



Nilfisk E 130.2, E 140.2



(EN) User Manual

Nilfisk

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1 Safety Precautions and Warnings



Before starting up your high-pressure washer for the first time, this instruction manual must be read through carefully. Save the instructions for later use.

Safety instructions marked with this symbol must be observed to prevent danger to persons.

This symbol is used to mark safety instructions that must be observed to prevent damage to the machine and its performance.

This symbol indicates tips and instructions to simplify work and to ensure a safe operation.

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Extension cables should be of a watertight construction and comply with the below-mentioned requirements for length and cable dimensions.

1.0 mm ²	max.	12.5 m
1.5 mm ²	max.	20 m
2.5 mm ²	max.	30 m

Cable connections should be kept dry and off the ground.

Mains power connection



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

Only connect the machine to an installation with earth connection.

The electric installation shall be made by a certified electrician.

It is strongly recommended that the electric supply to this machine should include a residual current device (GFCI).

Water connection



Connection to the public mains according to regulations.

This high pressure washer is only allowed to be connected with the drinking water mains, when an appropriate backflow preventer has been installed, Type BA according to EN 1717. The backflow preventer can be ordered under number 106411177. 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 3/8 inch).

Operation by suction (for example from a rainwater vessel) is carried out without backflow preventer. Recommended suction set: 126411387.

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 running sands in the inlet water (i.e. from your own well), an additional filter should be mounted.

Repair and maintenance

WARNING! Always remove the electric plug from the socket before carrying out maintenance work on the machine.

Safety devices

Locking device on spray gun (7.5) (see foldout at the end of this manual):

The spray gun features a locking device. When the pawl is activated, the spray gun cannot be operated.

Thermal sensor:

A thermal sensor protects the motor against overloading. The machine will restart after a few minutes when the thermal sensor has cooled.

Pressure safety device

An integrated hydraulic safety valve protects the system from excessive pressure.

Description

1 Application

This high-pressure washer has been developed for domestic use within:

- Car, motorbike, boat, caravan, trailer, patio/drive/flagstones, woodwork, brickwork, barbecue, garden furniture, lawn mower

Section 5 describes the use of the high-pressure washer for various cleaning jobs.

Only use the high-pressure washer for purposes described in this manual.

The safety precautions must be observed to prevent damage to the machine, the surface to be cleaned or severe personal injuries.

• **Operation elements and model survey**



See illustration at the end of this manual.

- 1 Start/stop switch
- 2 Water inlet (with filter)
- 3 High pressure connection (only models without hose reel)
- 4 High pressure hose
- 5 Electric cable
- 6 Click & Clean spray lance
- 7 Spray gun with lock
- 8 Click & Clean Tornado[®] PR nozzle
- 9 Click & Clean Powerspeed[®] nozzle
- 10 Click & Clean foam sprayer
- 11 Nozzle cleaning tool

- 12 Trolley handle (telescopic handle)
- 13 Hose reel (not standard)
- 14 Hose hook
- 15 Model tag
- 16 Quick coupling
- 17 Button for telescopic handle
- 18 Turnable cable hook

Specifications: See model tag (15) of machine.

Sound pressure level measures in accordance with ISO 3744 EEC directive 2000/14/EEC: $L_{pA} = 69,9 \text{ dB(A)}$, $L_{WA} = 84 \text{ dB(A)}$.

We reserve the right to alter the specifications.

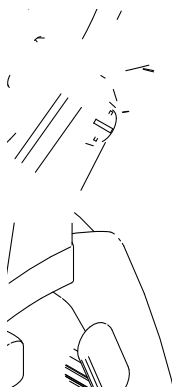


3 Before you start using your pressure washer

3.1 Mounting of trolley handle and hose hook (standard models)

1. Push down the trolley handle (12) over the two metal tubes. Make sure that the handle is mounted as illustrated. Mount screws with nuts (make sure that the screws go through handle as well as tube).
2. Mount the hose hook (14) on the machine (2 screws).
Note: the hose hook can be mounted on the front as well as on the back. Front position is to be used if the product is used together with a special wall hook for wall storage.

3. Mounting of hose reel handle (models with hose reel)



1. Click the hose reel handle on to the trolley handle (no screws).



3.3 Mounting of quick coupling

1. Screw the quick coupling (16)

4. Mounting of spray lance and Click & Clean nozzles



4.5 Start and stop of the machine (when connected to a water supply)

The spray lance is affected
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4.7 Pressure regulation on the TO N A O® P -





5 Fields of application and working methods

5.1 General

5. Typical fields of application



Below you will find a description of a lot of cleaning tasks which can be solved by a pressure washer from Nilpisk in association with accessories and detergents.

