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You can read the recommendations in the user guide, the technical guide or the installation guide for NILFISK P 150.1. You'll find the answers to all your questions on the NILFISK P 150.1 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual NILFISK P 150.1
User guide NILFISK P 150.1
Operating instructions NILFISK P 150.1
Instructions for use NILFISK P 150.1
Instruction manual NILFISK P 150.1



Nilfisk P 130.1/150.1/160.1
Nilfisk P 130.1/150.1/160.1 X-TRA



EN User Manual

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Nilfisk



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Manual abstract:

1/150.1/160.1 Nilfisk P 130.1/150.1/160.1 X-TRA User Manual 128303204 c Printed in China Copyright © 2010 Nilfisk, Division of Nilfisk-Advance A/S We congratulate you on your new Nilfisk High Pressure Washer We are confident that the new high pressure washer of Nilfisk will justify your expectations of quick and effective cleaning. Now you have a cleaning device which will facilitate your future cleaning tasks and make them more effective. Many tasks which were previously difficult, can now be solved in a few minutes and with a much better result. If, contrary to expectations, problems should arise which cannot be remedied by means of the information in section 8.0, the Nilfisk service organization will be at your disposal.

Nilfisk is a global concern with a comprehensive knowledge within development and manufacturing of efficient and environmentally friendly cleaning solutions. Our product range comprises cleaning solutions for selected customer groups - from machines for domestic use to big industrial cleaning systems.

The expertise of Nilfisk is cleaning focusing the need of the customer. Our wish is that you as a customers should feel quite confident that the cleaning equipment you buy from us is the most efficient and that it fulfils all of your expectations. Best regards Nilfisk Division of Nilfisk-Advance A/S Fields of application EN Model survey (P 12 476) The applications for this product are domestic cleaning jobs: Car, motorbike, boat, caravan, trailer, patio/drive/flagstones, woodwork, brickwork, barbecue, garden furniture etc.

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Connection for high pressure hose (only PRO 130/150/160) 4. Connection for water (with filter) 5. High pressure hose 6. Spray gun with trigger (6a) and locking device (6b) 7. Spray lance with bayonet socket 8.

TORNADO® PR nozzle 9. POWERSPEED® nozzle 10. Needle for cleaning of nozzle 11. Detachable container for detergents 12. Dosing regulator for detergents 13.

Pressure gauge (not available on model B) 14. Regulation of pressure / water volume (not available on model B) 15. Hose reel (only PRO 130/150/160 X-TRA) 16. Hose storage (only PRO 130/150/160) Specifications: See model tag of machine. @@P 150.1: LpA = 80 dB(A), LWA = 93 dB(A), P 160.1: LpA = 80 dB(A), LWA = 95 dB(A). Hand/arm vibrations measured according to ISO 5349 is < 2.5 m/s².

@@@@@ - Always uncoil the extension cable completely to avoid heat damage to the cable. Water connection 1 2 Connect the high pressure washer by means of a water hose to the water tap (pressure of inlet water, max. 10 bar - temperature of inlet water, max. 60°C). You may use an ordinary ½" garden hose of min. 10 m and max. 25 m. Attach the hose using a quick connector. NOTE: 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 sand in the inlet water (i.e. from your own well), a filter should be mounted.
1.

Insert the holder in the recess of the handle (see illu.). 2. Fix the holder with the screw. Mount water filter and water inlet connection (4). PRO 130/150/160 X-TRA: Mount the handle for the hose reel. 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, it should be replaced by an authorized Nilfisk distributor.

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). Safety precautions · WARNING! High pressure jets can be dangerous. Never direct the water jet at persons, pets, live electrical equipment or the machine itself. · The operator and anyone in the immediate vicinity of the site of cleaning should take action to protect themselves from being struck by debris dislodged during operation. Wear goggles during operation. 4 Preparation EN Operating Instructions 2.3 Start EN · Never try to clean clothes or footwear on yourself or other persons. · Do not let children or people who have not read the instruction manual operate the machine.

· Never use the machine in an environment where there could be a danger of explosion. If any doubt arises, please contact the local authorities. · It is not allowed to clean asbestos-containing surfaces with high pressure. 1. Check that the machine is in vertical position.
2. Activate the trigger of the spray gun (6a) and let the water run out until any air has escaped from the inlet hose. 3. Turn the start/stop switch (2) to pos. 1.
2.4 Operation 1. Always hold the spray lance firmly with both hands! The spray lance is affected by a longitudinal thrust of up to 16.4 N when the high pressure washer is operated. 2. Point the nozzle at the ground! 3. Activate the trigger of the spray gun (6a). 4. Always adjust the distance and thus the pressure of the nozzle to the surface which is to be cleaned. NOTE: The pressure can be regulated on the TORNADO® PR nozzle or the button for regulation of pressure / water volume (14).

