



Nilfisk



Caution:
Read the instructions
before using the machine

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Part 1:3 Safety Instructions High Pressure Washer Nilfisk TITAN X-TRA

Safety Instructions Original Safety Instructions



Before first use of the machine, read the instructions carefully. Save instructions for later use.



Safety instructions marked with this symbol must be observed to prevent personal injury or serious damage to property.

- The instruction consists of 3 parts. Part 1:3 Safety Instructions. Part 2:3 User Guide. Part 3:3 Technical Data and Declaration.

Warnings ⚠ This machine has been designed for use with cleaning agents supplied or recommended by Nilfisk. The use of other cleaning agents or chemicals may adversely affect the safety of the machine. ⚠ High pressure jets

can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the machine itself. ⚠ Do not use the machine



within range of persons unless they wear protective clothes.

⚠ Do not direct the jet against yourself or others in order to clean footwear. ⚠ Risk of explosion – Do not spray flammable liquids. ⚠ High pressure washers shall not be used by children or untrained personnel. ⚠ High pressure hoses,

fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by Nilfisk. ⚠ To ensure machine safety, use only original spare parts recommended by Nilfisk. ⚠ Water that has flown

through back-flow preventers is considered to be non-potable.

⚠ Don't use the machine if a supply cord or important parts

of the machine are damaged, e.g. safety devices, high pressure hoses, trigger gun. ⚠ Inadequate extension cords can be dangerous. If an extension cord is used, it shall be suitable for outdoor use, and the connection has to be kept dry and off the ground. It is recommended that this is accomplished by a cord reel which keeps the socket at least 60 mm above the ground. ⚠ Switch off and unplug the machine when leaving it unattended, when finished using it or when converting it to another function, when doing repair and maintenance. ⚠ During use of high pressure washers, aerosols may be formed. Inhalation of aerosols can be hazardous to health, for the protection against aerosols a respiratory mask of class FFP 2 or equivalent may be needed, depending on the cleaning environment.

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Intended Use and Terms of Liability The TITAN X-TRA

has been developed for domestic cleaning purposes only and for use in an upright position. Any other use is considered as improper use. • A high pressure washer operates with different levels of pressure and cleaning detergents for various cleaning tasks and results. Always follow instructions on detergents for use, emergency and disposal. • Do not operate the machine at temperatures below 0°C. Never start a frozen machine, never use it indoor and never cover it during use. This is considered improper and wrongful use. Use of wrongful pressure, detergent and/or applications may cause damage to machine, surfaces, material and devices. All of the above is considered improper and wrongful use. Nilfisk accepts no liability for any damage resulting from any improper or wrongful use. Please refer to our website at www.get-started.nilfisk.com for further instructions and information on use, emergency and disposal.

Safety devices and their functioning

The machine automatically stops when releasing the trigger. The machine will start again when reactivating the trigger. The spray handle features a locking device. When activated, the spray handle cannot be operated. The machine has an automatic self-resetting thermo protector. If the machine is overheated, the thermo protector will cut the power supply. In this case, wait for the machine to cool down. An integrated hydraulic safety valve protects the system from excessive pressure.

Precautions


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 machine should include either a residual current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30 ms or a device that will prove earth circuit. • Use motor start/delayed fuses with characteristic D according to IEC 947-2 or corresponding standard outside IEC • If the supply cord is damaged, it must be replaced by an authorized Nilfisk distributor or similar qualified person in order to avoid a hazard. • No actions needed for adjusting machines marked with dual voltage and frequency. • Supervise children not to play with the machine. • The operator and any one in the immediate vicinity of the site for cleaning should take action to protect oneself from being struck by debris dislodged during operation.

• Always wear safety boots, respiratory mask, ear protection, goggles and protective clothing during operation. • The high pressure generated by the machine is a particular source of danger. Hold the spray lance firmly with both hands. The spray lance is affected by a kickback force and a sudden torque during operation. • See Part 3:3 for the actual size of the kickback force. • During transportation: Position the machine horizontally on the backside and secure with straps.

High pressure washers shall not be used nor maintained by children. The machine can be used by people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if given supervision or instructions concerning use of the machine in a safe way and understands the hazards involved.

Part 2:3 provides a general overview of the machine and operation elements along with illustrated sections on preparation, operation, water connection, storage, and user maintenance.


A Unpacking and preparing for use Follow illustrations in A.

B Connection to potable water mains  High pressure washers are not suitable for connection to the potable water mains. Always check national regulations before connecting the machine to potable water mains and use a back-flow preventer if required. • Use ½" garden hose, 10-25 m. • Follow illustrations in B.

C Connection to other water sources You can connect the machine to e.g. rain water vessels, rivers, lakes and cisterns etc. and operate it in suction mode. Follow illustrations in C.

D Leaving the machine unattended > 5 min.  See listed warnings. Follow the illustrations in D.

E After use and storage After use always: Turn off the machine. Empty machine and accessories of water to avoid frost damage. Remove the plug from socket. Disconnect water inlet hose. Wind up electrical cable and high pressure hose to avoid damage of cable, high pressure hose and fittings. Storage of machine shall be frost free. • Follow illustrations in E.

F Maintenance, inspection and repair Maintenance of the machine should always be done when starting up after long time of storage.  Before use, always inspect the machine and equipment for damages. In case of damages, act according to listed warnings. • Do not attempt any maintenance not described in the instructions. If the machine refuses to start,

stops, pulsates, pressure fluctuates, motor buzzes, fuse blows or no water comes out, check the trouble shooting diagram at our website www.get-started.nilfisk.com. Any repair should always be made in Nilfisk authorized workshop with original Nilfisk spare parts. • User maintenance according to illustrations in F.