FIELDMANN®
Home & Garden Performance

FDW 2004-E

High-pressure washer
OPERATING INSTRUCTIONS

Thank you for buying this high-pressure washer. Before using it, please read carefully this operating manual and retain it for further use.

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1. GENERAL SAFETY INSTRUCTIONS

Important safety warnings

- Unpack the product carefully and be sure not to throw away any part of the package before having found all components of the product.
- Keep the product in a dry place out of reach of children.
- Read all cautions and instructions. The failure to adhere to warning cautions and instructions may result in an accident, fi e and/or a serious injury.

Packaging

The product is placed in a package preventing damage during transport. This package is a raw material therefore it can be handed-over for recycling.

We recommend keeping of the original package including the internal packaging material, purchase receipt as well as the warranty card during the warranty period as minimum. Should the product be transported, pack the device back to the original packaging materials provided by the manufacturer; in such a way, you can secure the maximum product protection during potential transport (e. g. relocation or shipping to the service centre).

Instructions for use

Before beginning to work with the machine, read the following safety rules and instructions for use. Familiarize with operating elements and the proper use of the device. Keep the manual in a safe place for future reference. We recommend keeping the original package including the inner packaging materials, cash voucher and guarantee card for a period of warranty at minimum. For a case of transportation, pack the machine into the original box from the manufacturer, thus ensuring a maximum protection of the product during a possible transport (e.g. moving or sending into a service station).

Note: If you hand the machine over to next persons, hand it over together with the manual. Adherence to the attached instructions for use is a precondition for the proper use of the machine. The operation manual includes also instructions for operation, maintenance and repairs.

The manufacturer does not take any responsibility for accidents or damages resulting from the failure to adhere to this manual.

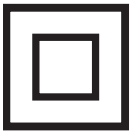
2. SYMBOLS

To ensure your own safety as well as safety of other persons, read the Instruction Manual attentively prior to the fi st startup of the high-pressure washer. Keep the Instruction Manual in a safe and practical place to be available when needed. Hand over the Instruction Manual to any other users of the appliance.

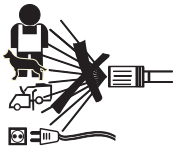
Get acquainted properly with all control elements, especially with the features and activities, prior to start of using the appliance. Consult the professional, if needed. Read the Instructional Manual attentively.

Attention! Should a power cord get damaged or cut, pull the plug from the wall socket immediately.

The appliance is not intended for connection to the potable water feeding system



Class of protection



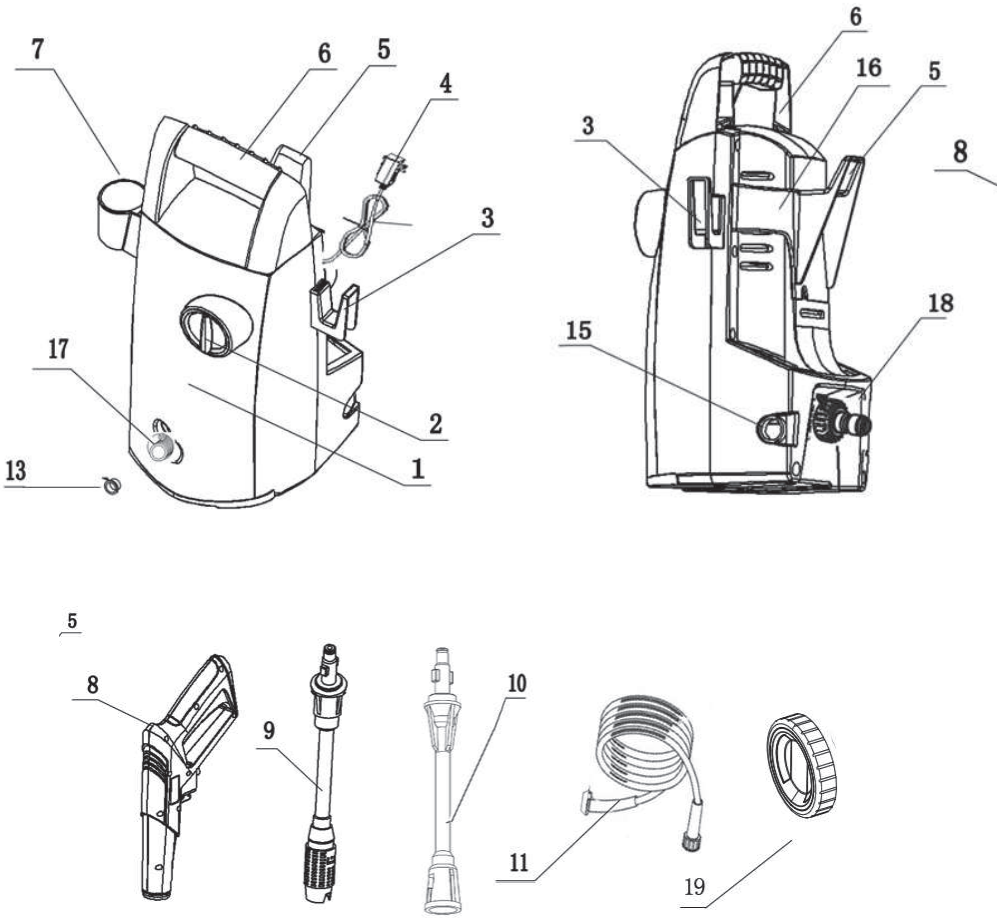
High-pressure washers can be dangerous if handled inappropriately. Never direct the high-pressure jet to other persons, pets, live electrical equipment or to the washer itself.

