

**620P**  
**SCHWAMMFIX**  
**POWER SPONGE**

**User & Safety**  
**Instructions**



# REFINA POWER TOOLS & EQUIPMENT

## SAFETY INSTRUCTIONS

Conform to material or grout manufacturers recommended work methods and instructions; observe COSHH recommendations

Turn off machine before changing the sponge, undertaking any maintenance or cleaning

Do not plug the power tool into the transformer or mains power supply if the power tool switch is locked on

Wear dust masks, gloves and protective clothing if recommended by the material manufacturer

Wear eye defenders

Hold machine handle tool firmly with both hands

Do not put hands near sponge or water tub when in use

Do not wear loose clothing that could catch in the machine tool or sponge; keep long hair tied back

Do not use petrol power machines in enclosed or unventilated areas

Do not let fluid or solids from the mortar or grout get into motor or moving components

Do not force the machine; let the sponge do the work

## USE

The Schwammfix 620P is a powered continuous loop sponge cleaner

The Tile Power Sponges are machines for mechanically doing the time consuming job of removing cementitious and epoxy grout from the surface of newly laid tiles. The sponge action gives uniform and strong joints and a film free surface

### Applications

cleaning grout from floor tile surfaces

machine finishing gives uniform joint finish

continuous sponge action leaves film free tiles

upright working means more productive work

saves between 30% & 60% of grouting time

With the SpongeFix 620P gas engine you will be a lot more flexible and efficient, cleaning an area of 100 m<sup>2</sup> per hour without any additional cleaning. Your work will be done up to eight times faster! Effortless, "mortar-film-free" cleaning. No washing of joints. Extremely time-saving. Special sponge bath for epoxy

### Use

The machines drive a sponge band that cleans off the grout residue, passes through a water reservoir that cleans the sponge and rollers to remove excess water

# REFINA POWER TOOLS & EQUIPMENT

The smaller SWM25 is suitable for cement and epoxy grouts, internal and external floor and quarry tiles and will clean up to 70m<sup>2</sup> per hour

The larger SWM40 will also clean granite sets, quarry tiles, external flag-stones and paving; and is ideal for external works and pedestrian areas

Trades

Tilers, block pavers

Technical

Machine	SWM25	SWM40	SWM40P
Sponge	150x25cm	200x36cm	200 x 36cm
Weight	20kg	36kg	48kg
Motor	0.6kw	1.1kw	petrol
Work rate	70m <sup>2</sup> /hr	120m <sup>2</sup> /hr	120m <sup>2</sup> /hr
SpongeFix	620P		

The ideal machine for pavers. Its large tires (12.5 cm) make the SpongeFix 620 P the ideal pavement and slab cleaning machine for coarse and uneven surfaces. Effortless, "mortar-film-free" cleaning. No washing of joints. Extremely time-saving. No demixing of joint material.

SpongeFix 620P

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## TECHNICAL & APPLICATIONS

Grout Power Sponge

- for cement & epoxy grouts
- quickly cleans grout from quarry tiles
- granite sets & pavers
- leaves uniform & strong joint
- for external pavements & pedestrian areas
- saves up to 70% of grouting time & labour

The Schwammfix machines are for cleaning cements and grouts from quarry tiles, external pavers, natural stone and granite sets

The grout is pumped or poured into the joint; the Schwammfix machine is used to pass over the newly grouted area and to sponge off the residue leaving a clean surface and compact joint

# REFINA POWER TOOLS & EQUIPMENT

The machines will mechanically do the time consuming "hands and knees" job of removing cementitious and epoxy grout

The machines use a continuous sponge band that is fed through a water bucket and rollers; the excess sludge and water is squeezed out leaving the sponge clean to repeat the cycle

