

**HYDRO-MIST**



## **User instructions**

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**Gem, Gem Plus, Champ, Champ Supreme,  
Super Champ and President**

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**Carpet soil extraction machines**

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## IMPORTANT

### READ THESE INSTRUCTIONS AND RETAIN FOR FUTURE REFERENCE

#### Product information

The **Hydro-mist** range of machines are designed for the efficient cleaning of carpets and upholstery in a variety of environments. They have been carefully designed to ensure long service life and safe operation.

It is assumed that the user has been fully trained, both in the basics of carpet cleaning and in the use of the machine in question. Truvox International Limited provide full and detailed installation sessions for all new equipment. Any user not familiar with the operation of the machine should contact their supervisor before proceeding.

Machines must only be used for the manufacturer's approved applications. They are designed for the cleaning and removal of normal carpet soil. **Do not use** machines where it is suspected the carpet contains health endangering dust or debris such as asbestos or chemical waste. If this is suspected **do not proceed**, contact your supervisor, or Truvox International Ltd. for advice.

The following instructions contain important information about the machines 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:-

**Gem, Gem Plus, Champ Supreme, Super Champ and President.**

#### 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.
- **Do not** operate switches or touch the mains plug with wet hands as this may cause electric shock.
- Switch off the machine before removing the plug.
- When unplugging pull the plug, not the supply cord.
- Keep the power supply cord clear of moving parts. During operation hazard may occur when moving the machine over the power supply cord.
- **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.
- 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 is to be regularly inspected for signs of damage. If the power supply cord is damaged, it has to be replaced.
- **Do not** use machine where hazardous dust or chemicals are present.
- **Do not** pick up oil or other flammable material with the machine.
- **Do not** use machine in an explosive atmosphere.
- When using a machine on or near the top of stairs, ensure it is securely positioned to avoid overbalancing.

## Guidelines for the operator

- The machines are for use on a firm level surface.
- Operators must be fully trained in the use of the machine in accordance with these instructions, able to perform user maintenance and the correct use 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.
- **Do not** leave the machine running unattended.
- **Do not** allow young 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.
- **WARNING** - Should water emit from the machine exhaust, **switch off immediately**, and refer to instructions for **Using the machine**.

## Transporting the machine

When transporting a machine ensure that all components, tanks and removable parts are securely fastened, and that supply cord and plug are not trailing. Detach hoses and wand from machine where applicable.

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

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

**Gem models** are relatively light and may be carried safely by the moulded handle.

**CAUTION** - **Champ and President models** are heavy. **Do not attempt to lift the machine without assistance.** Incorrect lifting techniques may result in personal injury.

## Electrical connection

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

The supply cord is fitted with a non-rewireable 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.

**WARNING** - THIS APPLIANCE MUST BE EARTHED

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.

## Solutions

**IMPORTANT** - Use only chemicals recommended by Truvox International Ltd. for optimum cleaning performance.

**Hydro-mist No.1 Cleaning solution** - Dilute in accordance with instructions on container. For best results use water hand hot approx. 50/60°C (122/140°F) max.

**Do not use any hotter.**

**Defoamer** - Where excessive foaming occurs this should be prevented by adding defoamer to the recovery tank in amount indicated on container.

**Pre-spotter** - Badly soiled areas may be sprayed with pre-spotter before cleaning. Allow approximately ten minutes for the pre-spotter to work but no longer than one hour. If spots or stains remain, repeat the process.

**Deodoriser** - Use whenever odour is a problem. It eliminates odours such as pet urine, vomit, smoke and mustiness etc. Add to solution tank in amount indicated on container label.

**Urine neutraliser** - Use where incontinence problems exist.

## Cleaning carpet

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

- Move furniture around to give a clear working area. Cover bottoms of furniture legs where necessary (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 the 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, as overwetting could result. Carpets may shrink if they are overwet or not properly fixed down.

## Cleaning stairs

**CAUTION** - When cleaning on stairs exercise great care to ensure that machine is stable and cannot overbalance, possibly causing injury to either operator or a third party. Use the optional stair / upholstery tool for cleaning in place of the wand assembly.