This product is made in compliance with approved standards.

Electrical appliances shall not be disposed in the household waste.

Use ears protection.

3. GENERAL DESCRIPTION



1 - Motor and Pump in Case
2 - ON/OFF switch
3 - Cord Wrap
4 - Power Supply Cord
5 - Hose Holster
6 - Carry Handle
7 - On-Board Accessory Storage Holsters
8 - Spray Gun
9 - Variable Spray Nozzle with Lance
10 - Variable Spray Nozzle with Lance
11 - High-Pressure Hose
13 - Shipping Plug
15 - Wheel Axis Hole Cover
16 - Lance Storage Cover
17 - High Pressure Outlet (metal)
18 - Water inlet plastic
19 - Wheels

4. SAFETY INSTRUCTIONS

⚠ **ATTENTION!** WARNING High-pressure jets can be dangerous if subject to misuse.
Never direct a water stream towards people or any live electrical device including the pressure washer itself.

⚠ **ATTENTION!** WARNING
Do not use the appliance within range of persons unless they wear protective clothing.

⚠ **ATTENTION!** WARNING
Do not direct the jet at yourself or others to attempt to clean clothes or footwear.

⚠ **ATTENTION!** WARNING
Danger of explosion - Do not use flammable li uids.

⚠ **ATTENTION!** WARNING
Never allow children or untrained persons to use the tool.

⚠ **ATTENTION!** WARNING
High-pressure hoses, valves and couplings are crucial for the product safety. Use only the hoses, valves and couplings recommended by the manufacturer.

⚠ **ATTENTION!** WARNING
To secure safety of the device, use only the original spare parts delivered by the manufacturer or approved by him.

⚠ **ATTENTION!** WARNING
Switch off the tool and pull the plug out of the socket before carrying out any cleaning or maintenance work or converting the machine to another feature.

⚠ **ATTENTION!** WARNING
Never use the tool if a supply cord or other important parts of the appliance are damaged or missing, e.g. safety devices, high-pressure hoses, trigger gun.

⚠ **ATTENTION!** WARNING
Inappropriate extension cables can be dangerous. Should an extension cable be used, both the socket and the plug shall be of a waterproof design and the coupled parts shall be kept dry and with no connection with earth. We recommend using of an extension cable drum keeping the socket 60 mm above the ground as minimum.

