



Nilfisk Instruction Manual

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Nilfisk Instruction



D 140.4, D-PG 140.4, E 145.4 , E 150.2, E 160.1

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.

WARNING:

- 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.

Intended Use and Terms of Liability

- The C-, D-, E- and P-series have 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 re-activating the trigger. The spray handle features a locking device. When activated, the spray handle cannot be operated. The machine has an automatic self-resetting thermal protector. If the machine is overheated, the thermal 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 standards 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.

Within EU

- 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.

Outside EU

- High pressure washers shall not be used nor maintained by children or untrained people or people with reduced physical, sensory or mental capabilities or lack of experience and knowledge.

User Guide

Provides a general overview of the machine and operation elements along with illustrated sections on preparation, operation, water connection, storage, and user maintenance.

Unpacking and preparing for use: Follow illustrations in A.

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.

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.

Pairing of spray handle and machine: C-PG and D-PG series only. After battery insert, D1.1, you have 2 min. to pair spray handle and machine. The light will flash orange when searching for the machine. When paired, the light will turn off. Follow illustrations D1.1 to D1.5. If pairing aborts, do pairing according to illustrations D2.1 to D2.5. Power regulation is indicated by green light, see illustration D3.1 and D3.2.

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

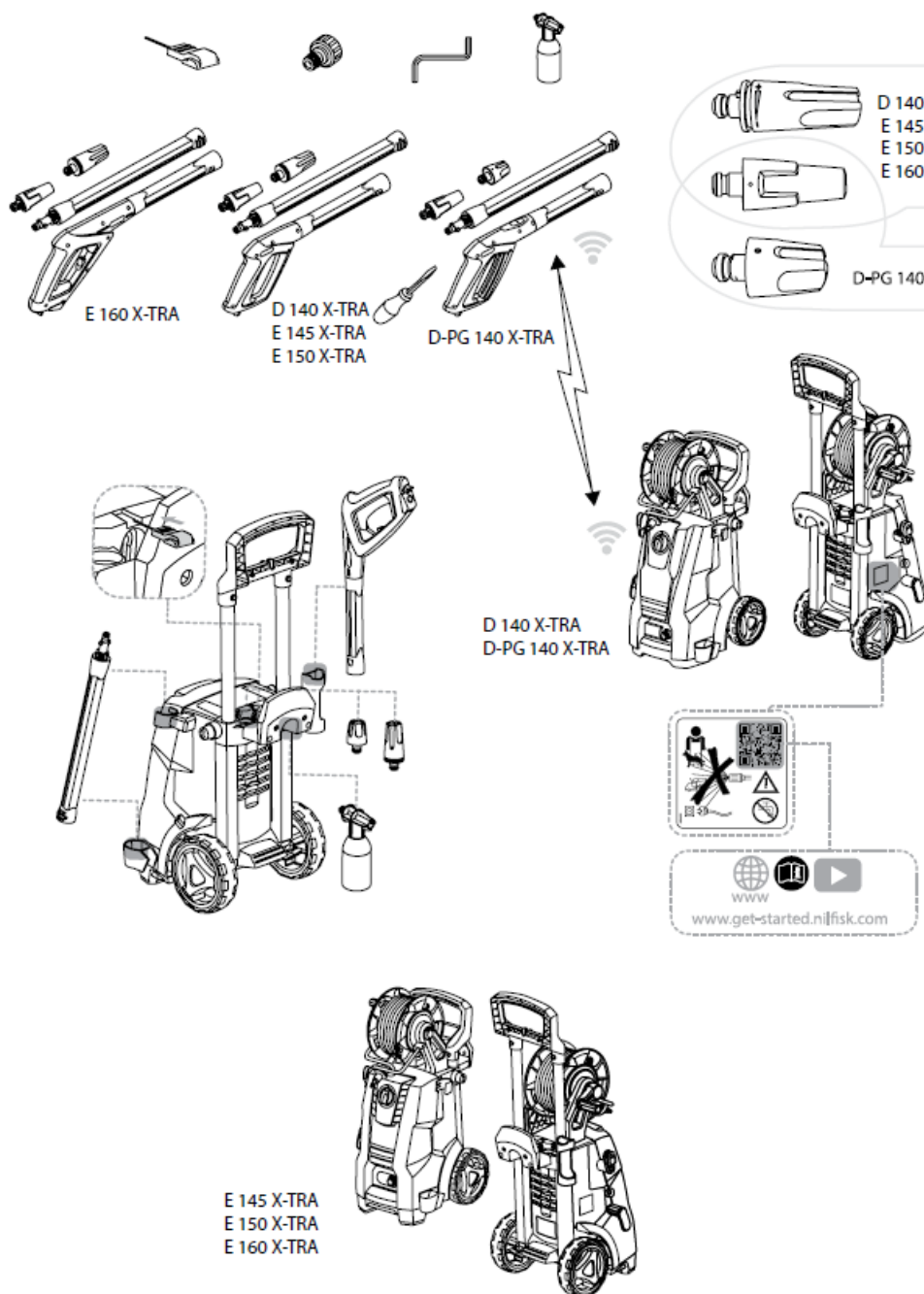
After use and storage: After use always: Turn off the machine. Empty machine and accessories of water to avoid frost damage. Remove the plug from socket. Disconnect water inlet hose. Wind up electrical cable and high pressure hose to avoid damage of cable, high pressure hose and fittings. Storage of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

