



Clemas & Co Ltd

Industrial Cleaning Equipment
Sales - Hire - Service

ORBIS COMPACT SCRUBBER POLISHER OPERATOR MANUAL



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IMPORTANT

READ THESE INSTRUCTIONS CAREFULLY AND RETAIN FOR FUTURE REFERENCE

1 Product information

These floor cleaning machines are designed for the scrubbing and polishing of hard floors and/or shampooing of carpets in indoor areas. They should not be used in outdoor areas or where excessive moisture is present.

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.

Orbis – OB28240 in all voltage variants

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.
- Keep the power supply cord clear of moving parts. During operation hazard may occur when running 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 must be regularly inspected for signs of damage. If the power supply cord is damaged, it has to be replaced.
- **Do not** use where hazardous dust is present.
- **Do not** use in an explosive atmosphere.
- 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, i.e. brushes and pads etc.
- Operators should be physically capable to manoeuvre, transport and operate the machines.
- Operators should be able to recognise unusual operation of the machine and report any problems.
- Keep hands and feet well clear of rotating brushes.
- Let the machine do the work. Grip the handle as lightly as possible.
- Stand with feet slightly apart to maintain good balance. Avoid twisting the body more than 45 degrees.
- 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** smoke when using the machine.
- **CAUTION** - This machine is for dry use only and should not be used or stored outdoors in wet conditions.

1.3 Transporting the machine

CAUTION - THIS MACHINE IS HEAVY
Do not attempt to lift the machine without assistance. Incorrect lifting techniques may result in personal injury.

The machine can be moved to the area to be cleaned by wheeling on its rear transport wheels. With the handle in the upright position tip the machine backward to raise the head off the floor and push machine.

Stair Transport

Detach accessory, tilt handle and hold machine by the handgrip and the brush housing (2 persons).

Although the wheels would allow the operator to negotiate most stairs by pulling / pushing the machine up or down, the machine weighs 22kg and there is a risk that the operator may lose control of the machine or strain themselves, so we advise against climbing or descending stairs in this way.

When transporting the machine between separate sites in a car or van the handle can be locked in the folded position. Anchor the machine securely so that it cannot slide about in transit.

2 Preparing for use

2.1 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 handle of the machine. The power supply cord plus any extension leads should not exceed 30m in total, otherwise you may experience problems starting up the machine. The cross-section of any extension cable wiring must be at least 2,5 mm².

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.

WARNING - THIS APPLIANCE MUST BE EARTHED

3 Controls

The operating controls for all models are located on the handle (Fig. 1).

1 - Switch trigger, left hand

Used to switch motor ON and OFF. Can only be operated with handle in working position, and if left hand interlock button (2) has previously been depressed

2 - Interlock button, left hand

This must be depressed initially to enable left hand switch trigger to switch motor on.

3 - Switch trigger, right hand

Used to switch motor ON and OFF. Can only be operated with handle in working position, and if right hand interlock button (4) has previously been depressed.

4 - Interlock button, right hand

This must be depressed initially to enable right hand switch trigger to switch motor on.

5 - Handle adjustment lever

Used to adjust handle to comfortable working height. **Note:** For safety reasons the machine cannot be operated unless the handle is moved to a working height.

6 - Solution feed lever

Operates flow valve in solution tank (if fitted).

- Pull lever to release solution.
- Release lever to stop flow.

Cable winder

Used to hold supply cord in place on handle when machine is not in use.

Neon indicator (on handle)

Lights when the machine is connected to the power supply.

3.1 Fitting a brush or drive disc

WARNING - This appliance has been designed for use with the brushes, pad driver and pads specified by the manufacturer. The fitting of other accessories may affect its performance and safety.

Always ensure machine is unplugged before fitting or removing parts.

- Adjust handle to the fully upright position.
- Pull handle down until it rests on the floor and the brush guard is raised.
- Fit the brush/drive disc onto the drive plate and rotate it anti-clockwise until secure.
- Return machine to its normal upright position in readiness for starting.
- **IMPORTANT - Never allow the cleaning head to rest on a brush or pad when not in use.**

3.2 Adjusting the handle height

Select the most comfortable handle height using the adjustment lever as previously described (see **Controls**) and lock in position.