## Cleaning upholstery

This is done in the same way as carpet cleaning except using the optional 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.
- Care should be taken to avoid overwetting the fabric.

## Storage

- After use check that water tanks are empty, and clean and dry the machine as described.
- Store machine with recovery tank lid removed. Deodoriser may be left in the tank to prevent unpleasant odours.
- We recommend running the vacuum motor for approx. 2 minutes to eliminate condensation within the machine body, thus ensuring the motor and particularly the bearings remain dry.
- Wrap supply cord around handle or place in storage pocket (President), ensuring that plug is not trailing on the floor. Store the machine in a dry indoor area only.
- **IMPORTANT** - The machine must be protected from freezing conditions at all times. Resultant damage could cause the machine to malfunction.

## User maintenance

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

The machine should be regularly cleaned as described and the following checks performed by a trained operator.

- **Supply cord** - Regularly inspect sheath, plug and cord anchorage for damage or loose connection.

## *General information*

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- **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.

**IMPORTANT** - All other servicing and repairs should only be performed by a Truvox engineer or authorised Service Agent.

### **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.

### **Guarantee**

Your product is guaranteed for one year from the date of purchase, or hire purchase, against mechanical or electrical defects during manufacture. Within the guarantee period we undertake to repair or replace free of charge to the purchaser, any part found to be defective, excluding brushes.

No liability is accepted for damage caused by accident, misuse or neglect, or the fitting of other than genuine Truvox parts.

Neither Truvox nor its distributor shall be liable for any incidental or consequential loss.

Truvox International Limited cannot accept responsibility for repairs performed by persons other than a Truvox service engineer or an authorised service agent.

This guarantee is in addition to your statutory rights and does not affect your

rights under the Supply of Goods (Implied Terms) Act 1973, or in general.

Truvox International Limited policy is one of continual product development and we reserve the right to alter specifications without prior notice.

## The controls

Two operating switches are located on the front of the machine. Their OFF position is marked O (Fig.1).

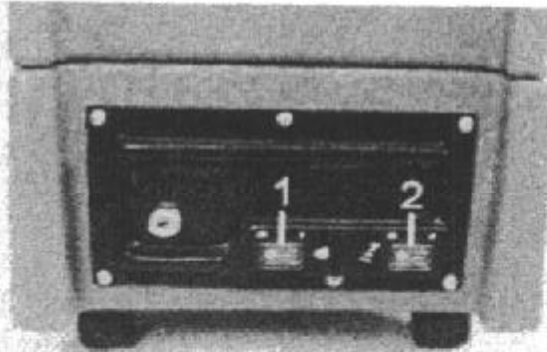


Fig.1

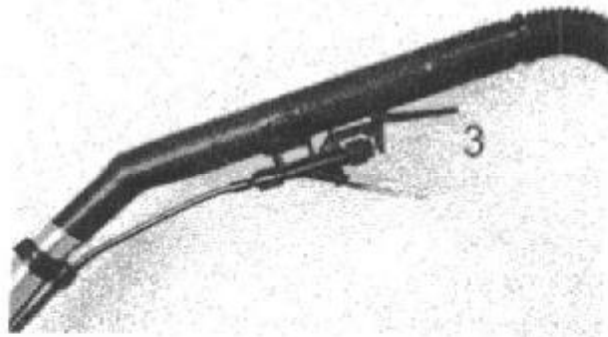


Fig.2

1. **Vacuum motor switch** - Extracts dirty water from carpet into recovery tank.
2. **Solution pump** - Pumps cleaning solution to spray jet.
3. **Spray operating lever** - Controls the cleaning solution spray (Fig.2).

## Preparing the machine

1. Release side clamps and lift off recovery tank.
2. Fill solution tank with clean hand hot water, mixed with the recommended measure of cleaning solution. **Do not** use the recovery tank as a clean water container, use a clean bucket. Dirt and sediment entering the solution tank can damage the filter and pump.