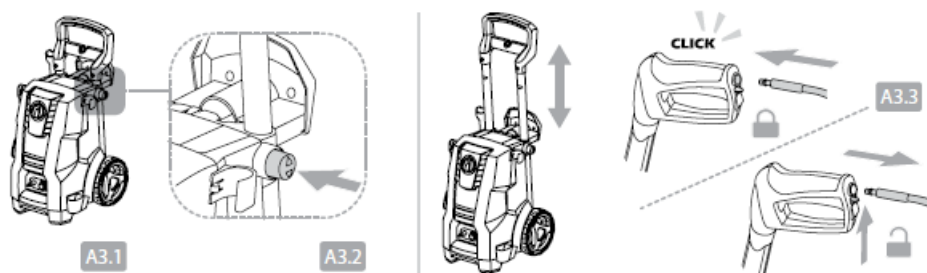
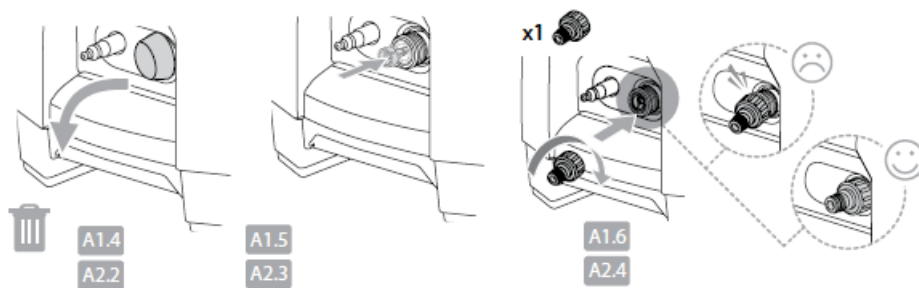
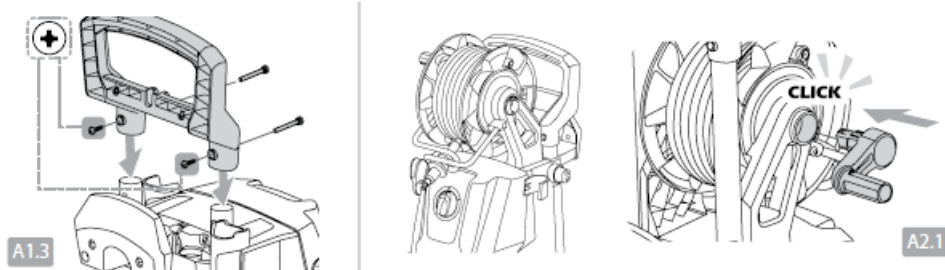
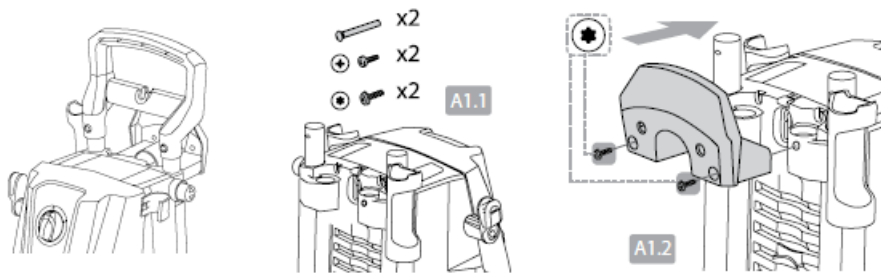
Maintenance, inspection and repair: Maintenance of the machine should always be done when starting up after

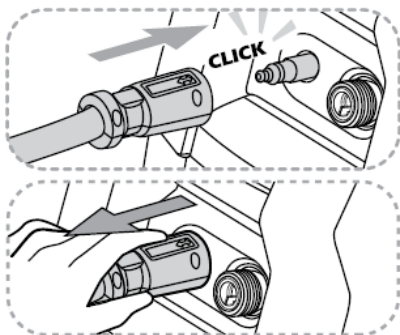
long time of storage.

- 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.nifisk.com. Any repair should always be made in Nilfisk authorized workshop with original Nilfisk spare parts.
- User maintenance according to illustrations in G.

