

The logo for rotowash, featuring the brand name in a bold, white, lowercase sans-serif font centered within a solid blue rectangular background.

## **CAUTION**

**Do not operate this  
appliance before reading the  
instructions.**

## **INSTRUCTION MANUAL**

### **Floor Cleaning Machine**

A solid blue horizontal bar located at the bottom of the page, above the version information.

Version 29.01.13 (# 77458)

**DEAR  
ROTOWASH  
USER!**

Your ROTOWASH is a valuable help in dealing with many cleaning problems. Please read this manual through carefully to enable you obtain the best results from your ROTOWASH.

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**The following points must be observed before the ROTOWASH is used, also during use or by service work:**

- ✓ The machine may only be used by persons who have been trained in its use and who have been specially appointed as ROTOWASH trained operatives.
- ✓ This device may not be used or stored outside or in a damp room.
- ✓ This appliance is suitable for commercial use for example in hotels, schools, hospitals, factories, shops, offices and rental businesses.
- ✓ This appliance is not suitable for picking up hazardous dust.
- ✓ The specified voltage on the rating plate must match the voltage of the power source.
- ✓ The electrical connection must be made with a three contacts socket (with earth ground).
- ✓ It is not allowed to use this machine without an earth ground.
- ✓ All connections of the mains supply cable must be protected at least against water splashing.
- ✓ The electrical plug must be disconnected from the main electricity supply before cleaning and servicing the machine, before changing parts and before changing over to another machine function.
- ✓ Running over the mains cable can be dangerous.
- ✓ Avoid damage to the mains supply cable by not running over it and by not squashing or pulling it etc.
- ✓ The mains supply cable must be examined regularly for possible damage or wear.
- ✓ The machine must not be used if such damage is evident.
- ✓ This substitute cable must be of an equivalent type (H05VV-F 3G1.5mm<sup>2</sup>) to the cable fitted by the manufacturer or an original ROTOWASH spare part must be fitted.
- ✓ Use only specified brushes with the machine supplied. The use of other brushes can compromise safety and performance.
- ✓ When transporting the ROTOWASH in a lift ensure that the handle is placed in such a position to avoid a possible jamming against the lift walls.
- ✓ The water level on the floor must not exceed 3 mm. (approx. 2/16").
- ✓ The use of cleaning fluids which foam excessively or contain Hydrochloride based substances invalidates the guarantee.
- ✓ Check before use, whether the brushes are suitable for the intended application
- ✓ This appliance is not intend for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given initial supervision to instruction concerning use of the appliance by a person responsible for their safety.
- ✓ Children should be supervised to ensure that they do not play with the appliance.

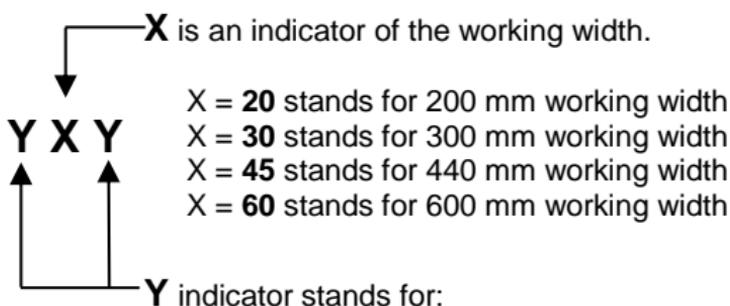
**Attention:**

- ✓ If the loop handle is separated from the machine, the IPX4 standard may not be existent, depending on the handle's individual position.
- ✓ Check the stripper blade and have it replaced by a professional service technician before it gets too sharp. Never attempt to replace the stripper blade with your bare hands - Risk of Injury!

