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HIGH PRESSURE WASHER 2500W POWXG90425

1 APPLIANCE

Your high pressure cleaner has been designed for outdoors cleaning. Cleaning of: machines, vehicles, structures, tools, facades, terraces, gardening tools,...



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG. A)

- | | |
|-------------------------|---|
| 1. Water inlet coupling | 12. Hose lock button Gun |
| 2. Storage hook | 13. Detergent rate knob |
| 3. Water outlet | 14. Patio Cleaner |
| 4. Switch | 15. Turbo nozzle |
| 5. Trolley handle | 16. Detergent dispenser |
| 6. Gun holder | 17. Pipe cleaning set 10m |
| 7. High pressure hose | 18. Special connector for pipe cleaning set |
| 8. Trigger gun | 19. Brush |
| 9. Trigger lock | 20. Lance extension 330m |
| 10. Lance | |
| 11. Adjustable Nozzle | |

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!

- | | |
|---------------------------|---|
| 1x high pressure washer | 1x patio cleaner |
| 1x trigger | 1x turbo nozzle |
| 1x extended lance for gun | 1x cleaning needle |
| 1x adjustable nozzle | 1 x Pipe cleaning set 10m |
| 1x water inlet connector | 1 x special connector for pipe cleaning set |
| 1x 8m pressure hose | 1 x Brush |
| 1x manual | |



When parts are missing or damaged, please contact your dealer.

4 ADDITIONAL SAFETY INSTRUCTIONS FOR HIGH-PRESSURE CLEANERS

- The appliance is designed solely for outdoor private use and NOT for commercial use. Please keep it away from heat, direct sunlight, moisture and rain, frost and sharp edges.
- Do not let people who have not been trained in the use of a high pressure washer nor read the instruction manual operate the machine!
- High pressure cleaners shall not be used by children or untrained personnel.
- Children should be supervised to ensure that they do not play with the appliance.
- Before starting up your machine please check it carefully for any defects. If you find any, do not start up your machine and contact your local distributor.
- Check especially the insulation of the electric cable should be faultless and without any cracks. If the electric cable is damaged, an authorized local service centre should replace it.



WARNING: High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the appliance itself.



WARNING: Do not use the appliance within range of persons unless they wear protective clothing.

- Do not direct the jet against yourself or others in order to clean clothes or foot-wear.
- Hold the spray lance firmly with both hands.
- The operator and anyone in the immediate vicinity of the site of cleaning should take action to protect them from being struck by debris dislodged during operation.
- Wear goggles and protection clothes during operation.
- Disconnect from electrical power supply before carrying out user maintenance.
- To ensure appliance safety, use only original spare parts from the manufacturer or approved by the manufacturer.
- Do not use the appliance if a supply cord or important parts of appliance are damaged, e.g. safety device, high pressure hose and trigger gun.
- Do not use the appliance with wet hands. If the appliance is humid or wet, unplug it immediately. Do not put it in water.
- Tires and tire valves may be damaged by the high-pressure jet and then burst.
- Never use the machine in an environment where there could be a danger of explosion.
- It is not allowed to clean asbestos- containing surfaces with high pressure.
- This high pressure washer must not be used at temperatures below 0°C

WARNING: High pressure hoses, fittings and couplings are important for the safety of the appliance. Use only hoses, fittings and couplings recommended by the manufacturer.



WARNING: Inadequate extension cables can be dangerous. Cables on reels should always be completely unwinded to prevent the cable from overheating.

- If an extension cable is used, the plug and the socket must be waterproof and comply with the below-mentioned requirements for length and cable dimensions.
 - 1.0 mm² max. 12.5 m
 - 1.5 mm² max. 20 m

- If the electric cable is damaged, it must be replaced by the manufacturer or his service agent or similarly qualified person in order to avoid a hazard.

4.1 Mains power connection

The following should be observed when connecting the high pressure washer to the electric installation:

- The electric supply connection shall be made by a qualified electrician and comply with IEC 60364-1
- It is recommended that the electric supply to this appliance should include either a residual current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30 ms.

4.2 Water connection

- Connection to the public mains according to regulations.
- Inlet hose can be connected to the water mains with a max. inlet pressure of 12 bars.



This high pressure washer is in Europe only allowed to be connected with the drinking water mains, when an appropriate mains backflow preventer has been installed, Type BA according to EN 1717. The length of the hose between the backflow preventer and the high pressure washer must be at least 10 metres to absorb possible pressure peaks (min diameter ½ inch).

