

A.F. Company
MACHINE

USER MANUAL



EN

CE

LABOMAT 35B

Compact Scrubber Dryer With Batteries

This Guide provides necessary instructions on machine operation and maintenance.

Before operation or use of this machine, please carefully read and understand this Guide.

When ordering the replacement parts, please refer to the spare and accessory parts manual attached to the machine.

Before matching parts or accessories, please firstly determine your machine model and serial number. You can order parts and accessories from any authorized service center or dealer by telephone or mail. This machine can provide excellent service. If the following can be further done, the optimum efficiency can be obtained with the lowest cost:

- Carefully operate the machine.
- Maintain the machine according to the maintenance instructions provided in the operation manual.
- Use the OE or same-grade parts for maintenance.



Protect the environment

Please dispose the old machine components such as packaging material, battery, etc. and toxic liquid such as anti-freezing agent and oil according to your local regulations on waste disposal and on the premise of maintaining the environmental safety. Please ensure to carry out the recycling well.



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This machine is suitable for industrial and commercial use and specially used for cleaning indoor hard floor instead of other purposes. Please use the suggested scouring pad and brush as well as the commercially available floor cleaner suitable for this machine. All operators must read, understand and observe the following safety precautions. The following are explanation for safety warning signs and [for safety] headlines used in this Guide:

Warning: for warning of risks possibly causing personnel injury or death or unsafe operations.
For safety: point out matters which must be observed when using the machine to guarantee safety.

If the following warnings are not observed, it may cause: personnel injury, electric shock, fire or explosion.

Warning: fire or explosion hazard:

- Do not use flammable liquid; do not operate the machine close to or in the place where there is flammable liquid, air or dust.
- This machine is not equipped with explosion-proof motor. If this machine is used in the place where there is flammable air, liquid or dust, electric motor may generate spark during the start and operation, which may cause flash fire or explosion.
- Please do not pick up flammable materials or reactive metals.
- The battery releases hydrogen. Please be away from spark or open fire. The battery cabin must be kept open when charging.

Warning: Electric shock hazard. Please firstly disconnect the battery wiring before maintaining the machine.

Warning: Operation of rotary brush. Do not get close with hands. Please turn off the power before maintaining the machine. The following information explains the conditions causing potential dangers to the operators or equipment:

WARNING: Please read this guide before using the machine.

- Please read the labels on the machine very well. Cover the labels in no way and please change it if it has been damaged.
- This machine can be used only by people who are qualified.
- Please keep away this machine from your children and be careful while using this machine at the places which are close to people and children.
- Never blend varied types detergents. Otherwise, it can generate some hazardous gases.
- Place this machine backwards or on its side in no way.
- Never use this machine at places that have risk to explode.
- Never use this machine for transporting anything.
- Do not use acid solution, otherwise you can damage to people or the machine.
- Please do not operate the machine so long time while it is static. It can damage the place.
- Please do not vacuum something such as razor blade, nail and explosive materials (gasoline, alcohol etc..)
- This machine is not suitable for cleaning dangerous dust.
- Please use an extinguisher including dust instead of water in the event of fire.
- Please do not crash shelves if the things have risk to fall.
- Please determine operating speed according to vacuum conditions.
- Please avoid to operate this machine at the uneven and dusty places.
- This machine has to arrange washing and drying processes at the same time. So you should use caution signs as considering safety rules while the machine is operating at wet ground.
- Please ensure that poor maintenance doesn't causes to that problem if you it would be lived some problem while the machine is operating. And after that, please call to the closest EDİT ENDÜSTRİYEL service center.
- Please ask original spare parts for LABOORY-LABOOMAT from authorized agent or dealer if you need to change them.
- Please use only original LABOORY-LABOOMAT brushes.
- Please ensure that machine is not operating during maintenance process.
- Please arrange the wirings to the previous state after every maintenance processes.
- Never take down protective parts which are needed equipment to be taken down.
- Never clean this machine as using pressure water, fountain or corrosive matter directly.
- Please do not fill up detergent solution hours before using the machine.
- Please provide to be placed all covers at the way it is shown on guide.
- Please ensure that dust bag is empty before you take dust bag.
- Please do not operate this machine under rain to avoid accidents and motor to burn.
- This machine is not designed for (including children) physically handicapped, deaf, mentally handicapped and not-authorized people. That's kind of people should be guarded by responsible person for their safety if they need to use this machine.

