check jet for blockage and full spray pattern. Blow through jet to clean. **Do not** use a pin, as this could damage the jet.
- Lubricate brass quick disconnects and drain valves with a quality lubricant such as WD-40.
- Flush solution systems after use with clear, clean water. (A white vinegar solution may also be used). This will counter-act hard water and alkaline deposits and aid in keeping orifices clean.
- Do not allow fluid either in solution or waste tank to sit overnight. The unit should be emptied and cleaned daily / after every use.
- Clean the strainer in the solution tank, the filters on the vacuum stack in vacuum tank and all lint filters in the inlet or vacuum tanks daily / after use.
- Do not use the same bucket to fill solution tank that is used to remove waste from the recovery tank.
- When the unit is not in use, leave the recovery tank lid open.
- After use / before storage, run the vacuum for 2 minutes with lid open and filter off.

IMPORTANT – All other servicing and repairs should only be performed by a Truvox engineer or Authorised Service Agent.

IMPORTANT – Should the machine fail to operate please refer to the fault diagnosis section in the back of the instruction manual. If the problem / remedy is not listed please contact Truvox Customer Service Department for rapid attention.

6 After Sales Service

Should you require after sales service please contact the supplier from whom you purchased the machine, who will arrange service. Repairs

and servicing of Truvox products should only be performed by trained staff. Improper repairs can cause considerable dangers to the user.

Enquire about the Truvox low cost and efficient Maintenance Contract.

7 Guarantee

Your product is guaranteed for **one** year from the date of original purchase, or hire purchase, against defects in materials or workmanship during manufacture. Within the guarantee period we undertake at our discretion, to repair or replace free of charge to the purchaser, any part found to be defective, subject to the following conditions.

CONDITIONS

1. Claims made under the terms of the guarantee must be supported by the original invoice/bill of sale issued at the time of sale, or the machine Serial Number.
2. For claims under this guarantee contact the supplier from whom you purchased the product who will arrange the appropriate action. Do not initially return the product as this could result in transit damage.
3. Neither Truvox nor its distributors shall be liable for any incidental or consequential loss.
4. This guarantee is governed by the laws of England.
5. This guarantee does not cover any of the following:
 - Periodic maintenance, and repair or replacement of parts due to normal wear and tear.
 - Damage caused by accident, misuse or neglect, or the fitting of other than genuine Truvox parts.
 - Defects in other than genuine Truvox parts, or repairs, modifications or adjustments performed by other than a Truvox service engineer or authorised service agent.
 - Costs and risks of transport relating directly or indirectly to the guarantee of this product.
 - Consumable items and wear parts such as drive belts.

This guarantee does not affect your statutory rights, nor your rights against the supplier arising from their sales or purchase contract.

8 Waste Electrical & Electronic Equipment

Do not dispose of this device with unsorted waste. Improper disposal may be harmful to the environment and human health.

Please refer to your local waste authority for information on return and collection systems in your area.

9 Technical Specification

230 V ~ 50 Hz, Class I construction. Enclosure to IPX4. With 15m supply cord and 13A fused plug.

Model	Unit	HM 35
Code		HM35
Voltage / frequency	v	230 / 50
Vac motor type		3 stage
Vacuum motor	W	1000
Pump power	W	165
Pump pressure	Bar/psi	6.9/100
Flow rate	l/m	6.8
Water lift	mm/kPa	3048 / 30
Solution tank capacity	l	35
Recovery tank capacity	l	35
Brush motor	W	250
Brush adjustment		Floating
Brush width	cm	45
Brush speed	Rpm	1800
Sound pressure level	dB(A)	78
Tank construction		Polyethylene
Cable length	m	15
Size (L x W x H)	cm	93 x 47 x 88
Weight empty	kg	47
Warranty		1 year

Truvox International is a BSI Registered Company and our policy is one of continuous development. We reserve the right to change specifications without prior notification.

10 Accessories and Cleaning Chemicals

Machine	Accessory	Part Number	Description
HM 35	Hose Upholstery tool	20-0183-0000	Ideal for cleaning spots, stairs and upholstery.

Chemical	Bottle size	Bottles per case	Part No.	Usage
HM Carpet Cleaning Solution	500ml	10	HMC01005	The quality way to beautify carpets and upholstery. Formulation lifts dirt and stains out of your carpets and helps prevent re-soiling. Leaves carpets and upholstery soft and fresh.
	1 litre	10	HMC01010	
	5 litre	4	HMC01050	
HM Pre-spotter	500ml trigger spray	10	HM003005	Formulated to help remove stubborn stains from carpet and upholstery

IMPORTANT: Genuine accessories and chemicals are only available from authorised Service Agents or the Truvox Customer Service Department.

11 Fault Diagnosis

Problem	Reason	Remedy
Motors not running	<ol style="list-style-type: none"> 1. power not reaching main switch 2. Defective power cable. 3. Faulty switches or wiring. 4. Problem with brushes, field windings, or armatures. (vacuum or brush motor) 	<ol style="list-style-type: none"> 1. Check power supply. Check fuses. Contact service agent, supplier or Truvox International. 2. Replace cable. 3. Contact service agent, supplier or Truvox International. 4. Contact service agent, supplier or Truvox International.
Loss of vacuum suction	<ol style="list-style-type: none"> 1. Vacuum head blocked. 2. Hoses blocked. 3. Recovery tank not sealed properly. 	<ol style="list-style-type: none"> 1. Visually inspect and clear blockage. 2. Visually inspect and clear blockage. 3. Check tank for damage or adjust lid for proper fit.
Brush not functioning properly	<ol style="list-style-type: none"> 1. Drive belt broken. 2. Brush jammed. 3. Clutch bearing seized. 	<ol style="list-style-type: none"> 1. Contact service agent, supplier or Truvox International. 2. Visually inspect and clear blockage. 3. Contact service agent, supplier or Truvox International.
Spray jet not functioning properly	<ol style="list-style-type: none"> 1. Jet blocked. 2. Solution filter blocked. 3. Pump head, valves or diaphragm blocked or damaged. 4. Solenoid valve inoperative 	<ol style="list-style-type: none"> 1. Visually inspect and clean according to operating instructions 2. Visually inspect and clean according to operating instructions. 3. Contact service agent, supplier or Truvox International. 4. Contact service agent, supplier or Truvox International.