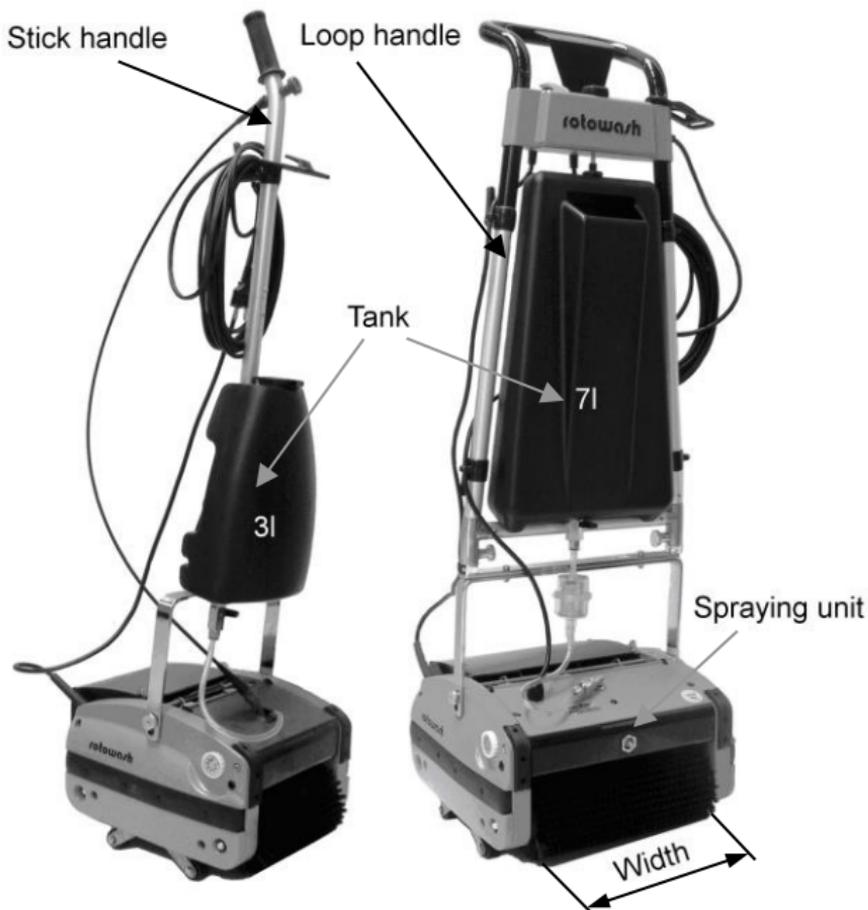
**KEEP THIS INSTRUCTION MANUAL!!!**

## WHAT IT IS

This instruction manual is for following cleaning machines:



Y	Handle:	Tank:	Cleaning Solution Distribution:
L /	Stick handle	without	gravity feed
T	Stick handle	3 litre	gravity feed
A	Loop handle	without	gravity feed
S	Loop handle	7 litre	gravity feed
S-M	Loop handle	7 litre with magnetic valve	electrical-gravity feed
B	Loop handle	7 litre	electrical spraying unit



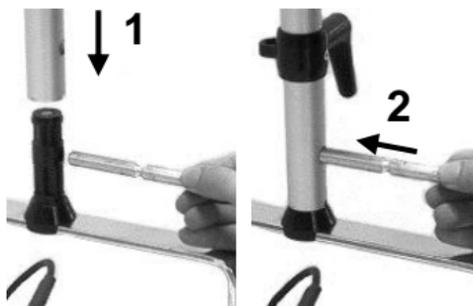
e.g. 20T

e.g. 30B

# ASSEMBLY

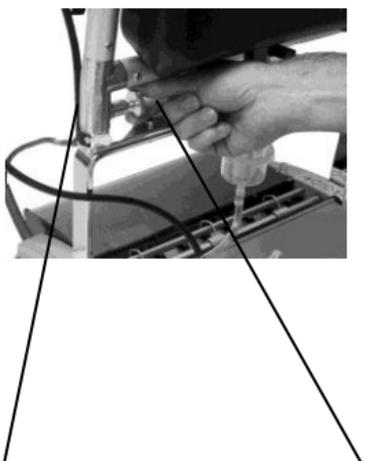
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## Installing the stick handle for L, T



Place the handle (1) on the plastic handle connector on the fork and push connecting pin (2) through to locate handle.

## Installing the loop handle for A, B, S, S-M



Place the loop handle on the aluminium handle connectors and fit spring loaded bolts to locate.

Lead the plastic tube from the tank water valve on model S / magnetic valve on model S-M, into the clean water tray, on model B connect to the pump (spraying unit) inlet.