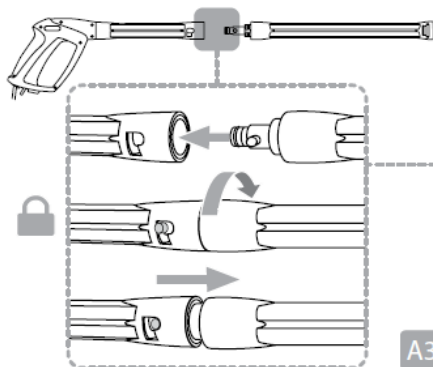
Diagrams



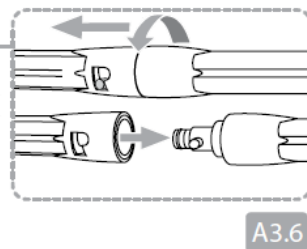




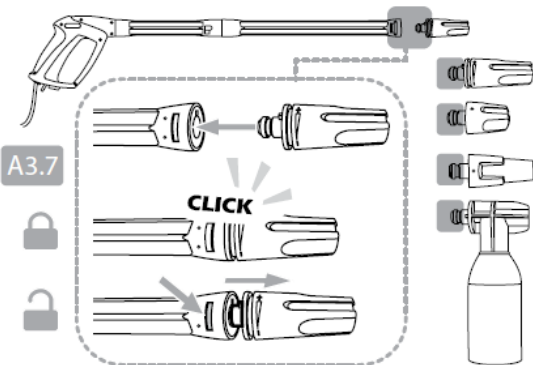
A3.4



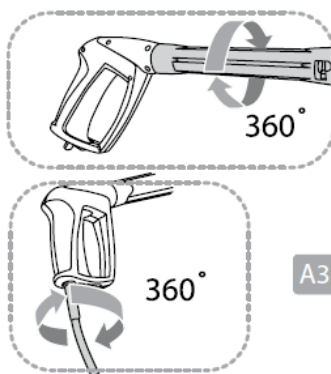
A3.5



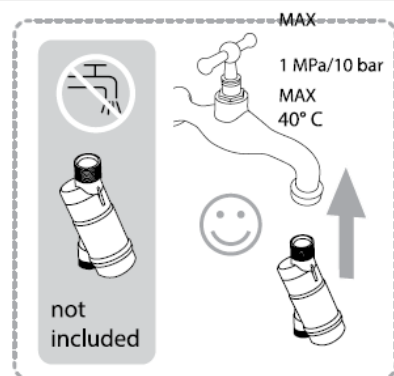
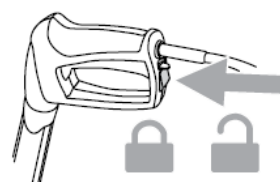
A3.6



A3.7



A3.8



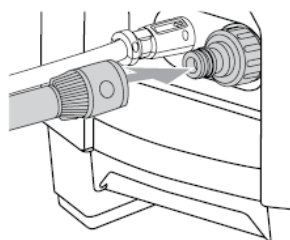
B1.1



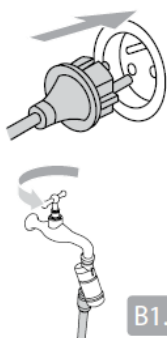
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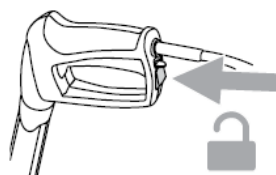
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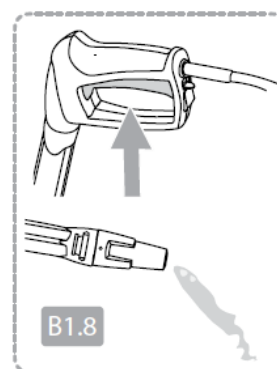
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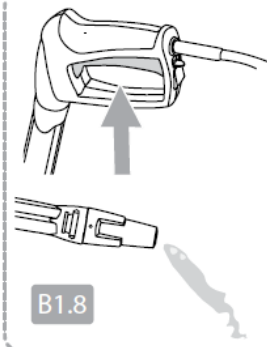
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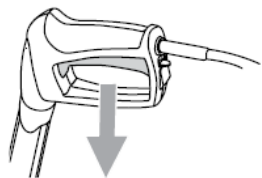
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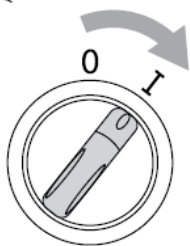
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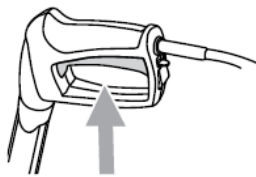
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B1.9



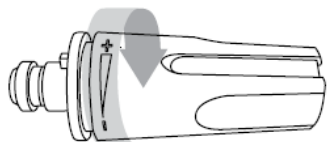
B1.10



B1.11

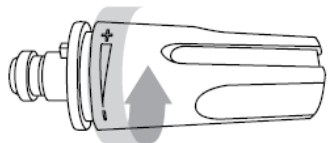


B1.12

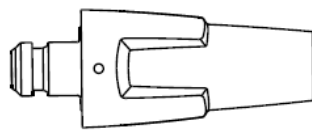


B2.1

MPa
bar



MPa
bar



B2.2



not
included



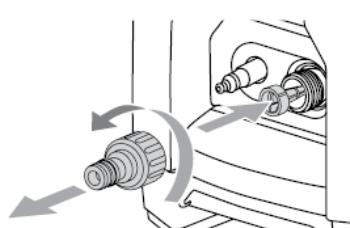
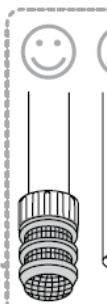
MAX 3m