⚠ **ATTENTION!** WARNING

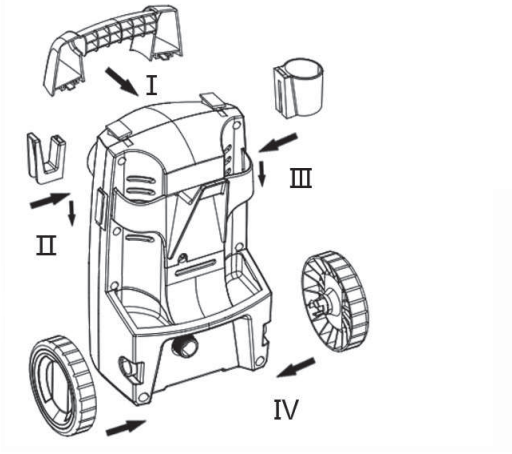
When leaving the device unattended, always turn the power off.

- Carefully remove the tool and any accessories from the box. Do not discard any of the packing materials until all parts are accounted for.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Never use any accessories unless delivered together with the product or intended particularly for the appliance.
- Never repair the appliance yourself; do not modify the appliance - a risk of electrocution is imminent! All repairs and adjustments of the appliance shall be done by the professional company/service. Tampering with the product during the warranty period may void the warranty.
- Never use the product with wet hands or feet.
- Operate and keep the product away from flammable and olatile substances.
- Operate and keep the product away from extreme temperatures, direct sunlight, excessive moisture and do not place it to the excessive dusty environment.
- Do not place the product in close vicinity of heaters, naked flame and ther appliances or equipment generating heat.
- Never use the product for other than intended purposes.
- Before inserting the power cord into the socket, check whether the voltage you intend to use complies with that of the machine.
- Never lay the power cord in the vicinity of hot surfaces or over the sharp objects. Do not place heavy objects on the power cord. Position the cord so that it will not be stepped on or tripped over. Make sure the power cord is not in contact with hot surface.
- Should the power cord of the product be damaged, have it repaired by an authorized service technician to prevent causing a dangerous situation. It is forbidden to use a product with a damaged power cord or plug.
- Do not disconnect the power cord from the wall socket by pulling the cord.
- Do not spray the product with water or any other liquid. Do not power water or any other liquids into the product. Do not submerge the product in water or any other liquid.
- Never use the product near a bathtub, wash basin or any other container filled with ater.
- If you are not using the product or if you know that you will not be using it soon, turn it off and disconnect the power cord from the wall socket. Proceed in the same way prior to cleaning.

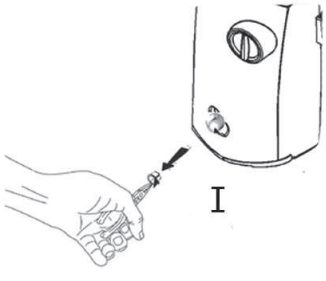
- Never leave the running product unattended.
- Allow the product to cool down properly before storing.
- Pay special attention if the product is used near children. Always keep the product away from children. Supervise the children to be sure they will not use the product as a toy.
- To increase safety, the electrical installations shall be connected by a qualified electrica engineer. We recommend installing a residual current circuit-breaker (RCCB) with a response time of 30mA/30 ms or a device monitoring the earth circuit (talk to your electrical engineer about the options).
- Pulling the power cord from the wall socket by force may cause damage.
- To avoid damage of the hose, do not step on it or bend it by force. Do not use the product with a bent or damaged hose.
- Do not run over the power cord with the product.
- The product is equipped with a thermal fuse - if the motor or the pump get overheated, the thermal fuse will turn the appliance off. As soon as the motor or pump cool down, they can be turned on again. Warning!!! To avoid a risk of a sudden recovery of the thermal fuse, the appliance shall not be powered via an external device such as a timer or shall not be connected to a circuit which is periodically turned on and off.
- High-pressure jet can be dangerous if handled inappropriately. It is forbidden to direct the jet at other people, oneself, pets, electrical appliances or the high-pressure washer itself.
- Never place the pistol or extension to your ears or eyes.
- Should you use an extension cable to the power supply network, it shall be of the waterproof design.
- The manufacturer shall not be liable for damages caused by inappropriate use of the appliance and accessories (injuries, burns, scalding, fi e, food spoilage, etc.).