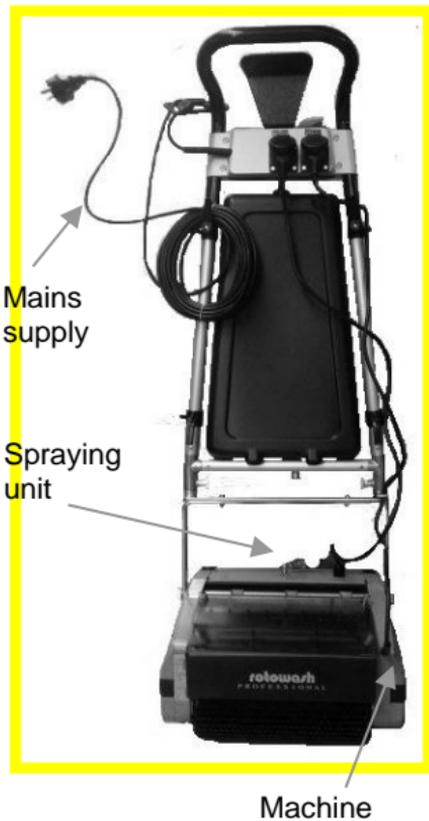
## Installing the bowdencontrol for L, T, A, S



Lead the bowdencontrol under the handle into the cleanwater tray and screw together the water valve tube and the plastic nut. Be careful not to twist the bowdencontrol and test the ease of operation by pushing the red button at the top end of the stick handle.

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## Fitting the cables



### A, S

Fit the electrical plug from machine into the correct socket.  
Machine → motor socket

### B, S-M

Fit the electrical plugs from the machine and sprayer /magnetic valve into the correct sockets.  
Machine → motor socket  
Spraying unit → pump socket  
Magnetic valve → pump socket



Pump socket

Motor socket

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## Fixing the main cable



Push the mains cable into the purpose-made hooks on the handle. This will avoid the cable being run over by the revolving brushes

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## Cable safety



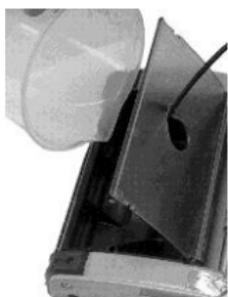
Place for an extra protection the main cable in the cable safety.

Push the mains cable into the purpose-made hooks on the handle. This will avoid the cable being run over by the revolving brushes

# WORKING WITH ROTOWASH

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## Cleaning liquid



Use only cleaning liquids which are recommended by a cleaning expert. If in doubt consult your ROTOWASH dealer.

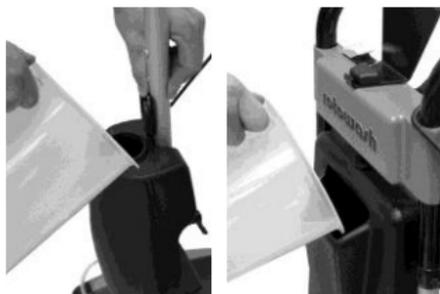
### Tray capacity:

20 1,0 Litre (2 pints)

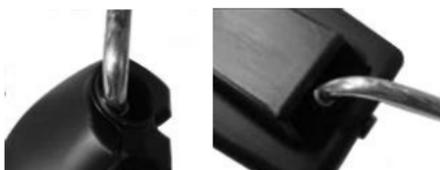
30 1,5 Litre (3 pints)

45 2,2 Litre (4 pints)

60 3,0 Litre (6 pints)



Pour the cleaning liquid into the cleanwater tray for **L** and **A** – for **T**, **S**, **S-M** and **B** into the tank. Test the correct function of the watervalve by activating the bowden control (**L**, **A** and **S**)