Finishing rates up to 150m<sup>2</sup>/hr

## TILE GROUT POWER SPONGE

TILE GROUT & FLOOR POWER CLEANER, electric 110v

Stock no Description Power Weight Sponge width £ ex VAT

540360 SWM620 14" power sponge 1.1kw 35kg 36cm 1495.00

TILE GROUT & FLOOR POWER CLEANER, petrol motor

Stock no Description Power Weight Sponge width £ ex VAT

540360P SWM620P 14" power sponge 4hp 40kg 36cm 1695.00

TILE GROUT & FLOOR POWER CLEANER, electric 110v

Stock no Description Power Weight Sponge width £ ex VAT

540370 SWM880 14" power sponge 1.5kw 75kg 36cm 2095.00

TILE GROUT & FLOOR POWER CLEANER, petrol motor

Stock no Description Power Weight Sponge width £ ex VAT

540370P SWM880P 14" power sponge 4hp 80kg 36cm 2295.00

## REPLACEMENT SPONGES

SPONGES, continuous band for cleaning off tiles, sets & paviors

Stock no Description Sponge width £ ex VAT

540361 SWM620 14" sponge for cement 36cm 49.95

540362 SWM620 14" sponge for epoxy 36cm 59.95

540371 SWM880 14" sponge for cement 36cm 98.95

## GROUT POWER SPONGES

SWM620

SWM880

## OPERATING INSTRUCTIONS

### Changing Water Bucket

1. Lift water container off bracket "w" and let it down.
2. Flip bracket "w" back.
3. Lift machine up.
4. Slide water container out.
5. Clean bucket, refill with water to 3½" from bottom. Do NOT overfill.
6. Re-insert water container.

### Changing Sponge Belt

1. Disconnect electric supply.
2. Remove water container.
3. Loosen Screw "E" and push top pressure roller sideways.
4. Loosen knob "S" and release height adjustment by pressing on "C" (the sponge adjuster will come down) 4.
5. Remove sponge glide control bar "B".
6. Disconnect wringer pressure roller "AP" and take it off.
7. Put machine on its left side and pull the sponge off.
8. Replace sponge; use wet sponge for easy slide on.
9. Lift machine back up and line up (straighten) sponge belt over rollers.
10. Insert "AP" wringer roller set and place into its holding studs.
11. Fasten roller clips to studs with springs.
12. Insert top pressure roller to "E".
13. Insert glide control bar "B".
14. Lift up handle bar and tighten with knob "S".
15. Re-insert water container.
16. Check all connections.
17. Do NOT run sponge dry.
18. Do NOT overfill water container (half way only).

# REFINA POWER TOOLS & EQUIPMENT

## PARTS

20201	Chain lock
40190	Sprocket for drill
62045	Rubber grip set of 2
40404	Motor
62044	On / Off Switch
40504	Sprocket Z 18
45998	Bearing 6000 2RS
62024	Drive Shaft 400/620P
62030	Chain for motor
62031	Double sprocket 11/30
62032	Chain from sprocket to rollers
62033	Sprocket Z 30
62034	Front wheel 1 PC
62035	Wheel set front 3 PC
62036	Sponge belt guide
62037	Sponge belt roller front
62038	Adjustment lifting arm
62039	Adjustment arm locking device
62040	Driving drum rubber roller
62041	Upper pressure roller
62042	Upper pressure roller arm
62043	Steering Handle
62046	Rear swivel caster
62047	Pressure clip
62048	Pressure clip roll
62049	Inner sponge belt roller
62050	Lower sponge belt roller

### A Little Hint:

The Schwammfix is set to work from left to right. Start the job on the left side and move stroke by stroke to the right side to enhance the machine's performance.

# REFINA POWER TOOLS & EQUIPMENT

## INSTRUCTIONS FOR SCHWAMMFX MACHINES

### **Please read before operating Schwammfix**

1. Before using Schwammfix, remove all objects from floor (tools, screws, etc.). Run the sponge belt several rounds through the water buckets to ensure water saturation of the sponge belt.
2. Move machine diagonally to grout joints in long strokes, 6 to 8 feet, go from left to right.
3. Forward motion pre-cleans and backward motion is the main clean. If grout joints are too low or washed away machine height can be adjusted accordingly or can be pushed up by handle when in forward motion to achieve best results. If surface is uneven, lift machine slightly during backward motion to achieve an even clean.
4. Make sure water is changed frequently to avoid foam build-up. If too much foam build-up is experienced, use Defoamer, which can be ordered from your Schwammfix dealer. Keep a second container of water ready for faster change of water.

**IMPORTANT :** Use only correct amount of water necessary; do not over-fill buckets. See instructions on each Schwammfix Machine.