5. ASSEMBLY INSTRUCTIONS

- Locate and remove all loose parts from the carton.
- Click



- Remove and discard the shipping plug from the outlet on the front of the machine.



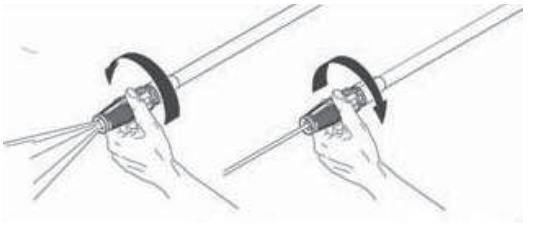
PRESSURE WASHER OPERATING FEATURES
HOW TO USE VARIABLE SPRAY LANCE

⚠ **ATTENTION!** NOTICE:

The powerful spray from your pressure washer Is capable of causing damage to surfaces such aa wood, glass, automobile paint, auto striping and trim and delicate objects such as fl wers and shrubs. Before spraying, check the item to be cleaned to assure that it is strong enough to resist damage from the force of the spray. The 0° pencil stream adjustment is very aggressive. A 20° spray angle is recommended for most cleaning applications to avoid damage to the surface being cleaned.

Note: The pressure of the spray on the surface you are cleaning increases as you move the wand closer to the surface.

The high pressure setting is for cleaning and rinsing,
For high pressure operation, pull back the name of the variable spray lance.



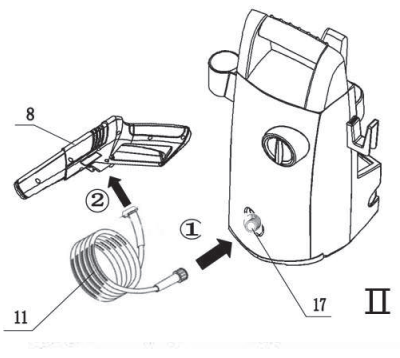
6. STARTING

⚠ **ATTENTION!** DANGER:
Risk of injury from spray. Always engage the trigger lock when gun is not in use. Failure to do so could cause accidental spraying.

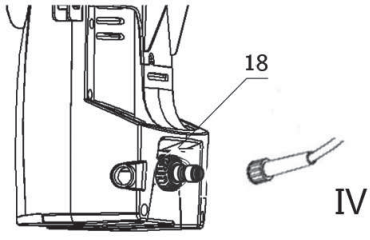
⚠ **ATTENTION!** WARNING
Risk of Injury. Do not direct discharge stream at self or others.

⚠ **ATTENTION!** WARNING
Risk of unsafe operation. Stand on a stable surface and grip gun/ spray wand fi mly with both hands.

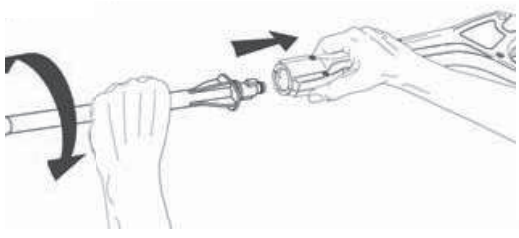
- Connect the high pressure hose to the machine outlet. Ensure the threads are aligned properly and the connection is secure.



- Connect the garden hose to the connector on the back of the machine. Before connecting, run water through the garden hose {not supplied) to flush cut a y foreign matter.

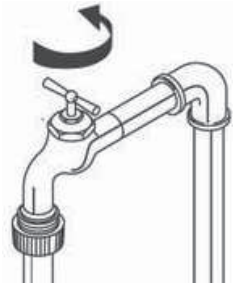


- Insert the spray lance into the gun by pushing fi mly and simultaneously twisting a 1/4 of a turn counter clockwise until locked into place.



⚠ **ATTENTION!** WARNING
If the lance is not securely locked into place, it could be ejected under high pressure during operation, possibly causing injury or damage.