### Tank capacity:

Tank for stick handle: 3 litre

Tank for loop handle: 7 litre

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## Starting



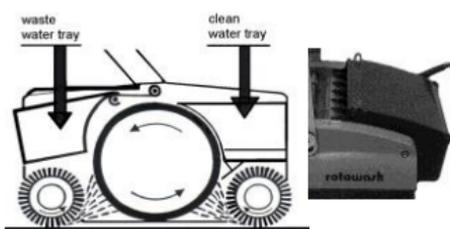
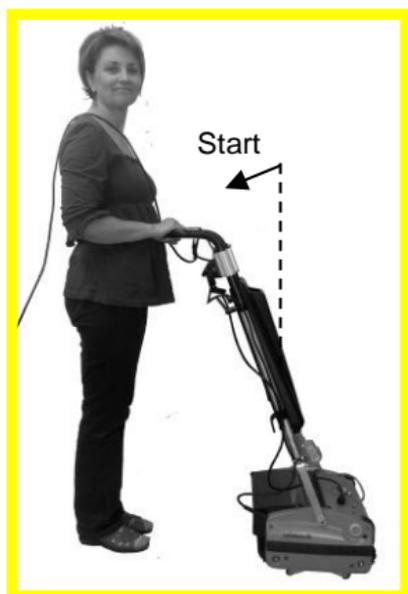
Make sure that the on/off switch is in the "ON" position - only for models A, S, S-M and B.

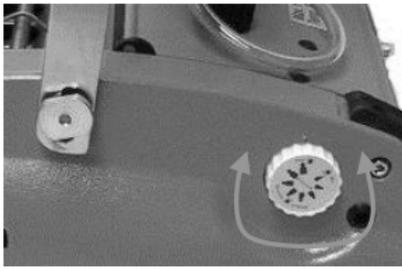
To turn the machine on, stand behind it placing both hands on the handle, slightly lift the handle on the left side, pull the handle back towards you and the brushes will start to rotate.

## Scrubbing

in lifted-up position

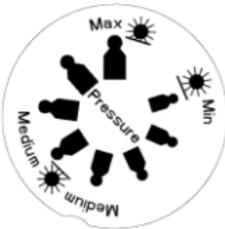
Wastewater tray is raised above drum as shown





## Setting brush pressure

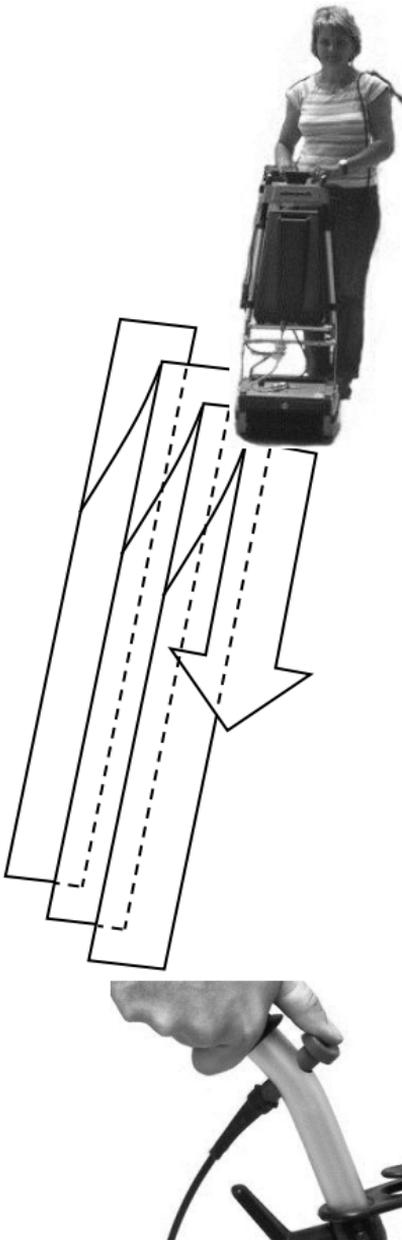
The brush pressure can be adjusted by turning the adjustment knob. Position 1 is for hard floors, Position 2 is for carpets.



Position 1



Position 2



## Manner of use

Move the machine in a forward direction. By pushing the red button near the handgrip of the stick handle, or the pump activating lever on the loop handle, water is spread on to floor and serves to clean the floor. When the machine is moved backwards the soiled water is collected in the wastewater tray.

Model **B** is also suitable for working in only one direction.