Task	Accessories 'Click & Clean'	Cleaning method
Car	Car nozzle, auto brush, underchassis nozzle, Foam sprayer, Car Combi Cleaner	<ol style="list-style-type: none"> 1. Apply Car Combi Cleaner with the foam sprayer. Always start from the bottom and work upwards. Let Car Combi Cleaner act for at least 5 min. 2. Wash the car with the car nozzle, which has been optimized for quick and gentle cleaning of enamelled surfaces (the jet is wider and not so sharp). Start at the front of the car and work backwards to avoid water from penetrating by the door mouldings. 3. Use the brush for removal of traffic film which is not removed by the nozzle. If the car is very dirty, apply Car Combi Cleaner again. 4. Attach the undercarriage nozzle and clean undercarriage and wheel arches. 5. Remove water from the surface of the car with the scraper on the car brush. Make sure that all grains of sand etc. have been removed before using the scraper. Wipe with a wash leather where the scraper cannot reach.
Rims, aluminium	Rim brush, auto nozzle, atomizer, Alu Cleaner	Apply Alu Cleaner with an atomizer. Let it act for approx. 5 min. and wash with the rim brush. For steel rims, use Car Combi Cleaner. Use the foam sprayer and wash with rim brush. Be careful! The high pressure jet may damage the tyres.
Flagstones, concrete floors and other hard surfaces	Powerspeed [®] nozzle, Stone & Wood Cleaner, Patio Cleaner	Wash towards outlets or the like. On surfaces with moss or algae you may start by applying Stone & Wood Cleaner with the foam sprayer. Wash before the soap dries. Another more effective and quicker method is to use the Patio Cleaner. Thus you will also avoid splashes.
Garden furniture, wood	Wood Cleaner Garden brush	Apply Wood Cleaner and wash before the soap dries. NOTE: Use the garden brush to clean off the dirt.
Brickwork, Wood work	Powerspeed [®] nozzle, Stone & Wood Cleaner, Patio Cleaner	Same method as for flagstones, but be careful - bad joints and wood may be damaged by high pressure. You may choose only to use the Tornado [®] nozzle. Adjust the distance (pressure) to the quality of the joints and the wood. Patio Cleaner can also be used on vertical surfaces.
Gutter	Underchassis spray lance	Wash the gutter with the nozzle. Always wash towards downpipes. Beware not to spray under the roofing.
Cleaning of drain pipes, outlets, down pipes etc.	Tube cleaner	Push the tube cleaner approx. 100 cm (to mark) into a tube or drain and activate the trigger of the spray handle. The nozzle opening turning backwards will pull the cleaner through the tube. The nozzle will break down the 'plug' and flush the dirt backwards.
Rust, paint	Water/sandblasting equipment	Mount the water/sand blasting equipment and rust and paint is efficiently and quickly removed. Beware not to damage the surface to be sandblasted.
Greenhouse	Tornado [®] PR nozzle brush, Stone & Wood Cleaner	Wash with high pressure and maybe a brush. You may use Stone & Wood Cleaner to remove moss and algae.
Garden tools, lawn mower	Tornado [®] PR nozzle, Powerspeed [®] nozzle, multiangle adaptor, Metal Cleaner	Rinse the worst dirt off with the nozzle. Apply Metal Cleaner with the foam sprayer and let it act for approx. 5 min. Wash with the nozzle. You may use the multiangle adaptor for hard to get at areas to avoid splashing.



6 After using your pressure washer



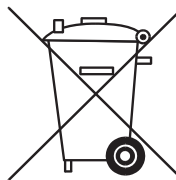
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8 Troubleshooting

9 Further information



9.1 recycling the washer



Make the old cleaner unusable immediately.

1. Unplug the cleaner and cut the electric cable.

Do not discard electrical appliances with household waste.

As specified in European Directive 2002/96/EC on old electrical and electronic appliances, used electrical goods must be collected separately and recycled ecologically.

Contact your local authorities or your nearest dealer for further information.

9. Warranty conditions

Nilpsk guarantees high pressure washers for domestic use for 2 years. If your high pressure washer or accessories are handed in for repair, a copy of the receipt must be enclosed. Guarantee repairs are being made on the following conditions:

that defects are attributable to flaws or defects in materials or workmanship. (wear and tear as well as misuse are not covered by the guarantee).

that the directions of this instruction manual have been thoroughly observed.

that repair has not been carried out or attempted by other than Nilpsk-trained service staff.

that only original accessories have been applied.

that the product has not been exposed to abuse such as knocks, bumps or frost.

that only water without any impurities has been used.

that the high pressure washer has not been used for rental nor used commercially in any other way.

Repairs under this guarantee include replacement of defective parts, exclusive of packing and postage/carriage. Besides, we refer to your national law of sale.

The machine should be forwarded to one of the service centres of the Nilpsk organisation with description/specification of the fault.

Repairs not covered by the guarantee conditions will be invoiced. (I.e. malfunctions due to **Causes** mentioned in section **Troubleshooting Chart** of the instruction manual).

In order that Nilpsk can render you optimum service, you should register your product on our web site www.nilpsk-alto.com under **PRODUCT REGISTRATION**.



9.3 Accessories

Only use original accessories.



Arto Finnen

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