1. Please do not operate the machine:

- When contacting flammable liquid or getting close to flammable air, otherwise it may cause explosion or flash fire.
- Unless being trained and authorized to operate the machine.
- Unless having read and understood the operation manual.
- Unless in the conditions of correct operation.

2. Before starting the machine:

- Please ensure that all safety equipment have been in place and operated correctly.

3. When using the machine:

- Please walk slowly when encountering the slope and sliding surface.
- Please wear anti-skid shoes.
- Please slow down when turning.
- Report immediately when the machine is broken or the operation fails.
- Do not let the children play on or around the machine.
- Observe the mixing ratio and processing instructions on the chemical vessel.

4. Before leaving or maintaining the machine:

- Stop and place the machine on the stable ground.
- Shut down the machine.

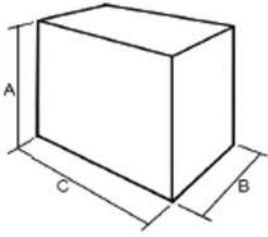
5. When repairing the machine:

- Avoid moving the parts. Please do not wear loose jacket, shirt or oversleeve.
- Before operating the machine, please firstly disconnect the battery wiring.
- When treating battery or battery wiring, please wear protective gloves and eye protectors.
- Avoid contacting battery liquid acid.
- Please do not spray this machine with high pressure or flush this machine with water pipe.
- Use the replacement parts provided or recognized by the manufacturer.
- All maintenance must be carried out by qualified maintenance personnel.
- Please do not revise the original design of the machine.

6. When transporting the machine:

- Please shut down the machine.
- Please do not transport the machine with the battery on.
- Please transport the machine with the aid of the others.
- Please use the suggested handling apron when handling the machine from the truck or trailer.
- Use the rope to fix the machine on the truck or trailer.
- Lower the brush head to the lower position.

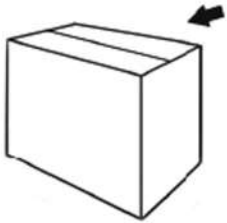
MACHINE PREPARATION



HANDLING OF THE PACKED MACHINE

The machine is contained in specific packing with a carton box. No more than four packages can be stacked on each other, packing dimensions are as following :

A: 620 mm B: 465 mm C: 950 mm



HOW TO UNPACK THE MACHINE

- Open the packing on the top indicated.
- Remove the machine from the packing.
- Take out the recovery tank.

BATTERY TYPE

For the energy supply of the machine uses two:

- Lead batteries for traction use and tubular plates and electrolyte free.
- Battery hermetically sealed for traction recombination of gas with gel technology.

The maximum dimensions of every battery should be: length 275mm, width 90mm, height 200mm.

The maximum weight of every battery should be 12kg. In order to achieve a tension of 24v the batteries must be connected with a serial connection between them and the connection process has to be carried out by specialized person, which are trained by our service department.

ATTENTION: when you choose GEL batteries, the PCB board has to be reset by specialized person!



THE BATTERIES INSTALLATION

The batteries must be housed in the battery compartment located under the solution tank. To install the batteries you must:

- Remove the solution tank
- Open the two rear hinges that close the battery compartment
- Rotate the handlebar by lifting the handlebar control lever
- Place the batteries in the compartment
- Connect the cables

ATTENTION: We recommend using exclusively sealed batteries to avoid acid spillage.



CONNECT THE BATTERY

- Connect the battery connector to the machine connector.
- Re-assemble everything.



ATTENTION! THE INSTALLATION PROCESS HAS TO BE CARRIED BY SPECIALISTS. A WRONG OR DEFECTIVE CONNECTION CAN CAUSE SERIALS DAMAGE TO PERSONS AND MACHINE.



RECHARGING THE BATTERIES

Carry out a battery charge cycle before using the machine. Make sure that the battery charger is suitable to the installed battery, both in capacity and in type.

Warning! Never charge a GEL battery with an unsuitable battery charger. Strictly follow the instructions provided by the battery and battery charger manufacturer. In order to avoid permanent damage to the battery, they should never be totally discharged. To do this, they should be recharged within a few minutes after the battery discharge signal start to flash.

ATTENTION:

1. Never left the battery completely discharged, even if the machine is not being used.
2. For the daily recharging of the battery it is necessary to strictly follow the instructions provided by the manufacturer or dealer.
3. Danger of exhalation of gas and emission of corroding substances.