3. If the chemical does not include a defoamer or if the carpets have high chemical residues from previous cleaning, add defoamer to the recovery tank.
4. Refit recovery tank and lid, ensuring that the gasket on the vacuum motor cover is in place.
5. Connect vacuum hose to recovery tank, and solution hose to connector adjacent to switches.
6. Connect both hoses to cleaning tool.
7. Fully unwind supply cord and plug into a convenient socket-outlet. The machine is now ready for use.

## Using the machine

- Switch on vacuum motor and pump.
- Using the wand drag the head slowly over the carpet whilst at the same time raising the solution lever thus releasing the spray.
- Repeat using overlapping strokes. There is no need to apply downward pressure to the wand as no improvement in performance is obtained.
- After cleaning a small area approx. 1 metre x 1 metre, go over the area again with the wand without spraying, continuing until no more water passes through the clear section of the wand head. Proceed to the next area.
- The machine should be switched off periodically to check there is no excess foam in the recovery tank. If foam is present, either add defoamer or if using an all in one product, empty the recovery tank, rinse out and continue, checking regularly for foam build up.
- **WARNING** - If water is emitted from the underside of the machine **switch off immediately**, and empty recovery tank.
- When solution spray ceases the solution tank is empty. Switch off the machine, empty the recovery tank and refill the solution tank. **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.

### **When cleaning is finished**

- When cleaning is finished run vacuum motor for approx. 2 minutes to allow residual water in the system to be fully sucked into the recovery tank. Failure to do this may result in a small quantity of water being discharged from the wand assembly. It can also shorten the life of the vacuum motor as residual water can damage the bearings.
- Empty the dirty water from the recovery tank, rinse out and dry with a soft cloth.
- To empty liquid from the solution tank, detach solution hose from the wand or upholstery tool, direct the free end of the hose into a bucket or drain and switch on the pump motor. This will drain the remaining liquid from the tank.
- Finally add approx. 1/2 litre (1 pint) of clean water to flush out the tank and pump.
- Switch off pump, and dry tank with a soft cloth.
- Wash and clean machine filter after use.
- The outside of the machine may be cleaned using a mild detergent.

### **Storage and User maintenance**

Refer to instructions under General Information.



## Technical specification

Voltage 230-240V ~ 50 Hz, Class I construction. Enclosure to IPX4. Fitted with a 12m supply cord and 13A fused plug.

Gem / Gem Plus		
Solution tank capacity	ltr	18
Recovery tank capacity	ltr	19
Hose assembly	m	3
Pump pressure max.	bar	2 / 3
Vacuum motor	W	1150
Noise level (see note 1)	dB(A)	73
Body height	cm	48
Width	cm	34,5
Length	cm	50
Weight	kg	13 / 14

1 - Noise levels measured at a distance of 1 metre from machine and 1,6 metres above a carpeted floor. Measurements recorded using a hand held meter.

## Accessories

Item	Part No.
Professional upholstery tool	TW 000638
Standard upholstery tool	TW 000752
Hydro-mist No.1 cleaning solution (12 x 0,5 ltr.)	HMC 01005
Hydro-mist No.1 cleaning solution (12 x 1 ltr.)	HMC 01010
Hydro-mist No.1 cleaning solution (4 x 5 ltr.)	HMC 01050

**IMPORTANT :** Genuine accessories are only available from authorised Service Agents or Truvox Customer Service Dept.

## Fault diagnosis

The following simple checks may be performed by the operator.

Trouble	Reason	Remedy
Vacuum motor/solution pump not working.	Lack of voltage/electrical supply.	Check fuse *, supply cord, plug and socket outlet.
Vacuum motor/solution pump not working, switches illuminated.	Component failure.	Refer to Service agent.
No solution spray from jet.	Empty solution tank. Blocked solution tank filter. Blocked spray jet. Loose hose connection.	Refill solution tank. Clean filter. Remove spray jet and clean. Check hose connections.
Poor water recovery.	Poor vacuum hose connection. Vacuum head obstructed.	Check hose connections. Remove obstruction.

\* If the fuse blows several times, the machine should be checked by an authorised Service Agent.

## The controls

The machine control switches are located on the handle. Their OFF position is marked O (Fig.3).