**Machine moving forward:**  
Cleaning liquid should be sparingly spread by activating the red button/pump lever.

**Machine moving backwards:**  
Soiled water is collected, if necessary repeat operation.



# WORKING WITH ROTOWASH

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**Attention:** First remove mains plug from socket

## Emptying the soiled water

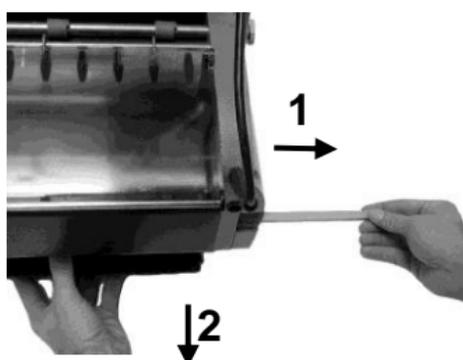
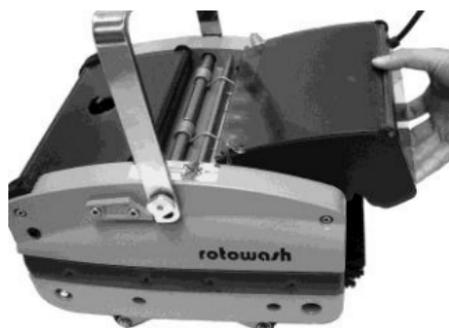
Lift out wastewater tray. When refitting wastewater tray ensure that springs are pressing on the tray.

### **Attention**

Avoid touching the edge of the stripperblade. It may cause injury.

Clean stripperblade regularly. Stripperblade is removable and should be renewed before it becomes sharp and causes damage to the drum through wear.

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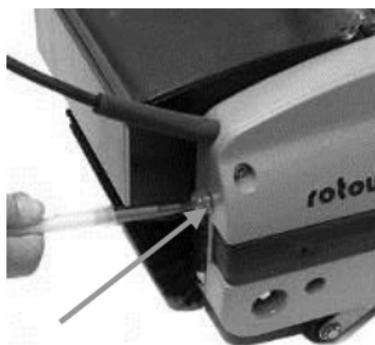


## Changing brushes

**Attention:** First remove mains plug from socket!

The brushes can be changed after removing the brush axles. Refit the brush axle from the cable side of the machine

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## Thermorelay cut-out switch

Use the machine only with the voltage supply stated on the type plate. By overloading of the motor the cut-out switch will interrupt the mains supply. After approximately 30 seconds the cut-out button by machine with stick handle and on/off switch with thermo relay by machines with loop handle can be pushed in and the machine is again ready for use.

On machines with a loop handle, the On/Off switch is also the Thermorelay, and can be reset after 30 seconds by switching to the "On" position.

# TRANSPORT, CLEANING AND CARE OF YOUR ROTOWASH

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## Transport

If you need to transport the machine without carrying it, push the handle slightly forward and lift it (1). Then pull the handle back. This will enable you to push the ROTOWASH along on its transport rollers.

For long transportation use the optional **ROTOCART**. Ask your dealer for information.



## Cleaning

Switch off and unplug before cleaning.

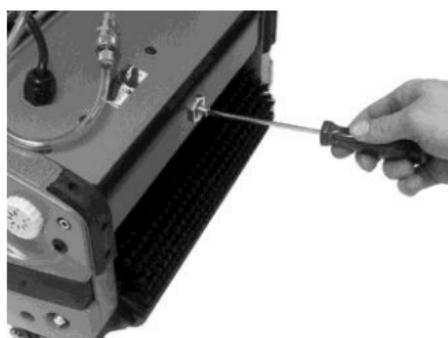
The machine should be thoroughly cleaned after completion of work.

The wastewater tray should be emptied and cleaned.

To prevent a clogging of valves and filters the machine should be emptied of all cleaning liquid.

The transport rollers and the underside of the machine should be wiped with damp cloth. The brushes should be rinsed through with clean water.