MAX 1m

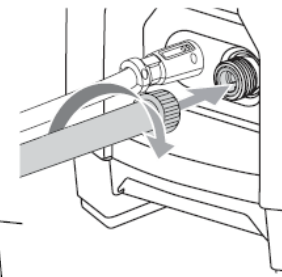
MAX 20° C



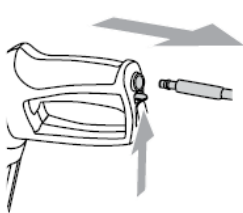
MIN 1/2"



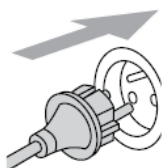
C1.1



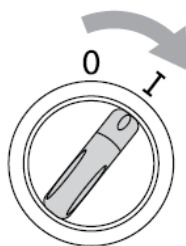
C1.2



C1.3



C1.4



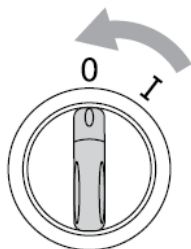
C1.5



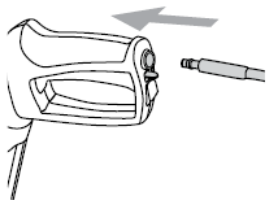
MAX 2min



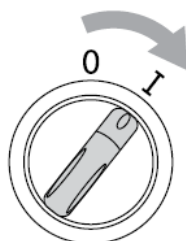
C1.6



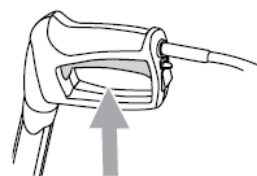
C1.7



C1.8



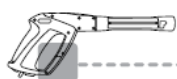
C1.9



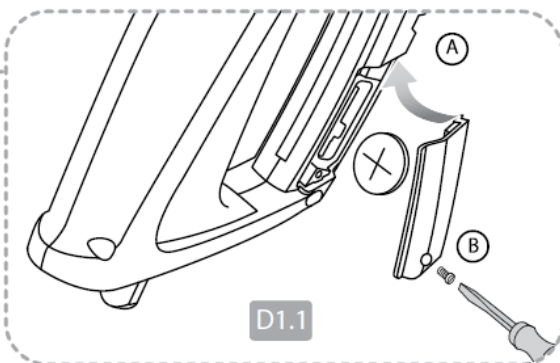
C1.10



C1.11



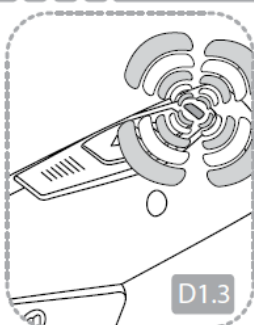
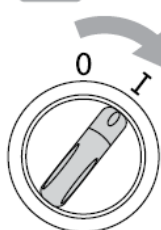
D-PG 140