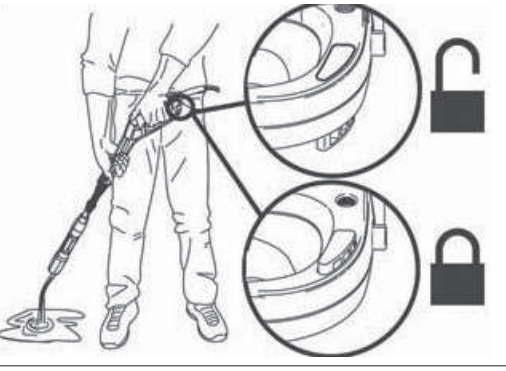
- Turn incoming water on and fully open valve to insure maximum water fl w to the machine.



- Plug the unit into the appropriate electrical outlet.

Note: The power supply must be 230V, 50 Hz and a minimum 15 amp dedicated circuit.

- Ensure the gun safety is unlocked and squeeze the trigger until the air has escaped and a steady fl w of low pressure water Is coming from the nozzle.



- Turn switch to ON position. Note that the motor will momentarily start then stop.

VII

- Squeeze the trigger to start motor and begin pressure washing.

Note: The motor only runs when the gun trigger is depressed and warier Is spraying.

Shutting down

ISee Storage section in this manual for proper shutdown and storage procedures.

7. STORAGE

⚠ **ATTENTION!** CAUTION:
Prior to moving the unit, always disconnect the garden hose via the garden hose connector.

⚠ **ATTENTION!** CAUTION:
Always store your pressure washer in a location where the temperature will not fall below 40 °F (4 °C). The pump in this machine is susceptible to permanent damage if frozen. FREEZE DAMAGE IS NOT COVERED BY THE WARRANTY.

End of use and winter storage instructions

- When finished applying d tergent, thoroughly rinse suction lube and detergent nozzle by placing the suction lube in a container of clear water and running detergent nozzle at maximum fl w setting for 30 seconds. This will flush an d tergent residue from the suction lube and nozzle.

⚠ **ATTENTION!** CAUTION:
Failure to clean properly will cause the detergent nozzle to become clogged and inoperable.

- Turn the machine OFF and squeeze the trigger to release the trapped pressure inside of the machine.
- Remove both the garden nose and high-pressure hose from the unit.
- Disconnect the lance from the gun.
- Turn ON the machine and allow it to run for 5 seconds. (This will clear out most of the water trapped in the pump.)
- Unplug the machine.
- Wrap the high-pressure hose and power supply cord onto the hose/cord wrap as shown.
- Store the machine and accessories in a dry, climate controlled environment. Do not store the machine or accessories in a place where the temperature could drop below 40 °F (4 °C).

8. TROUBLESHOOTING GUIDE

OPERATIONAL ISSUE	POSSIBLE CAUSE	SOLUTION
Detergent is not dispensing	Detergent is not pressure washer approved	Use only detergents, degreasers, waxes and other cleaning solutions that are designed specifically or pressure washers. Cleaners in this category will clearly state on the label that they are meant for use in pressure washers. Do NOT use any other type of cleaning solution in your high-pressure washer. Never use bleach, ammonia, any type of acid or hot water in your appliance!
	The suction tube has become disconnected, clogged or kinked	Ensure the suction tube is not damaged and is properly connected to the detergent nozzle. Reconnect, clean or replace the tube as needed.
	Detergent nozzle is clogged with debris	Clean the nozzle according to the instructions provided in the Nozzle paragraph under the Maintenance section of this manual.
Detergent to water ratio		The pressure washer draws detergent at a maximum 10:1 water to detergent ratio. Most pressure washer detergents are concentrated within this range so minimal adjustment of the detergent nozzle metering valve is required. If you feel you are using more detergent than is required for the application, you can dilute the detergent with regular tap water.