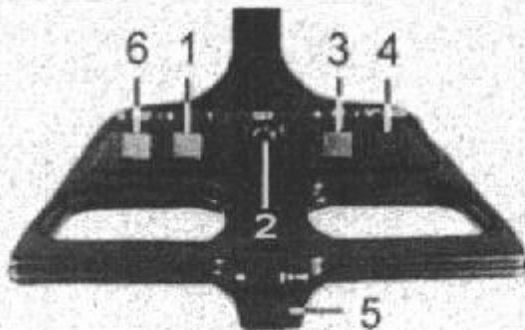


Fig.3

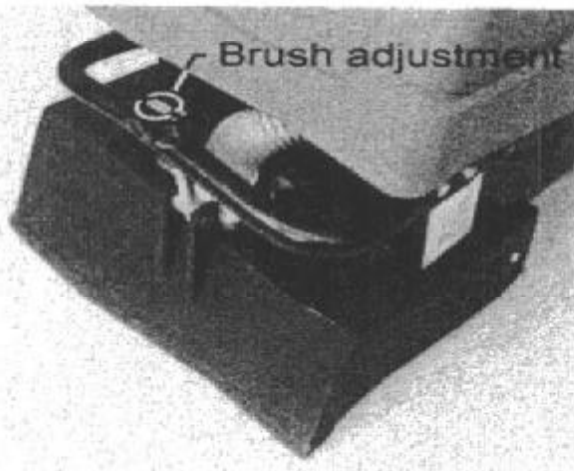


Fig.4

1. **ON/OFF Switch** - Controls electrical supply to machine.
2. **Cut-out reset button** - Cut-out operates when brush motor is overloaded. Press to reset after motor has been allowed to cool.
3. **Vacuum motor switch** - Extracts dirty water from carpet into recovery tank.
4. **Accessory or brush selector switch** Operates rotating brush or vacuum through wand/upholstery tool.
5. **Spray switch** (momentary type) - Sprays cleaning solution onto carpet.
6. **Heater switch** (Super Champ only) - Operates heater to pre-heat or maintain cleaning solution temperature to maximum 60°C.

## Adjusting the handle height

The handle may be adjusted to a comfortable working height or folded down for transportation or storage. To alter the handle position depress the pins below the round locking plate on either side of the lower handle tube. Move handle to new position and release pins to engage the locking pins with a hole in the locking plate.

**NOTE** - On Champ Supreme it is necessary to move the recovery tank to access the handle locking point.

## Preparing the machine

1. Move recovery tank handle forward to release transparent lid and lift off recovery tank.
2. Use a clean bucket to fill the solution tank with hand hot water. **Do not** use the recovery tank for this purpose as dirt or sediment could damage the pump or block the spray jet. **Do not** add cleaning agent at this stage. **NOTE** - The heater on the **Super Champ** is not intended to heat cold water, although will do if given sufficient time.
3. Adjust the machine brush height to suit carpet pile by means of the adjustment knob (Fig.4). **NOTE** - The adjustment knob is located at the rear of the machine on **Champ Supreme** and **Super Champ**. Turning the knob anticlockwise (-) lowers the brush. A guide for initial setting is to turn the brush motor on and lower the brush until the motor is heard to start taking load. Too low a setting may overload the motor, causing the cut-out to operate. Should the cut-out operate, wait a few minutes for the motor to cool, raise the brush a little and press the cut-out reset button. The machine should then restart and operate normally.

4. Add cleaning solution to solution tank.
5. Replace recovery tank and reclamp transparent lid in position.
6. Unwind supply cord and plug into a convenient socket-outlet. The machine is now ready for use.

### Using the machine

- Switch on vacuum motor and brush drive.
- Press momentary carpet spray to dispense the cleaning solution, whilst pulling the machine slowly **backwards** to clean the carpet. Stop spraying cleaning solution about 30cm (12") before end of cleaning pass to ensure all solution is vacuumed up.
- Wheel machine forward and repeat, slightly overlapping the previous pass.
- **Do not** clean any area more than twice, or overwetting could result. Carpets may shrink if they are overwetted or not properly fixed down.
- After a few passes check recovery tank for presence of foam. If foam is present, either add defoamer or if using an all in one product, empty the recovery tank, rinse out and continue, checking regularly for foam build up.
- **WARNING** - If water is emitted from the underside of the machine **switch off immediately**, and empty recovery tank.
- When solution spray ceases the solution tank is empty. Switch off the machine, empty the recovery tank and refill the solution tank. **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.