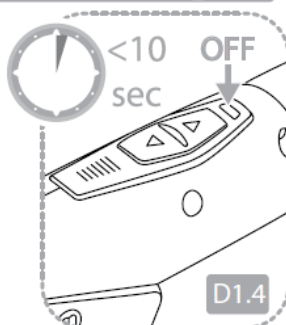
D1.1

start [progress bar] max 2min

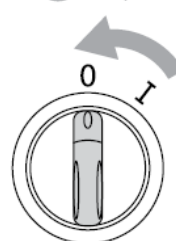
D1.2



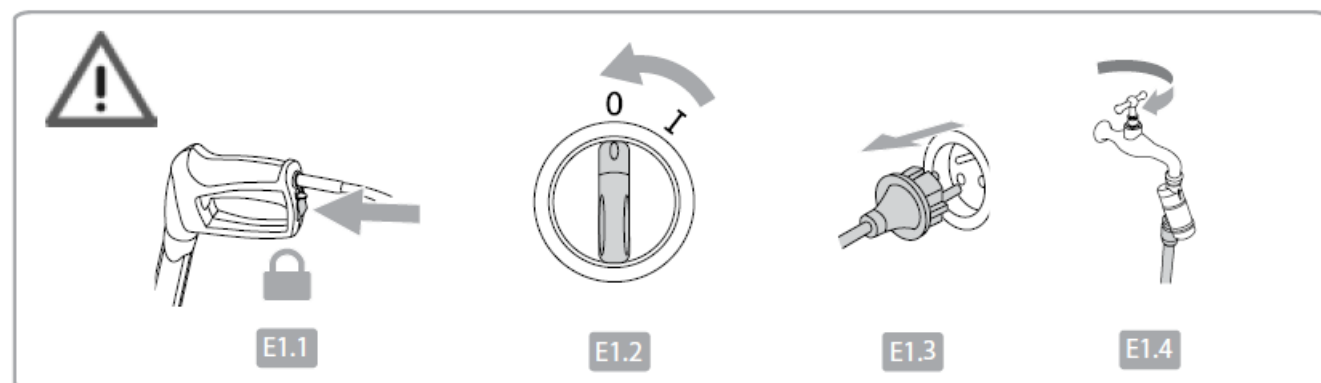
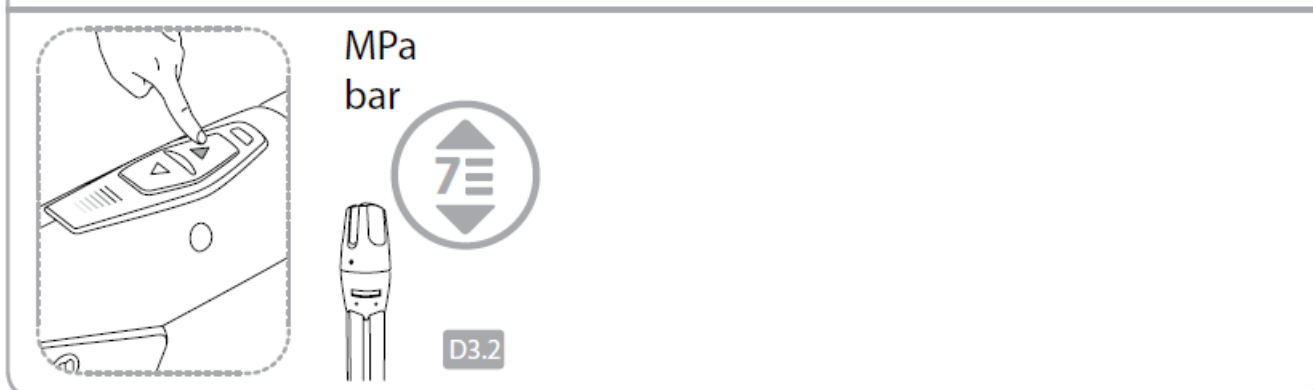
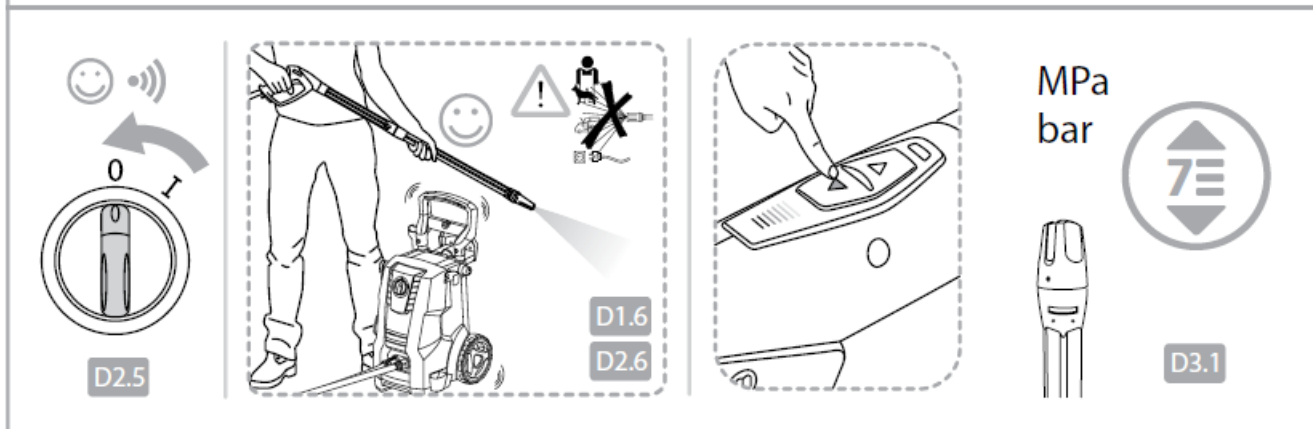