5. Never run the sponge belt dry, as this may cause damage to the belt. Always moisten belt before running machine.
6. Do not expose the sponge belt to high temperatures or prolonged exposure to strong sun, as seam may split.
7. Should the sponge belt split or rip, this can be repaired using a contact spray adhesive available from Schwammfix.
8. During cold temperatures or after extensive use, the sponge belt may lengthen. If tap water gets too cold, change the water and the belt will return to its normal size.
9. Do not push machine in forward motion too fast, as sponge belt could get damaged.
10. Make sure the chain, sponge belt and rollers are greased frequently with lithium grease.
11. Clean machine after each use.

# REFINA POWER TOOLS & EQUIPMENT

## SAFETY PRECAUTIONS

To protect you from accidents when working with Schwammfix Machines, please read the following guidelines:

- Train the operator.
- Do NOT touch moving parts while Schwammfix Machine is operating.
- Wear proper clothing. No loose-fitting clothes. Always keep long hair up.
- Wear safety glasses.
- Never touch the electrical outlet with wet hands.
- Always ensure electrical supply is disconnected when changing buckets, sponge belt or working on the Schwammfix.
- Only use electrical cord and outlet with GFCI protector.
- When hosing down Schwammfix to clean, be careful that water does not enter the motorized section of the machine. Cover with plastic bag.
- Do NOT put hands in or around rollers while machine is on.
- Do NOT grease machine when machine is on.

### A Little Hint:

The Schwammfix is set up to work from left to right. Start the job on the left side and move stroke by stroke to the right side to enhance the machine's performance.

We strongly recommend you read these instructions carefully before starting any cleaning operation.

Save them for further information.

Voltage/Hz	230/50
Protection Level	IPX 4
Electrical Protection Class	Class I
Wattage	1600 W
Brush diameter	420mm
Drive disk diameter	430mm
Disk speed	154 rpm
(without load, tolerance $\pm 7\%$ )	
Weight (without accessories)	42 Kg
Noise level	54 dB(A)
Cable length	15 m
Electric accessories connection	YES

## **DECLARATION OF CONFORMITY**

PS43 which this declaration refers to, is in compliance with the following rules:

CEI 61-72/I Ed 1991

V1 (EN 60335-2-10 / 1998)

And, consequently, it is in conformity with the main requirements of 73/23/CEE directives and 93/63/CEE amendment (89/336/EEC) version 93731/CEE



# REFINA POWER TOOLS & EQUIPMENT

## **SAFETY CHECK BEFORE OPERATION**

The standard speed rotary floor cleaning machines come fitted with a standard 13 amp 3 pin plug. Ensure that the plug is attached correctly to the power supply cable and that the plug is in good order, ie that the pins are straight and that there is no visual damage.

Before operating the machine, check that the power supply cable is in good condition and has no cuts or abrasions to reveal the internal wires. If either plug or cable are not satisfactory then do not use the machine and contact your maintenance department immediately.

## **MACHINE FAILURE**

If for any reason the machine fails to operate once it has been correctly plugged into a power socket and turned on, do not attempt any form of repair. Contact your maintenance department immediately.

## **PRE-START CHECKS**

Before assembling the machine, please ensure that the drive board is of the correct size for the machine and that its drive face is not damaged.

Ensure that the floor maintenance pads that you have are compatible to the cleaning task to be performed, that they are clean and in good condition

If the cleaning operation in hand requires brushes please ensure that the brushes are clean, in good condition and match the requirement that you have.

This appliance has been designed for use with the brushes specified by the manufacturer. The fitting of other brushes may affect its safety

## **ASSEMBLY**

If the cleaning task in hand requires a solution tank to be mounted onto the machine you will note that the top and bottom of the solution tank has a tongue, these tongues should be placed into the recess's on the black quick release tank holders mounted on the handle shaft of the machine. The bottom tongue lies in a partially covered recess whilst the top tongue lies in a partially covered recess which is locked into position by a securing collar.

The solution feed tube can then be fed into either side of the machine where there is a solution feed hole. The chain mechanism which actuates the solution feed must then be assembled onto the bottom left hand lever as you stand behind the machine. Adjustments may be made so that in its normal position with the lever in a downward position that there is some slack in the chain so as not to hold the solution valve open and continuously drain the solution from the tank.