4 Operation

The normal movement of a machine in use is from side to side across the floor. This is achieved automatically by raising or lowering the handle whilst it is engaged in the normal working position.

Lowering the handle thereby increasing the pressure at the rear of the brush/drive disc, moves the machine to the left. Raising the handle increasing the pressure on the front of the brush/drive disc moves the machine to the right.

Inexperienced users are advised to practise controlling the machine on a smooth floor until they can handle the machine confidently.

Practice and some strength are required to operate the machine on uneven floors. The rear transport wheels should be raised off the floor whilst cleaning (Fig 3). Effective cleaning and polishing is achieved by moving the machine in a **backwards** direction.

Do not leave the machine standing on a brush or pad when not in use.

4.1 Starting the machine

- Fully unwind the supply cord from the handle and plug into a convenient socket outlet. The neon indicator on the handle should light showing that power is available.
- With the handle set at a convenient working height and with both left and right hands on the handle, depress both interlock buttons with the thumbs and squeeze both switch triggers to start the machine (Fig.2). Ensure transport wheels are **not** touching the floor during start-up and operation (Fig 3).
- Once the machine has started the interlock buttons should be released.
- To stop the machine release both switch triggers.

4.2 Polishing

- Fit polishing brush or drive disc and pad suitable for the surface to be polished. (see **Accessories**).
- Apply polish to the floor in accordance with the manufacturer's instructions.
- **Do not** keep the machine rotating on one spot for more than 3 seconds, as this could cause overheating and damage the floor surface.

4.3 Scrubbing and Shampooing

- For scrubbing or shampooing the solution tank must be fitted as described (see **Fitting the solution tank**).
- Fit a brush or drive disc and pad suitable for the surface to be cleaned. (see **Accessories**).
- Fill the solution tank with water and an appropriate measure of detergent.
- **IMPORTANT** - Use only cleaning agents suitable for automatic machines i.e. low foaming, and follow the chemical manufacturers' directions regarding use, handling, disposal and health and safety provisions. Using other chemical products (e.g. chlorinated products) can damage or destroy the machine
- Before starting the machine release a liberal amount of cleaning solution from the tank to the floor. The flow of solution from the tank is controlled by moving the left hand lever. Releasing the lever stops the flow.
- Proceed to operate the machine in the normal manner, releasing more cleaning solution from time to time as required.
- **Do not** keep the machine rotating on one spot for more than 3 seconds, as this could cause overheating and damage the floor surface.
- Dirty water should not be allowed to accumulate on the floor, it should be removed to prevent dirt from settling. We suggest using a wet vacuum cleaner for this purpose.
- When scrubbing/shampooing is complete, unplug the machine from the power supply, empty the solution tank and clean and dry the machine.

- **IMPORTANT** - Dispose of unused cleaning solution in accordance with the manufacturer's directions.

4.4 Fitting the solution tank

NOTE - The solution tank is supplied as an optional accessory item, complete with attachments and fitting instructions.

- Move the handle to the upright position and clamp the tank support bracket to the handle tube in the specified position (Fig.4). (Refer to the instructions supplied with the tank).
- Take the solution tank and loop the control cord over the left hand operating lever and tie off to a suitable length. Rest the solution tank on the support bracket with the handle tube in the groove on the back of the tank.
- To secure the tank in position, engage the locking bar on the back of the tank.
- Adjust the length of the control cord by the spring loaded cord lock to ensure there is no tension on the cord when the flow control lever is not being used.
- Take the plastic tube supplied and push into the connector on the underside of the solution tank, and the other end onto the tube on the top of the motor housing.

4.5 Removing the solution tank

- Pull off plastic tube from machine base.
- Raise locking bar on back of tank.
- Lift off tank and detach chain ring from lever.

5 Storage

Always unplug and wipe down and dry the machine after use. The machine should normally be stored with the handle in the fully upright position.