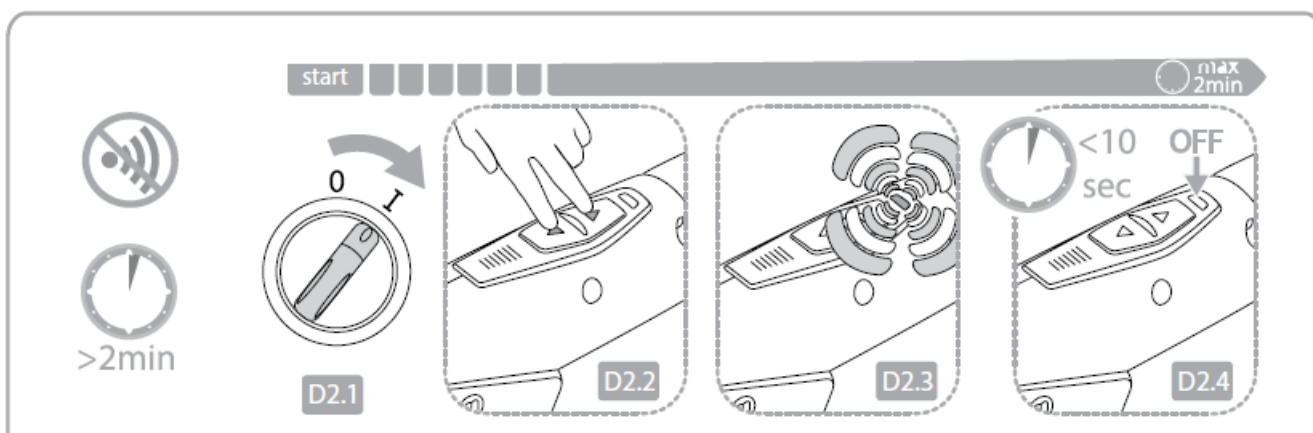
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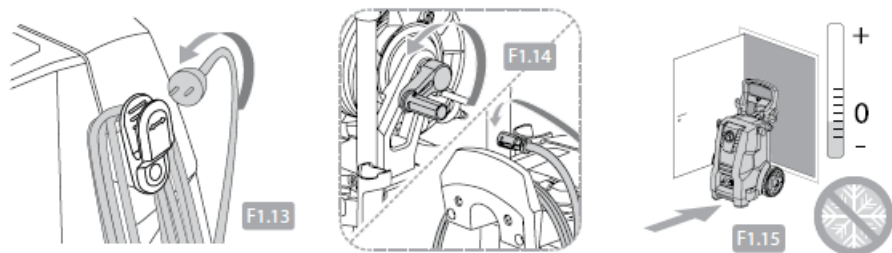
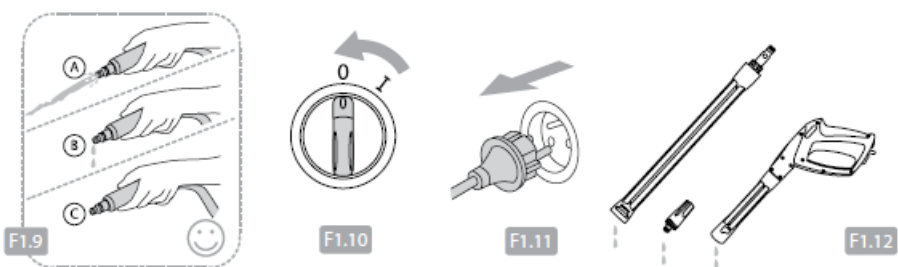
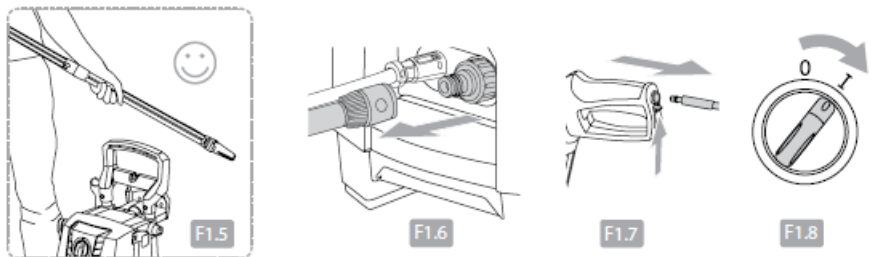
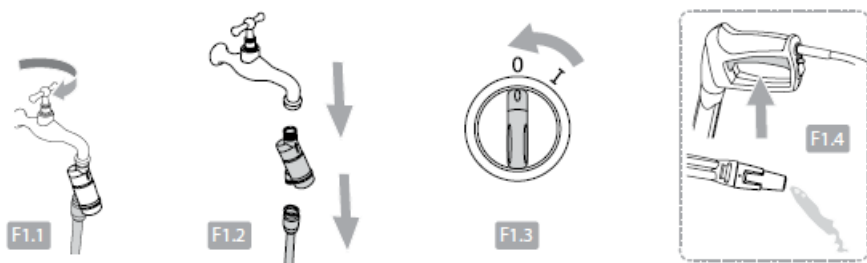