### Using accessory tools

Accessory tools may be used for cleaning upholstery and inaccessible areas etc.

- To use accessories remove grey hose from the transparent cover and insert accessory vacuum hose in its place.

- Connect accessory solution hose to hose fitting on right hand side of machine, ( on front on **Super Champ**).
- Set selector switch to accessory position and switch on vacuum motor. The accessory can now be used.

### When cleaning is finished

#### Champ model only

- Remove drain hose clipped to the lower handle and connect to hose fitting on machine.
- Remove transparent cover and place free end of hose in recovery tank.
- Set selector switch to accessory and hold down spray switch This will pump out the remaining liquid in the solution tank for easy disposal.
- Switch OFF and unplug the machine.
- Empty the recovery tank and rinse out with clean water to remove dirt and sediment.

#### Super Champ and Champ Supreme

- Switch OFF and unplug the machine.
- To empty the recovery tank place a bucket under the drain valve at the rear of the machine and raise valve handle.
- Push handle down after draining.

#### All models

- Raise brush to the fully up position. This prevents the brush bristles from being deformed by constant contact with the floor. Deformed bristles will cause excessive noise and vibration in use and reduce cleaning efficiency.
- Clean underside of machine with a damp cloth to ensure that any carpet debris is removed, especially in the area surrounding the brush and bearing assemblies. Build up of damp dirt and carpet fibres in this area can lead to early bearing failure.

### Storage and User maintenance

Refer to instructions under General Information.

**IMPORTANT** - Ensure brush is in the fully raised position when storing these models.

### Technical specification

Voltage 230-240V ~ 50 Hz, Class I construction. Enclosure to IPX4. Fitted with a 12m supply cord and 13A fused plug.

Model		Champ	Supreme	Super
Solution tank capacity	ltr	13	21	35
Recovery tank capacity	ltr	12	19	31
Brush width	cm	26,5	40	40
Pump pressure	bar	3,5	3,5	7,0
Vacuum motor (2 stage)	W	1150	-	-
Vacuum motor (3 stage)	W	-	1500	1500
Solution heater	W	-	-	1000
Noise level (see note 1)	dB(A)	74	74	75
Height (handle folded)	cm	60	72	88
Width	cm	35	47	47
Length	cm	67	63	72
Weight	kg	30	36,5	52

1 - Noise levels measured at a distance of 1 metre from machine and 1,6 metres above a carpeted floor. Measurements recorded using a hand held meter.

### Accessories

Item	Part No.
Wand assembly complete	TW 065078
Hose assembly complete (vacuum + solution)	TW 007010
Upholstery tool	TW 000638
Hose bag	TW 000644
Hydro-mist No.1 cleaning solution (12 x 0,5 ltr.)	HMC 01005
Hydro-mist No.1 cleaning solution (12 x 1,0 ltr.)	HMC 01010
Hydro-mist No.1 cleaning solution (4 x 5,0 ltr.)	HMC 01050

**IMPORTANT :** Genuine accessories are only available from authorised Service Agents or Truvox Customer Service Dept.

## Fault diagnosis

The following simple checks may be performed by the operator.

Trouble	Reason	Remedy
Machine not working On/Off switch not lit.	Lack of voltage/electrical supply.	Check fuse *, supply cord, plug and socket outlet.
Vacuum motor, brush/ pump motor not working.	Motor overload cut-out operated.  Component failure.	Reset cut-out.  Refer to Service agent.
Poor water recovery.	Vacuum head blocked.  Vacuum hose obstructed.  Damaged gasket on recovery tank lid.	Remove obstruction.  Remove obstruction.  Replace gasket.
Brush not revolving	Brush jammed by debris.  Broken drive belt.  Clutch bearing seized.	Remove debris.  Refer to Service agent.  Refer to Service agent.
No solution spray from jet.	Empty solution tank.  Blocked solution tank filter.  Blocked spray jet.  Solenoid valve failure.  Pump head valve/ diaphragm blocked or damaged.	Refill solution tank.  Clean filter.  Remove spray jet and clean.  Refer to Service agent.  Refer to Service agent.