BATTERY CHARGE LEVEL GAUGE

The batteries' indicator is digital with 4 fixed positions and a blinking one. The numbers, which appear on the display, show the approximate charge level. 4=maximum charge 3=3/4 charge 2=2/4 charge 1=1/4 charge 0=discharged batteries (blinking)

Warning! 8 seconds after the "0" blinks, the brush motor automatically switches off. Anyway, the machine can finish drying before recharging the batteries.



FASTENING THE HANDLEBAR

In order to save space for parking and packing, the handlebar is supplied folded and must be put into its working position. Proceed as follows to do this:



- Lift the handlebar by pulling up the lever indicated by the arrow



- Place the machine in its working position



- Mount the recovery tank on the handlebar tube using the two hooks.
- Insert the tubes into the fittings that exit from the ring of the recovery tank.

RECOVERY TANK

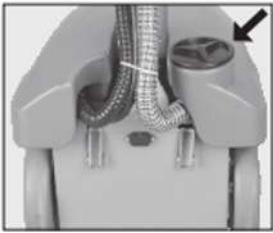
Make sure that the recovery tank is properly inserted in its housing and that the tubes are properly inserted in the tank elbows. Check that the plug is properly closed.



SOLUTION WATER

Fill the solution tank with clean water at a temperature not exceed 50°. Add liquid detergent should follow the instruction of the detergent manufacturer. Use only a minimal percentage of detergent to prevent formation of an excessive quantity of foam, as this could damage the suction motor.

ATTENTION! NEVER USE PURE ACIDS!



Solution tank

- Check that the plug is properly inserted in its seat
- Check that the cock connection is ok.

WORK



PREPARATION

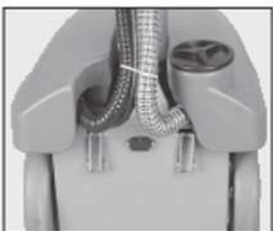
The followings procedures must be done before installing the tanks:

- Open the two rear hinges on the battery compartment
- Connect the connector to the batteries



- Close the battery compartment

Now install the tanks and prepare the machine for operation





Operation

- Lower the squeegee control lever
- Press the power switch 1 and check that the display lamp is shows "4"
- press the brush motor switch 2
- Press the aspiration switch 3



FORWARD MOVEMENT

Forward movement by these machines is done using the brush. When the brush is slightly inclined it pulls the machine forward.

ATTENTION!

WHILE GOING INTO REVERSE, EVEN BRIEFLY, MAKE SURE THAT THE SQUEEGEE IS LIFTED.



COMPLETION WORK

AT THE END OF WORK, PLEASE MAKE MAINTENANCE AS FOLLOWING:

- Turn off the power switch 1
- Raise squeegee by lifting lever 5
- Move the machine to where water is to be drained
- Remove the recovery plug and empty the tank
- Dismantle the brush and clean it with a jet of water



ATTENTION! Always wear gloves during this procedure, to avoid any contact with dangerous substances.

DAILY MAINTENANCE

RECOVERY TANK CLEANING

- Remove the pipes from the elbows.
- Open the recovery tank cover by turning it anticlockwise.
- Take out the filter and clean it with a jet of water.
- Rinse the recovery tank with a jet of water.

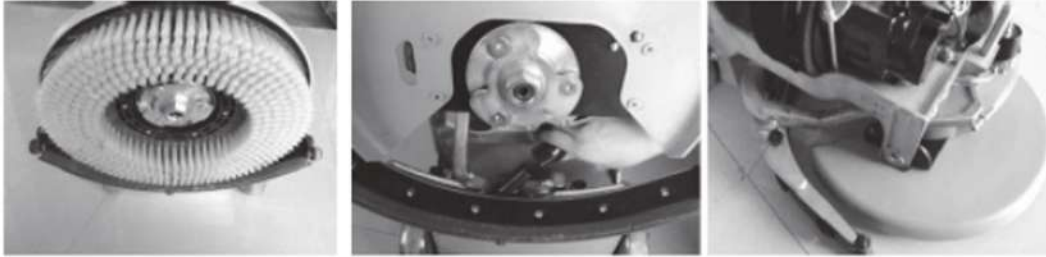


ATTENTION! Always wear gloves during this procedure, to avoid any contact with dangerous substances.