D1.4



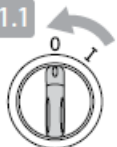
D1.5



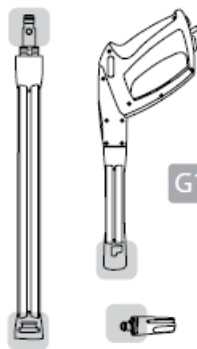




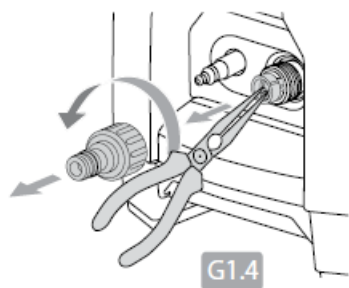
G1.1



G1.2



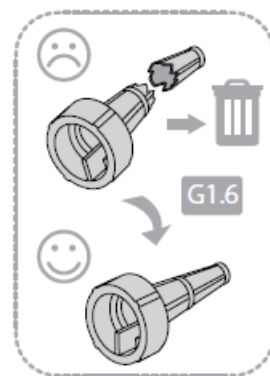
G1.3



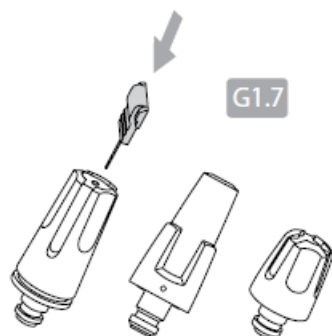
G1.4



G1.5



G1.6



G1.7



128500938 Super Foam Sprayer		128470456 Multi Brush	
106411177 BA-Valve		128470459 Multi Brush Kit	
128500673 Inlet Suction Hose		128500955 Power Patio	
6411131 Click&Clean Auto Brush		128500702 Patio	
6411135 Click&Clean Underchassis Nozzle		6410766 Drain & Tube Cleaner - 15 m	
6411136 Click&Clean Auto Nozzle		128470040 Roof Cleaner	
6410762 Rotary Brush		126411387 Wall Bracket	

Technical Data and Declaration of Conformity

		D 140.4 D-PG 140.4	E 145.4	E 150.2	E 160.1
Electric specifications	Unom	230-240 V			
	f _{nom}	50 Hz			
	P _{nom}	2.4 kW	2.1 kW		2.3 kW
	I _{nom}	10 A	9.5 A	10 A	10.5 A

Protection Class	Class I/Class II	Class I			
Protection degree	IP XX	IP X5			
Hydraulic specifications	p _{nom}	13.5 MPa / 135 bar	13.0 MPa / 130 bar	14.0 MPa / 140 bar	14.5 MPa / 145 bar
	p _{max}	14.0 MPa / 140 bar	14.5 MPa / 145 bar	15.0 MPa / 150 bar	16.0 MPa / 160 bar
	Q	7.0 l/min / 420 l/h	7.0 l/min / 420 l/h	6.7 l/min / 400 l/h	6.8 l/min / 410 l/h
	Q _{max}	8.3 l/min / 500 l/h			
Max. water inlet pressure	p _{inlet max}	1 Mpa / 10 bar			
Max water inlet temperature	t _{inlet max}	40° C			
Max water inlet temp. suction mode	t _{inlet max}	20° C			
Kick-back force	F _{kickback}	19.2 N	19.2 N	18.4 N	19.3 N
Weight	M _{machine}	13.8 kg	18.6 kg	19.8 kg	20.6 kg
Hand-arm vibration according to: Standard nozzle	a _{ha}	< 2.5 ± 1 m/s ²			
Sound pressure level L _{pA}	L _{pA} standard	77.2 ± 2 dB(A)	71.8 ± 2 dB(A)		
Guaranteed sound power level L _{WA}	L _{WA} standard	92 dB(A)	86 dB(A)		

We, Nilfisk hereby declare under our sole responsibility, that the above mentioned product(s) is/are in conformity with the following directives and standards

HEAD QUARTER

DENMARK

Nilfisk A/S
Kornmarksvej 1
DK-2605 Broendby
Tel.: (+45) 4323 8100
Website: www.nilfisk.com

SALES COMPANIES ARGENTINA

Nilfisk srl.
Edificio Central Park
Herrera 1855, 6th floor/604
Ciudad de Buenos Aires
Tel.: (+54) 11 6091 1571
Website: www.consumer.nilfisk.com.ar

AUSTRALIA

Nilfisk Pty Ltd
Unit 1/13 Bessemer Street Blacktown NSW 2148
Tel.: (+61) 2 98348100
Website: www.consumer.nilfisk.com.au

AUSTRIA

Nilfisk GmbH
Metzgerstrasse 68
5101 Bergheim bei Salzburg
Tel.: (+43) 662 456 400 90
Website: www.nilfisk.at

BELGIUM

Nilfisk n.v-s.a.
Riverside Business Park
Boulevard Internationalelaan 55 Bâtiment C3/C4 Gebouw
Bruxelles 1070
Tel.: (+32) 24 67 60 50
Website: www.consumer.nilfisk.be

BRAZIL

Nilfisk do Brasil
Av. Eng. Luis Carlos Berrini, 550
40 Andar, Sala 03
SP – 04571-000 Sao Paulo
Tel.: (+11) 3959-0300 / 3945-4744
Website: www.nilfisk.com.br