Circuit breaker trips or fuse blown in fuse box	Circuit overload	Verify that the circuit is rated at 15 amps or greater. Ensure no other appliance is drawing power from the same circuit (dedicated circuit).
	Extensor Cord too long or wire gauge too small Nozzle partially blocked	We do not recommend using of extension cords with your high-pressure washer. If you must use an extension cord, verify that it meets the minimum requirements listed in the Extension Cord paragraph under the Power Supply & Electrical info in this manual. Clean the nozzle according to the instructions provided in the Nozzle paragraph under the Maintenance section of this manual.
Spray gun, lance or high pressure hose leaking water	Improperly connected accessory	Verify all components (gun, lance, high pressure hose) are properly connected according to Instructions provided in this manual.
Low / surging pressure or motor does not stop when spray gun trigger is released **Note:** The Pressure washer is NOT receiving full volume of incoming water The machine requires pressurized water source capable of sustaining a minimum of 20 psi at 5 gpm.	Faucet is not fully open	Verify incoming water supply faucet is open at the maximum setting.
	Garden hose is too long or it is kinked / restricted	Use a maximum garden hose length of 50 ft. (15,2 m) (city water) or 25 ft. (7,5 m) (well water). Ensure the garden hose is laid out flat and does not have any kinks or leaks. Unwrap garden hose from reel or hook (if applicable). Replace garden hose if necessary.
	Water inlet fil er screen is clogged	Remove the fil er screen (O) from the water inlet (M) and clean it thoroughly. Replace the fil er screen.
	Extension cord is too long or wire gauge Is too small	We do not recommend using of extension cords with your high-pressure washer. If you must use an extension cord, verify that it meets the minimum requirements listed in the Extension Cord paragraph under the Power Supply & Electrical info in this manual.

No water coming out of nozzle	Nozzle is clogged	Clean the nozzle according to the instructions provided in the Nozzle paragraph under Maintenance section of this manual.
	Water inlet fil er screen is clogged	Remove fil er screen (O) from the water inlet (M) and clean it thoroughly. Replace the fil er screen.
	Kink in the garden hose or hose is wrapped on a storage wheel	Use a maximum garden hose length of 50 ft. { 15,2 m (city water) or 25 ft. (7.6 m) (well water). Ensure the garden hose is laid flat and does not have any kinks or leaks. Unwrap garden hose from reel or hook (if applicable). Replace garden hose if necessary.
Spray Gun Trigger will NOT Move	Gun safety lock is engaged	Release safety lock according to instructions provided in the Starting paragraph under Operation in this manual.
Unit will NOT start **Note:** Unit will only start and run when trigger is depressed and water is spraying!	Unit is not turned ON	Verify that the ON/OFF switch is full ingaged in the ON position.
Motor stops working during normal operation **Note:** Motors thermal overload switch tripping the motor is overheated Allow the motor to cool for 20 minutes before troubleshooting and the switch will automatically reset	Extension cord is too long or wire- gauge is too small	We do not recommend using of extension cords with your high-pressure washer. If you must use an extension cord, verify that it meets the minimum requirements listed in the Extension Cord paragraph under the Power Supply & Electrical info in this manual.
	Defective Spray Gun	Clean the nozzle according to the instructions provided in the Nozzle paragraph under Maintenance section of this manual.

Connecting and Disconnecting the Spray Lance **Note:** Due to the high pressures produced by your pressure washer, the lance must seal lightly to the gun. As the result of normal operation the lance can become difficult o attach or remove and this process may require considerable force.		**To attach the Lance** - apply steady downward pressure on the lance (in the direction of the trigger) while simultaneously twisting the lance 90° counter clockwise. It may help if you set the gun vertically on a flat surface with the lance pointing upwards. The two tabs on the end of the lance must be fully inserted in the gun before the lance will twist and lock. If this does not work then remove the bayonet o-ring from the end of the lance and attach the lance to the gun without the o-ring in place. You will need to replace the o-ring.
		To remove the Lance - release any trapped pressure in the gun f hose by turning the unit OFF and squeezing the gun trigger. Apply steady downward pressure on the lance (in the direction of the trigger) while simultaneously twisting the lance 90° clockwise. It may help if you set the gun vertically on a flat su face with the lance pointing upwards.

