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You can read the recommendations in the user guide, the technical guide or the installation guide for NILFISK E 140.2. You'll find the answers to all your questions on the NILFISK E 140.2 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual NILFISK E 140.2**  
**User guide NILFISK E 140.2**  
**Operating instructions NILFISK E 140.2**  
**Instructions for use NILFISK E 140.2**  
**Instruction manual NILFISK E 140.2**



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....17 1 Safety Precautions and Warnings Symbols used to mark instructions 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. Do not let children or people who have not read the instruction manual operate the machine. 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 Nilfisk distributor. Especially check: The insulation of the electric cable should be faultless and without any cracks. If the electric cable is damaged, an authorized Nilfisk distributor should replace it. **WARNING!** High pressure jets can be dangerous.

Never direct the water jet at persons, pets, live electrical equipment or the machine itself. Never try to clean clothes or footwear on yourself or other persons. Hold the spray lance firmly with both hands. The spray lance is affected by a thrust of up to 16.4 N during operation. @@@@If any doubt arises, please contact the local authorities. @@@@Never let any persons stay under the product when stored on the wall. **WARNING!** Inadequate extension cables can be dangerous. Cables on drums should always be completely unwinded to prevent the cable from overheating. 3 Extension cables should be of a watertight construction and comply with the below-mentioned requirements for length and cable dimensions.

1.0 mm<sup>2</sup> 1.5 mm<sup>2</sup> 2.5 mm<sup>2</sup> max. max.

max. 12.5 m 20 m 30 m 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 ½ 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 (7a) (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. 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). 2 Description 2.1

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. 4 2.2 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: LpA = 69,9 dB(A), LWA = 84 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. 3.2 Mounting of hose reel handle (models with hose reel) 1. Click the hose reel handle on to the trolley handle (no screws). 5 3.

3 Mounting of quick coupling 1. Screw the quick coupling (16) tight on to the water inlet (2). Note: The inlet filter must always be fitted in the water inlet pipe to filter out sand, limestone and other impurities as these will damage the pump valves. Caution: Failure to fit the filter will invalidate the guarantee. 3.4

Mounting of high pressure hose Attach the high pressure hose (4) to the spray gun (7). De h the high pressure hose by pressing the pawl (A). 4 Operating your pressure washer 4.1 Connection of high pressure hose (models without hose reel) 1. Mount the high pressure hose on the outlet (3).

6 4.2 Mounting of spray lance and Click & Clean nozzles 1. Push the spray lance (6) into the spray gun (7) and screw it on. 2. Attach the nozzle.

Warning: When attaching the Click & Clean nozzles, the pawl on the side of the spray lance should come out again. Note: The Tornado® PR nozzle and the foam sprayer feature a swivel lock, which must be positioned in the hole in the Click & Clean spray lance.



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Press the pawl to detach the Click & Clean nozzle. Note: The spray lance (6) has a built-in low pressure nozzle that can be used for flushing away dirt. 4. 3 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 running sands 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. @@@@pressure: 10 bar, max. temperature: 50°C). 3. @@@@@@@IMPORTANT: Point the nozzle at the ground. 1. Check that the machine is in upright position. NOTE: Do not place the machine in high grass! 2. Release the trigger lock. 3.

@@@4. Turn the start/stop switch (1) to position "I". 5. Activate the trigger of the spray gun. @@@@Turn the start/stop switch to position "O". 2. Disconnect the electrical plug from the socket. 3. @@@4. Lock the spray gun.

@@@The hose for the water supply must not be too long, approx. 5 m. @@1. @@2. Turn the start/stop switch to position "I". 3. @@4. @@Only mount the wall hook on a sturdy wall. @@@@Important: The bearing capacity of the wall hook is max. @@@@@@@Note: It is important that the detergents do not dry up.

@@Special wash brushes offer this supplementary effect that cuts through dirt (especially by car washing). 10 5.2 Typical fields of application Bele. 4. Place spray handle, nozzles and other accessories in the holders of the machine. Should the machine by mistake be frozen, it will be necessary to check it for damage. NEVER START-UP A FROZEN MACHINE. Frost damages are not covered by the guarantee! 6.2 Winding up of electric cable and high pressure hose To avoid accidents, the electric cable and the high pressure hose should always be wound carefully up. 1.

Wind up the electric cable on the appropriate hooks. Builtin clip for good holding (1). The lower hook can be turned to release the electric cable. 2. The high pressure washer comes in two models: A) with hook for storage of high pressure hose (14) - B) with a hose reel (13).

6.3 Storage of accessories f d b a+f a e c The standard accessories (spray gun (f), spray lance (a), nozzles (b) foam sprayer (c)) can be stored on the pressure washer. The nozzle cleaning tool (d) and a Click & Clean brush (e) can also be stored on the product. 12 7 Maintenance 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. Make sure that no sand or dirt is blocking the movement of the pawl on the Click & Clean spray lance. Rinse the detergent spraying attachment after use. Clean the nozzles. Any repair should always be made in an authorized workshop with original spare parts. 7.1 Cleaning of water inlet filter Clean the water inlet filter regularly once a month or more frequently according to use. Carefully loosen the filter with a pair of pliers and clean it. Check that it is intact before re-mounting it. The inlet filter must always be fitted inside the water inlet pipe to filter out sand, limestone and other impurities, as they will damage the pump valves.