CANADA

Nilfisk Canada Company
240 Superior Boulevard Mississauga, Ontario L5T 2L2
Tel.: (+1) 800-668-8400
Website: www.nilfisk.ca

CHILE

Nilfisk S.A. (Comercial KCS Ltda) Salar de Llamara 822
8320000 Santiago

Tel.: (+56) 2684 5000
Website: www.nilfisk.cl

CHINA

Nilfisk
4189 Yindu Road
Xinzhuang Industrial Park
201108 Shanghai
Tel.: (+86) 21 3323 2000
Website: www.nilfisk.cn

CZECH REPUBLIC

Nilfisk s.r.o.
VGP Park Horní Počernice
Do Čertous 1/2658
193 00 Praha 9
Tel.: (+420) 244 090 912
Website: www.consumer.nilfisk.cz

DENMARK

Nilfisk Danmark A/S
Industrivej 1
Hadsund, DK-9560
Tel.: 72 18 21 20
Website: www.consumer.nilfisk.dk

FINLAND

Nilfisk Oy Ab
Koskelontie 23 E
02920 Espoo
Tel.: (+358) 207 890 600
Website: www.consumer.nilfisk.fi

FRANCE

Nilfisk SAS
26 Avenue de la Baltique
Villebon sur Yvette
91978 Courtaboeuf Cedex
Tel.: (+33) 169 59 87 24
Website: www.consumer.nilfisk.fr

GERMANY

Nilfisk GmbH
Guido-Oberdorfer-Straße 2-10 89287 Bellenberg
Tel.: (+49) (0)7306/72-444
Website: www.consumer.nilfisk.de

GREECE

Nilfisk A.E.
Αναπαύσεως 29
Κορωπί T.K. 194 00
Tel.: (30) 210 9119 600
Website: www.consumer.nilfisk.gr

HOLLAND

Nilfisk B.V.

Versterkerstraat 5
1322 AN Almere
Tel.: (+31) 036 5460760
Website: www.consumer.nilfisk.nl

HONG KONG

Nilfisk Ltd.
2001 HK Worsted Mills
Industrial Building
31-39, Wo Tong Tsui St.
Kwai Chung, N.T.
Tel.: (+852) 2427 5951
Website: www.nilfisk.com

HUNGARY

Nilfisk Kft.
II. Rákóczi Ferenc út 10
2310 Szigetszentmiklós-Lakihegy
Tel.: (+36) 24 475 550
Website: www.nilfisk.hu

INDIA

Nilfisk India Limited
Pramukh Plaza, 'B' Wing, 4th floor, Unit No. 403 Cardinal Gracious Road, Chakala
Andheri (East) Mumbai 400 099
Tel.: (+91) 22 6118 8188
Website: www.nilfisk.in

IRELAND

Nilfisk
1 Stokes Place
St. Stephen's Green
Dublin 2
Tel.: (+35) 3 12 94 38 38
Website: www.nilfisk.ie

ITALY

Nilfisk SpA
Strada Comunale della Braglia, 18
26862 Guardamiglio (LO)
Tel.: (+39) (0) 377 414021
Website: www.nilfisk.it

JAPAN

Nilfisk Inc.
1-6-6 Kita-shinyokohama, Kouhoku-ku Yokohama, 223-0059
Tel.: (+81) 45548 2571
Website: www.nilfisk.com

MALAYSIA

Nilfisk Sdn Bhd
Sd 33, Jalan KIP 10
Taman Perindustrian KIP
Sri Damansara
52200 Kuala Lumpur
Tel.: +603 6275 3120

Website: www.nilfisk.com

MÉXICO

Nilfisk de México S. de R.L. de C.V.
Pirineos 515, Int. 60-70
Zona Industrial Benito Juárez
Queretaro, QRO, CP 76120
Tel.: (+52) (442) 427 77 91
Website: www.nilfisk.com

NEW ZEALAND

Nilfisk Limited
Suite F, Building E
42 Tawa Drive
0632 Albany Auckland
Tel.: (+64) 9 414 1996
Website: www.nilfisk.com

NORWAY

Nilfisk AS
Bjørnerudveien 24
1266 Oslo
Tel.: (+47) 22 75 17 80
Website: www.consumer.nilfisk.no

PERU

Nilfisk S.A.C.
Calle Boulevard 162, Of. 703, Lima 33- Perú Lima
Tel.: (511) 435-6840
Website: www.nilfisk.com

POLAND

Nilfisk Sp. Z.O.O.
Millenium Logistic Park
ul. 3 Maja 8, Bud. B4
05-800 Pruszków
Tel.: (+48) 22 738 3750
Website: www.consumer.nilfisk.pl

PORTUGAL

Nilfisk Lda.
Sintra Business Park
Zona Industrial Da Abrunheira
Edifício 1, 1º A
P2710-089 Sintra
Tel.: (+351) 21 911 2670
Website: www.nilfisk.pt

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