Once you have selected the pad required for the cleaning task in hand this must be centrally mounted on the drive board. The drive board is mounted onto the machine by tilting the machine onto its transport wheels and allowing the handle to rest on the floor thus exposing the drive mechanism. The drive board may then be centrally mounted onto the drive mechanism and is locked into position by turning anticlockwise. This can be checked by lightly pulling on the drive board.

# REFINA POWER TOOLS & EQUIPMENT

If the cleaning operation in hand requires a brush then your selected brush is put onto the drive mechanism in exactly the same way as a drive board and pad

## OPERATION

Return the machine to its upright position with either pad or brush suitably mounted on the drive mechanism of the machine uncoil the cable from the machine and plug into the nearest 13amp 240v supply and switch on

After returning the machine to its upright position you will notice two black thumb slides on the top of the machine handle and directly beneath two levers. Beneath these two levers as you stand behind the machine, are two long levers, the left hand lever is the solution control lever for when you have a tank fitted, the bottom right hand lever is the handle adjustment control lever. This lever should be pulled upwards and the handle lowered to a comfortable working position. This will be when your back is straight and your arms are slightly bent at the elbows, with that position established lock the handle by releasing the adjustment lever. The adjustment position must then be checked by raising and lowering the handle so that the locking pin engages in the adjustment gear. With a correct comfortable working height the machine base should be parallel with the floor.

With a comfortable working position established either the left or right thumb lever should be pushed towards the centre of the handle and the respective lever on the underside of the hand grip **pilled** in . This will immediately start the machine, you will notice the instant the machine starts the handle will try to move from left to right for a split second. This is perfectly normal. With the machine running and the brush or pad flat on the floor the machine will stay in a central position. To move the machine from side to side the handle must be raised or lowered very slightly. To move to the right raise the handle of the machine, to move to the left slightly lower the handle of the machine. The speed at which the machine moves either left or right will depend entirely on the amount the handle is raised or lowered. If you should feel at any time that you are no longer in control of the machine or that it is becoming difficult to control, release the levers and the machine will stop. To master the efficient use of you machine we suggest that you practice these exercises for short periods. When you have mastered the technique you will find that you can control the machine very easily with no effort with one hand. Should you experience any difficulties in the operation of the machine please contact your supervisor. Dependent upon the cleaning task in hand check your floor pad on a regular basis, if the floor maintenance pad becomes clogged or dirty it will lose its effectiveness and the pad must be either cleaned by rinsing under a tap or simply turned over.

## END OF USE

After the cleaning task in hand has been performed it will be necessary to remove any accessories from the machine, if a tank has been fitted the solution must be drained from it and then the tank must be removed by removing the solution control chain and solution feed tube, lifting the black collar retaining the top tank tongue and lifting the tank from the machine. Always rinse the tank after use. To remove the drive board tilt the machine back onto its transportation wheels and lay the handle on the floor and with the pad still in position twist the drive board clockwise.

On new machines because of manufacturing tolerances the drive board or brush might be a little sticky and require a firm hand to release it from its coupling. Never leave a drive board or brush on the machine.

# REFINA POWER TOOLS & EQUIPMENT

Return the machine to its upright position and wipe the cable as you are coiling it, should you at this point notice any nicks or abrasions that reveal the inner wiring please report this immediately to your maintenance department. Should the machine malfunction at any point in its operation, switch off at the mains and report this immediately to your maintenance department. Always prior to storing the machine wipe away any accumulation of dirt and dust, after the machine has been cleaned and stored if you have been using floor maintenance pads take them and run them under a tap ensuring that any residue, dust or build up is removed and then hand them to dry.

NEVER store the machine on its drive board as this will distort the drive board and make the machine difficult to handle in the future.

Special attention should always be given to the cable, always wind the cable around the bottom cable hook and handle rather than looping the cable loosely around the machine handle.

## **DO'S AND DON'TS**

- Do read these instructions thoroughly before starting any cleaning operation
- Do keep the machine clean and tidy
- Do rinse off any equipment especially the solution tank if chemicals have been used
- Do ensure that the pads that you use are in a good clean condition
- Do not store the machine on either its drive board or a brush
- Do not leave the machine in a dirty condition
- Do not operate if the mains power cable is damaged
- Do not over reach the machine – unplug and move to a nearer power point
- Do not try and remove the plug from the socket with the cable