\* If the fuse blows several times, the machine should be checked by an authorised Service Agent.

## The controls

The machine control switches are located on the front of the machine. Their OFF position is marked O (Fig.5).

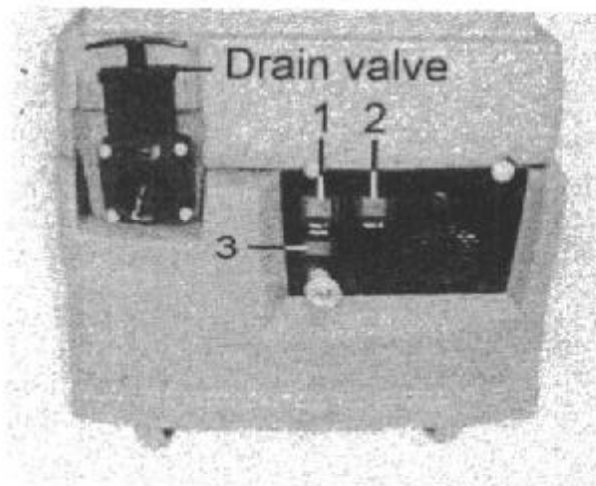


Fig.5

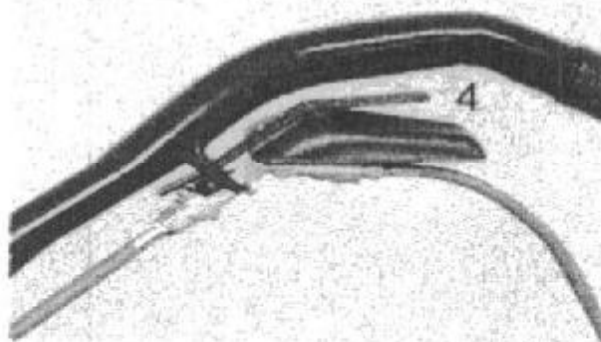


Fig.6

1. **Vacuum motor 1 switch** - Extracts dirty water from carpet into recovery tank.
2. **Vacuum motor 2 switch** - Provides added suction for dirty water removal.
3. **Solution pump** - Pumps cleaning solution to spray jet.
4. **Spray operating lever** - Controls the cleaning solution spray (Fig.6).

## Preparing the machine

1. Use a clean bucket to fill the solution tank with hand hot water. Do not add cleaning solution at this stage.
2. Connect vacuum hose to recovery tank and wand, and solution hose to machine and wand.

3. Add cleaning solution to solution tank. If the chemical does not include a defoamer or if the carpets have high chemical residues from previous cleaning, check that the recovery tank drain valve is fully closed and add defoamer to the recovery tank.
4. Unwind supply cord and plug in to a convenient socket-outlet. The machine is now ready for use.

## Using the machine

- Switch on both vacuum motors and the solution pump.
- Using the wand drag the head slowly over the carpet whilst at the same time lifting the solution lever thus releasing the spray. Repeat using overlapping strokes. There is no need to apply downward pressure to the wand as no improvement in performance is obtained.
- **Do not** clean any area more than twice, as overwetting could result. Carpets may shrink if they are overwet or not properly fixed down.
- After cleaning a small area approx. 1 metre x 1 metre, go over the area again with the wand without spraying, continuing until no more water passes through the clear section of the wand head. Proceed to the next area.
- The machine should be switched off periodically to check there is no excess foam in the recovery tank. If foam is present, either add defoamer or if using an all in one product, empty the recovery tank, rinse out and continue, checking regularly for foam build up.
- **WARNING** - If water is emitted from the underside of the machine switch off **immediately**, and empty recovery tank.
- When solution spray ceases the solution tank is empty. Switch off the machine, empty the recovery tank and refill the solution tank. **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.
- To empty recovery tank place bucket under drain valve and raise valve handle. Push handle down after draining (Fig.8).
- Should vacuum motor note change and no more water passes through the clear section of the wand, then the recovery tank is full. Switch OFF machine and empty tank.