CAUTION: Failure to fit the filter will invalidate the guarantee. 7.2 Cleaning of nozzle A clogging up in the nozzle causes a pump pressure which is too high. This is why cleaning is required immediately. 1. Stop the machine and disconnect the nozzle. 2. Clean the nozzle. IMPORTANT: The cleaning tool (11) should only be used when the nozzle is detached! 3. Flush the nozzle backwards with water.

7.3 Cleaning of machine vents The machine should be kept clean so as to let cooling air pass freely through the machine vents. 7.4 Greasing of couplings To ensure an easy connection and that o-rings do not dry up, the couplings should be greased regularly. 13 8 Trouble-shooting To avoid unnecessary disappointments, you should check the following before contacting the Nilfisk service organization: Symptom Cause Recommended action Plug in machine.

Try another socket. Replace fuse. Switch off other machines. Try without the extension cable. Check that hoses and connections are airtight. Clean and replace or refer to local Nilfisk distributor Clean and replace or refer to local Nilfisk distributor. Activate the trigger of the spray gun. Replace fuse. Switch off other machines. Check that the mains voltage corresponds to specification on the model tag. Leave the washer for 5 minutes to cool down. Clean the nozzle (see section 7.2) Change to an installation higher than the amp. consumption of the machine. You may try without the extension cable.

Allow machine to run with open trigger until regular working pressure resumes. Check that the water supply corresponds to specifications required (see model tag) NB! Avoid using long, thin hoses (min. 1/2") Clean the nozzle (see section 7.2) Clean the filter (see section 7.1) Straighten out hose. Contact your nearest Nilfisk Service Centre. Wait for pump/hoses or accessory to thaw. Clean inlet water. Clean the filter (see section 7.1) Clean the nozzle (see section 7.

2) Machine refuses to start Machine not plugged in Defective socket Fuse has blown Defective extension cable Fluctuating pressure Pump sucking air Valves dirty, worn out or stuck Pump seals worn out Motor busses Machine stops Low voltage or low temperature Fuse has blown Incorrect mains voltage Thermal sensor activated Nozzle partially blocked Fuse blows Fuse too small Machine pulsating Air in inlet hose/pump Inadequate supply of mains water Nozzle partially blocked Water filter blocked Hose kinked Machine often starts and stops by itself Machine starts, but no water comes out Pump/spray gun is leaking Pump/hoses or accessory frozen No water supply Water filter blocked Nozzle blocked In case problems other than the above occur, please contact your local Nilfisk distributor. 14 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. 9.2 Warranty conditions Nilfisk 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.



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*(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 Nilfisk-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 Nilfisk 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 Nilfisk can render you optimum service, you should register your product on our web site [www.nilfisk-alto](http://www.nilfisk-alto). @@@@Optimal distance: 30 - 50 cm. 90° angled special nozzle for undercarriage and wheel arches.*

*@@Fits all nozzles. For cars and other surfaces. @@Special spray lance for washing your car underneath. 15 m long tube cleaner for the cleaning of tubes and drains. Water-sandblasting equipment For removal of paint and rust.*

*Sand available from do-it-yourself shops. Patio Plus Equipment for quick cleaning of patio/drive/flagstones. Garden brush Rotating brush for cleaning of wooden surfaces. Rim brush Rotating brush for cleaning of wheel rims. Wall hook For suspension of your high pressure washer on the wall.*

*Rotary brush For cleaning vehicles and other surfaces. Water suction kit For removal of large amounts of water from e.g. garden ponds. 16 Detergents Stone & Wood Cleaner Plastic Cleaner Metal Cleaner Car Combi Cleaner Alu Cleaner Oil & Grease Cleaner Wood Cleaner For flagstones, brick- and woodwork. Suitable for moss and algae. For plastic and synthetic materials such as garden furniture. For cleaning of metal such as garden tools. For cars etc. With rinsing wax.*

*For surfaces of aluminium. Applied with an atomizer. For cleaning of grease and oil on motors for instance. Applied with an atomizer. For cleaning of wooden surfaces incl. of wooden garden furniture. 10 EU Declaration of Conformity EU Declaration of Conformity Product: Type: Description: The design of the unit corresponds to the following pertinent regulations: High Pressure Washer Nilfisk E 130.2, E 140.2 230 V 1~, 50 Hz - IP X5 EC Machine Directive EC Low-voltage Directive EC EMV Directive 98/37/EC 73/23/EC 2004/108/EC Applied harmonised standards: EN 60335-2-79 Applied national standards and technical specifications: IEC 60335-2-79 Nilfisk Division of Nilfisk-Advance A/S Industrivej 1 DK-9560 Hadsund Hadsund, 01.01.*

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