CLEANING THE SQUEEGEE

The squeegee must be in perfect working condition to achieve a good drying process, when you found dirty on the rubber surface you need to clean them:

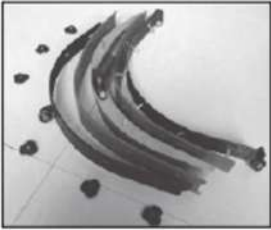
- Lift the machine
- Remove the pipe from the squeegee
- Loose the knobs 1 shown in the picture to remove the squeegee
- Carefully clean the inside of the squeegee
- Carefully clean the rubbers
- Reassemble everything.



REPLACING THE SQUEEGEE RUBBERS

Check the condition of the squeegee rubbers. Replace as necessary. To replace the rubbers:

- Lift the machine and remove the pipe from the squeegee
- Loose the 2 knobs to remove the squeegee
- Unscrew the squeegee knobs that clamp the blades and pull them out
- Remove the blades
- Replace the rubbers
- Reinstall everything by performing these procedures in reverse

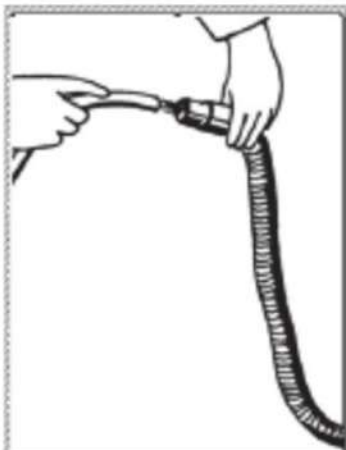


BRUSHES DISASSEMBLY

- Lift the squeegee
- Lift the machine by pressing down on the handlebar
- When the base is lifted jog the brush control. The brush releases automatically



ATTENTION: Make sure there are no objects or persons near the brush when doing this operation



WEEKLY MAINTENANCE CLEANING SQUEEGEE HOSE

Weekly or whenever the suction is insufficient, it is necessary to clean the squeegee hose, proceed as following procedures:

- Remove the pipe from the squeegee sleeve.
- Take out the other end from the recovery tank.
- Wash the inside of the pipe with a jet of water, from the side it is plug to the tank.
- Reassemble the pipe.

ATTENTION! DO NOT WASH THE PIPE THAT CONNECTS THE VACUUM MOTOR AND RECOVERY TANK!



CLEANING SOLUTION TANK

- Unscrew the plug on the suction tank
- Flush the inside of the solution tank by a jet of water
- Reinstall the plug

ATTENTION! Always wear gloves during this procedure, to avoid any contact with dangerous substances.

COMMON FAULTS AND PROCESSED MEASURES



INSUFFICIENT WATER ON THE BRUSHES

- Check there is water in the solution tank or not
- Check that the solenoid valve switch is turned on
- Check the quick fitting connection is properly engages

THE MACHINE DOES NOT CLEAN WELL

- Check the brushes wear and replace them if necessary; Brushes must be replaced when bristles are about 15mm high

THE SQUEEGEE DOES NOT DRY THE FLOOR PERFECTLY

- Check if the squeegee rubbers are clean.
- Check the connection between the suction pipe and recovery tank.
- Remove the whole suction unit and clean it.
- Replace the rubbers if worn.
- Check if the suction motor switch is turn on.

FOAM OVER-FORMATION

- Check if the low-foam detergent is used, if necessary add little anti-foam liquid to the recovery tank.
- Please remember that more foam is generated when the floor is clean, in this case use a more diluted detergent.

TECHNICAL PARAMETERS	
Cleaning width	350 mm
Squeegee width	420 mm
Working capacity, up to	850 m ² /saat
Brushes diameter	1x350 mm
Brushes speed	185 rpm
Brushes pressure	maks. 15 kg
Brush motor power	400 W
Drive type	Semi-auto.
Max. movement speed	3,5 km/h
Max. gradient	%5
Suction motor power	380 W
Suction vacuum	65 Ltr/Sec
Solution tank capacity	11 lt
Recovery tank capacity	13 lt
Machine length	720 mm
Machine height	900 mm
Machine width(without squeegee)	440 mm
Batteries voltage	24 V / 35 Ah
Sound pressure level	<62 db (A)

LABOMAT 35B

BATTERY	24 V / 35 Ah	VACUUM MOTOR	380 W
BRUSH ROTATING	185 rpm	BRUSH MOTOR	400 W



IMPORTER:

AFC MAKINE SANAYI VE TICARET LIMITED Sirketi

Karakaş mahallesi, Zincirlikuyu 2. Geçidi Sokak No; 9/1.

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MACHINE

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