Wrap supply cord around the handlebar and cable winder ensuring that the plug is not trailing on the floor. Store the machine in a dry indoor area only.

Never store the machine with a pad or brush fitted as this causes distortion, and results in instability during operation.

6 Maintenance

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

The machine requires minimum maintenance apart from the following checks by the operator.

- **Supply cord** - Regularly inspect sheath, plug and cord anchorage for damage or loose connection.
- **Body of the machine** - Clean with a damp cloth.
- **Air vents** - Check for dust accumulation around the air inlet and outlet vents of the motor cooling-air system and clean if

necessary.

Blocked vents will cause the motor to overheat, and may lead to premature failure. Warranty claims for this type of damage will not be accepted

- **Solution tank** - Check water flow, if restricted inspect hoses and tubes for blockage or kinks. Dismantle control valve to clean if necessary. Check switch interlock for correct operation.
- **Motor overload cut-out** - All machines are fitted with an automatic reset motor overload cut-out. The cut-out will operate to protect the motor from overheating by switching the machine off when there is excessive friction/resistance to the cleaning head on the floor. This is usually caused by the stickiness of the pad or floor. Turn the cleaning pad over or if both sides are dirty replace with a clean pad. It is not possible to obtain a good finish on the floor using a dirty pad. Should the cut-out operate it will reset automatically when the motor has cooled sufficiently, usually after 15 - 30 mins.

IMPORTANT - Should the machine fail to operate contact Truvox Customer Service Department for rapid attention.

After sales service

Truvox machines are high quality machines that have been tested for safety by authorised technicians. It is always apparent that after longer working periods, electrical and mechanical components will show signs of wear and tear or ageing.

To maintain operational safety and reliability the following service interval has been defined: Every year or after 250 hours.

Under extreme or specialised conditions and/or insufficient maintenance, shorter maintenance intervals are necessary. Use only original Truvox spare parts. Use of other spare parts will invalidate all warranty and liability claims!

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.

8 Guarantee

Your product is guaranteed for two years 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 No.
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 distributor 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 such as, brushes, drive discs, filters and vacuum skirts.

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

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

9 Technical Specification

All models : Class I construction. Enclosure to IPX4. Fitted with 15m supply cord type H05VV-F 3x1.0mm² (10A), and non rewirable plug.

Model		OB28240
Working width	cm	28
Pad diameter	cm	28
Pad pressure	gm/cm ²	24.4
Voltage a.c.	V	220 - 240
Frequency	Hz	50
Motor speed	rpm	1400
Motor rating	W	550
Handle height	cm	115
Weight	kg	22
Noise Level (see note 1)	dB(A)	71.4
Handle vibration (see note 2)	m/s ²	< 2.5

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

2 - Handle vibration does not exceed 2,5 m/s², when operating on any surface with brush or pads.

Measurements recorded by an independent test laboratory.

10 Accessories

Item	Part No.	Usage
Polypropylene scrubbing brush	05-4442-0000	Wet scrubbing
Shampoo brush	05-4443-0000	Carpet cleaning
Gumati polishing brush	05-4444-0000	Polishing
Standard drive disc (see note 1)	05-4441-0000	Retains cleaning pads
Solution tank	05-4435-0000	5 litre tank for scrubbing or shampooing
Furniture guard	03-8061-0000	Additional protection from knocks

Note1: Always use high quality 28cm pads. Use of poor quality or incorrect size pads will affect machine performance. Always replace pads when they are worn or dirty.

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

11 Fault diagnosis

The following simple checks may be performed by the operator.

Trouble	Reason	Remedy
Machine not working, neon indicator not lit.	- Lack of voltage/electrical supply.	- Check fuse *, supply cord, plug and socket outlet.
Machine not working, neon indicator lit.	- Switch interlock incorrectly operated.	- Check operating procedure in instructions.
Machine wobbles or vibrates excessively.	- Pad worn or damaged. - Pad dirty. - Pad loose - Pad off centre.	- Renew pad. - Clean the pad. - Tighten pad lock. - Reposition pad

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