- As soon as water has flown through the BA valve, this water is not considered to be drinking water any more.



IMPORTANT! Only use water without any impurities. If there is a risk of sand particles in the inlet water (i.e. from your own well), an additional filter should be mounted.

4.3 Safety devices

- The unloader valve can reduce pressure if it exceeds pre-set values.
- Locking device on trigger gun (9): The trigger gun (8) features a locking device (9). When the knob is activated, the trigger gun (8) cannot be operated.
- A thermal sensor protects the motor against overloading. The machine will restart after a few minutes when the thermal sensor has cooled.

5 ASSEMBLY

This section will explain in details how to make you high pressure washer ready for use.

5.1 Assembly of the gun (Fig. 1)

- Insert the adjustable spray nozzle(K) into the gun. Push and turn the adjustable nozzle clockwise onto the gun(J) until hand tight to lock it in place. When the pieces are joined properly, you cannot separate the two components by pulling straight out on the adjustable nozzle. All attachments must be inserted into the gun for proper use.

5.2 Assembly of storage hook and gun holder (Fig. 2)

Slide the storage hook into the holder on the right side

Slide the gun holder into the holder on the left side

6 OPERATION

6.1 Connection of garden hose (Fig. 3)

- Before attaching the water inlet connector to the pressure washer remove the plastic cap.
- Attach the hose connector (with built-in filter) to pressure washer.
- Connect the garden hose with a standard quick coupling

6.2 Mounting of high pressure hose (Fig. 4)

1. Attach the high pressure hose to the trigger gun.
2. Detach the high pressure hose by pressing the button (B)

6.3 Mounting of lance and nozzle

1. Push the lance into the trigger gun
2. When inserted turn it. Caution: Make sure the lance is properly fixed to the gun
3. Attach the nozzles. Push it powerful onto the lance. Check before activating the trigger that the nozzle is properly fixed.

6.4 Water connection

An ordinary 1/2" garden hose of min. 10 m and max. 25 m will be suitable.



IMPORTANT! Only use water without any impurities. If there is a risk of sand particles in the inlet water (i.e. from your own well), an additional filter should be mounted.

1. Let the water run through the water hose before connecting it to the machine to prevent sand and dirt from penetrating the machine. Note: Check that the filter is fitted in the water inlet pipe and that it is not clogged up.
2. Connect the water hose to the water supply by means of the quick connector (inlet water, max. pressure: 12 bar, max. temperature: 50°C).
3. Turn on the water.

6.5 Start/stop of the machine

The trigger gun and lance is affected by a thrust during operation - therefore always hold it firmly with both hands.



IMPORTANT: Point the nozzle at the ground.



This high pressure cleaner is equipped with an automatically start/stop system, based on waterpressure.

1. Check that the machine is in upright position. NOTE: Do not place the machine in high grass!
2. Release the trigger lock
3. Activate the trigger of the trigger gun and let the water run until all air has escaped from the water hose.
4. Turn the Start/stop switch to the right
5. Activate the trigger of the trigger gun.
6. Always adjust the distance and thus the pressure of the nozzle to the surface, which is to be cleaned.

Do not cover the machine during operation or use it in a room without adequate ventilation!

NOTE: If the machine is left or not used for 5 minutes, it must be switched off on the start/stop switch (4) "O":

1. Turn the start/stop switch to the left "O".
2. Disconnect the electrical plug from the socket.
3. Shut off the water supply and activate the trigger of the trigger gun to relieve the machine of pressure.
4. Lock the trigger gun. (Fig. 5)

When releasing the trigger of the trigger gun, the machine automatically stops. The machine will start again when you re- activate the trigger gun.

6.6 Adjustable nozzle (Fig. 6)

The pressure can for the adjustable nozzle be adjusted by tuning it.



WARNING: Do not do this under operation to avoid that the hand hits the jet.

6.7 Patio Cleaner

The patio cleaner is a powerful accessory for cleaning patio, driveways, etc.

Attach the Patio Cleaner to the lance.

NOTE: Do not use the Patio Cleaner as a broom but let it surf smoothly over the surface

6.8 Detergent dispenser (Fig 7 & 8)

The pressure cleaner will dispense detergent at low pressure. Use the adjustable spray nozzle to rinse clean.