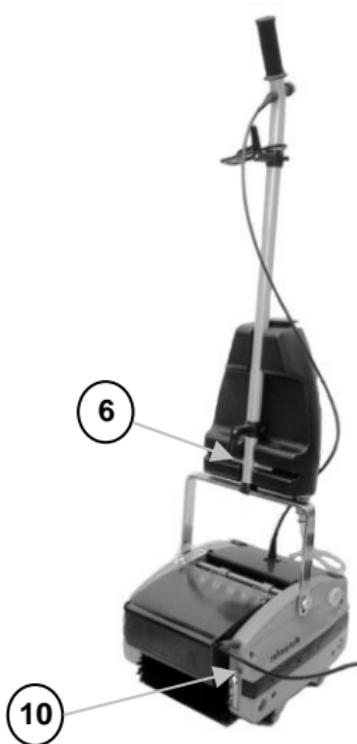
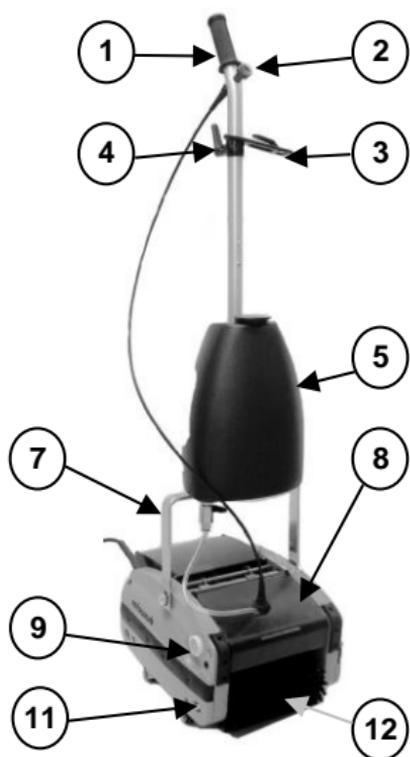
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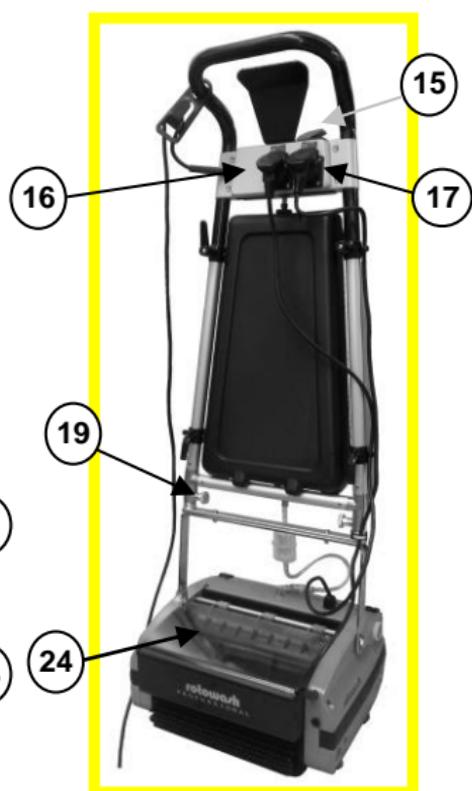
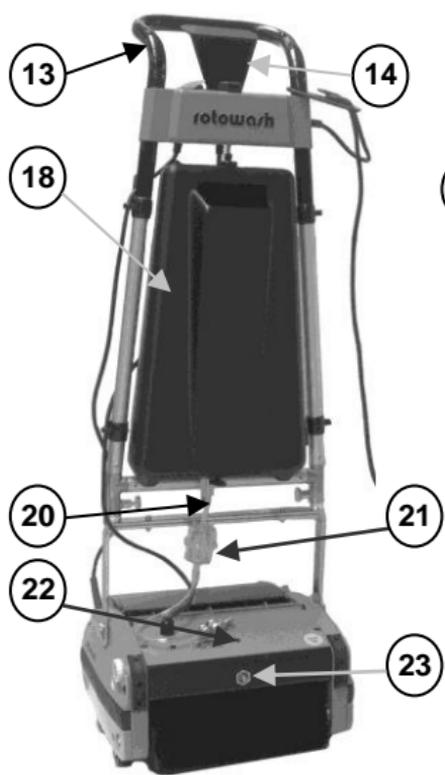


## Pump for B

Empty the tank. Fill it with clean water. Switch on the pump until you are sure that it has been completely rinsed through with clean water. Unscrew the spray jet at the front of the pump now and again and clean it. Look for the correct spray angle when refitting.