High pressure Safety devices Locking device on spray gun The spray gun features a locking device (6b). 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 2.0 Operating Instructions 2.1 Operating facilities · Start-/stop rotary switch (2). · Spray gun (6) with trigger (6a) and locking device (6b). · Dosing regulator for detergents (12).



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· Regulation of pressure / water volume (14).

(not available on model B) Low pressure NOTE: Do not cover the machine during operation. If the machine is left or not used for 5 minutes, it must be switched off on the start/stop switch (2) pos. O. Operation with detergents Application of detergents is NOT possible if an extension hose is applied. 1.

Fill the container with a detergent. 2. Mount the TORNADO® PR nozzle and adjust it to low pressure (see section 2.4.4).

3. Adjust the dosing regulator (12) to the required volume of detergent (0-5%). 4. Apply the detergent from below and upwards. 5. @@@@ Only use one extension hose of max. 7 m. PRO 130/150/160 X-TRA: Unwind the high pressure hose completely. 2. @@3.

Mount the nozzle or any other equipment you want to use. 4. @@ Remove the cover with suction hose from the detergent container. 2. @@@@ Stop the machine by turning the start/stop switch (2) to pos. O. 2. Disconnect the plug from the socket. 3. @@@@ Remount the filter in the suction hose.

@@@@@ The water inlet hose must not be too long, approx. 5 m. 1. @@2. @@3.

Start the machine. 4. Detach the spray lance and activate the trigger of the spray lance. Keep the trigger activated until water has come out for approx. 15 seconds.

5. Remount the spray lance and the machine is ready for operation. @@@@ Nozzles Attached with the bayonet coupling system. Stored on the machine. Tornado® PR (8) Universal adjustable nozzle. Turn to the left: high pressure. Turn to the right: low pressure. @@@@ garden pounds. Detergents Only use original accessories. Stone & Wood Cleaner For flagstones, brick- and woodwork.

Suitable for moss and algae. For plastic and synthetic materials such as garden furniture. @@ For cars and other surfaces. Available in more shapes. 15 m long tube cleaner for the cleaning of tubes and drains. @@ With rinsing wax. Tube cleaner Alu Cleaner 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. @@ blasting equipment Sand available from do-it-yourself shops. Patio Plus Equipment for quick and regular cleaning of horizontal (tiles etc.) and vertical surfaces. Rotating brush fuse has blown Defective extension cable Fuse has blown Incorrect mains voltage Thermal sensor activated Recommended action Plug in machine.

Try another socket. Replace fuse. Switch off other machines. Try without the extension cable. Replace fuse.

Switch off other machines. Check that the mains voltage corresponds to specification on the model tag. Wait - the machine will start after a few minutes.

WARNING! The trigger of the spray gun must not be activated. Change to an installation higher than the amp. consumption of the machine. You may try without the extension cable. Machine stops Fuse blows Fuse too small Machine pulsating Air in inlet hose/pump Allow machine to run with open trigger until regular working pressure resumes. Inadequate supply of Check that the water supply corresponds to mains water specifications required (see model tag) NB!

Avoid using long, thin hoses (min 1/2") Nozzle partially blocked Clean the nozzle (see section 4.1) Water filter blocked Clean the filter (see section 4.

2) Hose kinked Straighten out hose. High pressure hoses too long Disconnect high pressure extension hoses and retry. (Extension hose max. 7 m). Pump/spray gun is leaking Pump/hoses or accessory frozen No water supply Water filter blocked Nozzle blocked Button for regulation of pressure / water volume not correctly adjusted (not available on model B) Contact your nearest Nilfisk Service Centre. Wait for pump/hoses or accessory to thaw. Connect inlet water.

Clean the filter (see section 4.2) Clean the nozzle (see section 4.1) Adjust the button to correct working pressure.

Machine often starts and stops by itself Machine starts, but no water comes out Pump pressure drops In case problems other than the above occur, please contact your local Nilfisk distributor. UK: Customer Services at Penrith - 01768 868995 9 9.0 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.

(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 Possible Causes mentioned in section Troubleshooting Chart of the instruction manual).

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