The built-in detergent dispenser will allow you to apply many forms of liquid detergent onto the work surface. Detergent application happens at low-pressure only. Insert the adjustable nozzle onto the gun, and turn it to end of "Δ", so that the pressure washer is in low-pressure mode (Fig. 7). Remove the cap on the detergent reservoir and fill with liquid detergent only (Fig. 8). Do not put any water into the reservoir. The pressure washer will mix water and detergent automatically. When finished applying the detergent to the work surface, turn it to end of "I" of the adjustable nozzle and spray off the detergent by using the high-pressure spray (Fig 7). In high-pressure mode, the pressure washer will not dispense detergent.

6.9 Detergent rate (Fig 9)

If you need to adjust the detergent rate, you can turn the knob to the left end for bringing down it and turn the knob to the right end for raising it. That depend on your special cleaning demand.

6.10 Pipe cleaning set

- Disconnect the electrical plug from the socket.
- Shut off the water supply and activate the trigger gun to relieve the machine of pressure.
- Remove the lance from the gun.
- Attach the special connector for pipe cleaning set to the gun.
- Connect the pipe cleaning set to the special connector.

7 TECHNICAL DATA

	POWXG90425
Motor TYPE	induction motor
Pressure (Mpa)	13
Max. Pressure (Mpa)	19,5
Voltage	230V / 50Hz
Power	2500W
Flow	7,8 L/min
Water temperature	Max 50°C
Weight	6 kg

8 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	73 dB(A)
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Acoustic power level LwA	86 dB(A)
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ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

aw (Vibration)	0,9 m/s ²	K = 1,5 m/s ²
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9 MAINTENANCE AND CLEANING



WARNING! Always disconnect the electrical plug from the socket prior to maintenance or cleaning.

To ensure a long and problem free working life, please take the following advice:

- Wash out water hose, high pressure hose, spray lance and accessories before mounting
- Clean the connectors of dust and sand.
- Rinse the detergent spraying attachment after use.
- Clean the nozzles.

Any repair should always be made in an authorized workshop with original spare parts

9.1 *Cleaning of inlet filter*

- Clean the water inlet filter regularly Flush with water to remove dirt and debris.



CAUTION: Failure to fit the filter will invalidate the warranty

9.2 *Cleaning of air vents*

The machine should be kept clean so as to let cooling air pass freely through the machine vents.

9.3 *Greasing of couplings*

To ensure an easy connection and that o-rings do not dry up; the couplings should be greased regularly.

10 STORAGE

The machine should be stored in a frost-free room!

Pump, hose and accessories should always be emptied of water prior to storing as follows:

1. Stop the machine (turn the start/stop switch "O" and detach water hose and nozzle.
2. Restart the machine and activate the trigger of the trigger gun. Let the machine run until no more water runs through the trigger gun
3. Stop the machine, unplug and wind up hose and cable.
4. Place trigger gun, lance, nozzles and other accessories in the holders of the machine.

The hook can be used for storage of the hose and cord

Should the machine by mistake be frozen, it will be necessary to check it for damage.



WARNING: Never start up a frozen machine. Frost damages are not covered by the guarantee!

11 TROUBLE SHOOTING

SYMPTOM	CAUSE	RECOMMENDED ACTION
Machine refuses to start	Machine not plugged in	Plug in machine.
	Defective socket	Try another socket.
	Defective extension cable	Try without the extension cable.
Fluctuating pressure	Pump is sucking air	Check that hoses and connections are airtight.
	Valves dirty, worn out or stuck	Contact your nearest service centre
	Water supply not sufficient	Increase water pressure, check for blockage of garden hose and/or change to bigger hose.
	Pump seals worn	Contact your nearest service centre
Machine stops	Incorrect mains voltage	Check that the mains voltage corresponds to specification on the name plate
	Thermal sensor activated	Leave the machine for 5 minutes to cool down
	Nozzle partially blocked	Clean the nozzle with a needle and by spraying water backwards through the nozzle
	Amperage increase	Try without the extension cable.
Machine pulsating	Air in inlet hose/pump	Allow machine to run with open trigger until regular working pressure resumes.
	Inadequate supply of mains water	Increase water pressure, check for blockage of garden hose and/or change to bigger hose.
	Nozzle partially blocked	Clean the nozzle with a needle and by spraying water backwards through the nozzle
	Water filter blocked	Clean the filter
	Hose kinked	Straighten out hose.
Machine often starts and stops by itself	Pump and/or trigger gun is leaking	Contact your nearest service centre
	No water supply	Connect inlet water.
Machine starts but no water comes out	Water filter blocked	Clean the filter
	Nozzle blocked	Clean the nozzle with a needle and by spraying water backwards through the nozzle