### **When cleaning is finished**

- When cleaning is finished run vacuum motors for approx. 2 minutes to allow residual water in the system to be fully sucked into the recovery tank. Failure to do this may result in a small quantity of water being discharged from the wand assembly. It can also shorten the life of the vacuum motor as residual water can damage the bearings.
- Remove vacuum hose from wand and place free end into solution tank. Switch on vacuum motors which will then transfer the remaining liquid to the recovery tank for easy drainage.
- Switch OFF and unplug machine.
- Disconnect solution hose, and drain recovery tank.

### **Storage and User maintenance**

Refer to instructions under General Information.



## Technical specification

Voltage 230-240V ~ 50 Hz, Class I construction. Enclosure to IPX4. Fitted with a 12m supply cord and 13A fused plug.

President		
Solution tank capacity	ltr	65
Recovery tank capacity	ltr	49
Hose assembly	m	6
Pump pressure	bar	7
Vacuum motors (2 x 1500W)	W	3000
Water lift suction	m	5,58
Noise level (see note 1)	dB(A)	79
Height	cm	89
Width	cm	48
Length	cm	72
Weight	kg	45

1 - Noise levels measured at a distance of 1 metre from machine and 1,6 metres above a carpeted floor. Measurements recorded using a hand held meter.

## Accessories

Item	Part No.
Upholstery tool	TW 000639
15 metre hose assembly	TW 000645
Hydro-mist No.1 cleaning solution (12 x 0,5 ltr.)	HMC 01005
Hydro-mist No.1 cleaning solution (12 x 1,0 ltr.)	HMC 01010
Hydro-mist No.1 cleaning solution (4 x 5,0 ltr.)	HMC 01050

**IMPORTANT** : Genuine accessories are only available from authorised Service Agents or Truvox Customer Service Dept.

## Fault diagnosis

The following simple checks may be performed by the operator.

Trouble	Reason	Remedy
Vacuum motor/solution pump not working.	Lack of voltage/electrical supply.	Check fuse *, supply cord, plug and socket outlet.
Vacuum motor/solution pump not working, switches illuminated.	Component failure.	Refer to Service agent.
No solution spray from jet.	Empty solution tank. Blocked solution tank filter. Blocked spray jet. Loose hose connection.	Refill solution tank. Clean filter. Remove spray jet and clean. Check hose connections.
Poor water recovery.	Poor vacuum hose connection. Vacuum head obstructed.	Check hose connections. Remove obstruction.
Loss of suction, change in note of vacuum motor.	Blocked filter on recovery tank float, causing premature rise of float ball.	Clean filter.

\* If the fuse blows several times, the machine should be checked by an authorised Service Agent.

## EC Declaration of conformity

We, Truvox International Ltd.

of Third Avenue  
Millbrook Trading Estate  
Southampton SO15 0LE  
England

declare that the machinery

Make : Carpet soil extraction machines  
Type : Hydro-mist  
Model : Gem, Gem Plus, Champ, Champ Supreme,  
Super Champ and President  
Serial Number :  
Year of Construction : 1999

has been manufactured using the following transposed harmonized European Standards and technical specifications.

BS EN 60335-1 and BS EN 60335-2-67  
and is in conformity with:


the Machinery Directive 89/392/EEC as amended by Directive 91/368/EEC, Directive 93/44/EEC and Directive 93/68/EEC,

the Low Voltage Directive 73/23/EEC as amended by Directive 93/68/EEC, and the EMC Directive 89/336/EEC as amended by Directive 92/31/EEC and 93/68/EEC.

Signed in : SOUTHAMPTON, England

on the 28th day of June 1999

Signature :



Name : R S Papp  
Position : Operations Director

**TRUVOX CUSTOMER SERVICE HELPLINE +44 (0) 23 8070 2200**

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