- |                     |   |
|---------------------|---|
| 1. Stick handle     | 14. Pump activating lever                   |
| 2. Bowdencontrol    | 15. Combined On/Off switch and Thermo relay |
| 3. Cable safety     | 16. Socket „Pump”                           |
| 4. Cable holder     | 17. Socket „Motor”                          |
| 5. Tank 3l          | 18. Tank 7l                                 |
| 6. Connecting pin   | 19. Spring loaded bolt                      |
| 7. Fork             | 20. Manual water valve / Magnetic valve     |
| 8. Clean water tray | 21. Water tube with filter                  |
| 9. Adjustment knob  | 22. Spraying unit                           |
| 10. Thermo relay    | 23. Spray jet                               |
| 11. Brushaxle       | 24. Waste water tray                        |
| 12. Brushes         |   |
| 13. Loop handle     |   |
- 



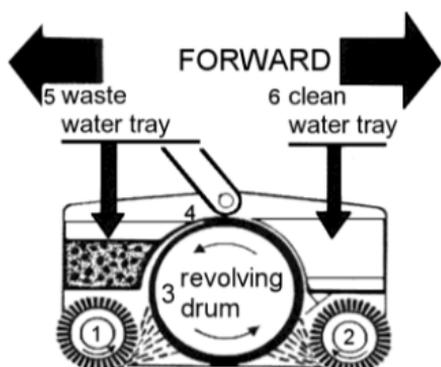


# TECHNICAL DATA

⚡ WARNING – THIS APPLIANCE MUST BE EARTHED ⚡

TECHNICAL DATA	Unit	R20	R20T	R30/ R30A	R30T	R30S/ R30S-M	R30B	R45/ R45A	R45S/ R45S-M	R45B	R60A	R60S/ R60S-M	R60B
Induction Motor													
230 V/50 Hz	Watts	400	400	700	700	700	700	950	950	950	1150	1150	1150
Brush speed	r.p.m.	650	650	650	650	650	650	650	650	650	650	650	650
Brush width	Mm	200	200	300	300	300	300	440	440	440	600	600	600
Cleanwater capacity	L	1	3	1,5	3	7	7	2,5	7	7	3,5	7	7
Weight	kg	15	16	20,5	21,5	23,5	24,5	30	31	32	33	34	35
Lenght x Width	mm	366 x 303	366 x 303	366 x 403	366 x 403	366 x 403	366 x 403	366 x 545	366 x 545	366 x 545	366 x 705	366 x 705	366 x 705
Height without handle	mm	205	205	205	205	205	205	205	205	205	205	205	205
Height with handle	mm	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205
The weighted r.m.s. acceleration value to which the operator's arms are subjected	m/s <sup>2</sup>	1,65 max.											
A-weighted sound pressure level <sub>PA</sub>	dB(A)	78 max.											
<b>Cleaning capacity</b>													
Hard floors	up to m <sup>2</sup> /hr	230	230	375	375	430	920	650	720	1275	890	890	1845
Carpet floors	up to m <sup>2</sup> /hr	100	100	150	150	170	520	220	270	630	430	430	920

# FUNCTION & USE



Two counter-rotating brushes (1 and 2) throw the soiled water on to the revolving drum (3), from there it is fed into the waste water tray (5) by means of a stripper blade (4).

This machine is suitable for use with **NON-FOAMING** detergents having a pH value ranging from 6.5 to 9.5.

The floor cleaning machine from Rotowash is intended for wet and dry cleaning of hard floors, structural floors and textile floors. Prerequisite for the success is the right choice of the brushes.

## APPLICATION GUIDE

ROTOWASH used as:	Maintenance cleaning machine	Primary cleaning machine*	Polishing machine	Carpet shampooing machine **
Type of brush	Standard	Standard Hard Abrasive	Soft	Soft
Brush pressure	Depending on the type of floor; contact Rotowash			
Cleaning and Care liquids	According to the recommendation of the floor manufacturer			

\* Wastewater tray in lifted-up position

\*\* Can also be used for applying impregnation, disinfection and antistatic agents.

**>> WARNING – THIS APPLIANCE HAS BEEN DESIGNED FOR USE WITH BRUSHES SUPPLIED BY THE MANUFACTURER. THE FITTING OF OTHER BRUSHES MAY AFFECT ITS SAFETY <<**

Before use, check the brush compatibility on the respective floor in an unsuspecting corner.

Attention: Limited suitability for wool and high-pile carpets (brush recommendation: Soft)

This document including photographs and illustrations are not contractual. Rotowash reserves the right to change at any time the characteristics of its products without notice.

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