9. TECHNICAL SPECIFICATIONS

Nominal voltage	230 V
Nominal frequency	50 Hz
Nominal power input	1200 W
Nominal pressure	6 MPa
Maximum pressure	9 Mpa
Nominal flow rate	5.5L/ min.
Maximum flow rate	6.5L/ min.
Maximum feed water temperature	40°C
Hose length	3 m
Operating range	8 m
Internal protectio	II.
Power cord length	5M
Dimensions (width x depth x height)	265 x 260 x 430 mm
Weight without accessories	5,7 kg
Weight with accessories	6,5 kg
Maximum water inlet pressure in pascals	0.69 MPa
Minimum water inlet pressure in pascals in case it is necessary for correct operation of appliance	0.14 MPa
Sound pressure level (Lpa)	85 dB
Sound power level, measured (Lwa	97 dB

Vibration: Ah = 0.5 ms^2, K=1.5 ms^2

The appliance shall be connected to the power supply systems of the Z max impedance in the place of connection (a household connection) up to 0.0277 ohms. The user shall be responsible for connecting the appliance to the power supply networks which complies with the above mentioned requirement. You can inform about the system impedance at the local power distributor´s office, if necessa y.

Changes of the text and technical specifications eserved.

The User's Manual is in a specific language ersion.

10. DECLARATION OF CONFORMITY

Product / Name: HIGH-PRESSURE WASHER / FIELDMANN

Type / Model: FDW 2004-E ..... 230V / 50Hz /1 200W

The product complies with the following directives:

- The Directive of the European Parliament and the Council No. 2006/95/EC dated 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits.
- The Directive of the European Parliament and the Council No. 2004/108/EC dated 15 December 2004 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility and repealing Directive No. 89/336/EEC.
- The Directive of the European Parliament and the Council No. 2006/42/EC dated 17 May 2006 on machinery, and amending Directive No. 95/16/EC.
- The Directive of the European Parliament and the Council No. 2011/65/EU dated 27 January 2003 on the restriction of the use of certain hazardous substances in electricaland electronic equipment.
- The Directive of the European Parliament and the Council No. 2005/88/EC dated 14 December 2005 amending Directive No. 2000/14/EC on the harmonisation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors.

and standards:

- EN 55014-1: 2006 + A1: 2009 + A2: 2011
- EN 55014-2: 1997 + A1: 2001 + A2: 2008
- EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
- EN 61000-3-3: 2014
- EN 60335-1: 2012
- EN 60335-2-79: 2012
- EN 62233: 2008

CE Certification 14

FAST ČR, a.s. is authorised to act on behalf of the manufacturer.

Manufacturer:

FAST ČR, a.s.
Černokostelecká 2111, 100 00 Praha 10, Czech Republic
Tax ID:: CZ26726548

In Prague, 17. 12. 2014

Name: Zdeněk Pech
Chairman of Board

FAST FAST ČR, a.s.
Černokostelecká 1621, 251 01 Říčany
IČO: 26726548 tel.: +420/ 323 204 111
DIČ: CZ26726548 fax: +420/ 323 204 110

Signature and stamps:

11. DISPOSAL

INSTRUCTIONS AND INFORMATION ON DISPOSAL OF USED PACKAGING.
Put any used package material to the place determined by the municipality for waste disposal.

DISPOSAL OF USED ELECTRIC AND ELECTRONIC EQUIPMENT

This symbol on products or accompanying documents means that used electric or electronic products must not be put to ordinary municipal waste. Hand over such products to determined collection points for proper disposal, restoration and recycling. Alternatively, in some countries of the European Union or other European countries you can return your products to your local dealer when you buy an equivalent new product. By dutiful disposal of this product you can preserve precious natural resources and you help prevent any potential adverse effects on the environment and human health which could be the results of wrong waste disposal. Ask your local authority or the nearest collection point for additional details. In case of improper disposal of this waste kind penalties can be imposed in accordance with national regulations.

For companies in the European Union countries
Should you want to dispose of electric and electronic devices, ask your dealer or vendor for necessary information.

Disposal in other countries outside the European Union
Should you want to dispose of this product, ask your local authorities or your dealer for necessary information about disposal method.

CE

This product fulfils all basic equirements of the EU directives that apply to it.

Text, design and technical specifications can change without prior n tice and we reserve the right for their change.