



LYNX

ELEKTRO MASCHINEN

BEDIENUNGSANLEITUNG
OPERATING INSTRUCTION
NAVODILA ZA UPORABO
UPUTE ZA UPOTREBU
UPUTSTVO ZA UPOTREBE

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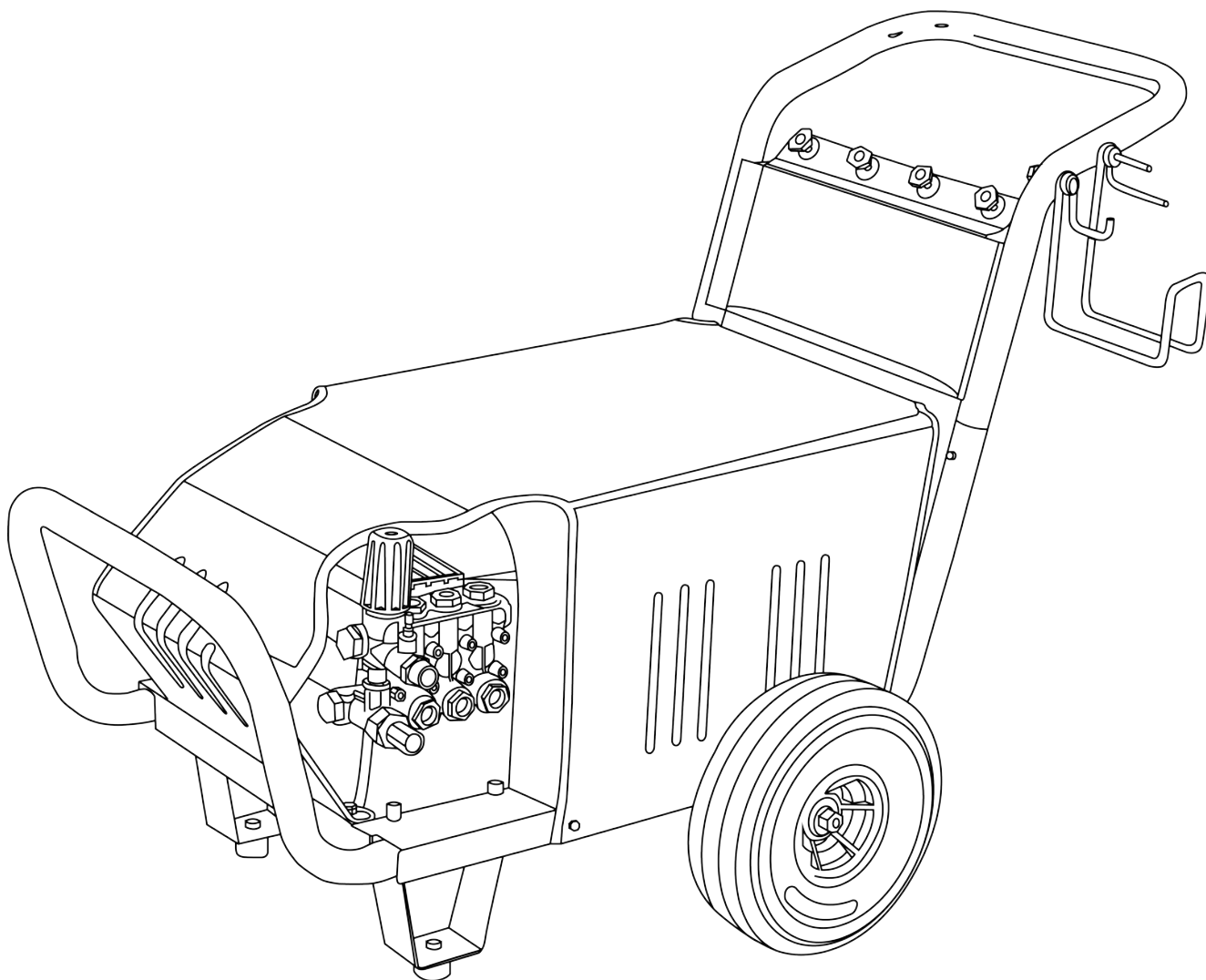
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IMPORTANT - WICHTIG - POMEMBNO - PAŽLJIVO

Carefully read before use! Keep for looking up later!

Vor Gebrauch sorgfältig lesen! Für späteres Nachschlagen aufbewahren!

Preberite navodila za uporabo, pred zagonom, in jih shranite za kasnejšo uporabo

Pažljivo pročitatite prije upotrebe! Spremite za kasnije korištenje!



Instructions

This appliance intended to be used for commercial USE.

This manual presents the safety precautions, operation and usage and maintenance methods of cleaning machines. Please read thoroughly and understand these instructions. The life of your cleaning machine will be extended if you operate based on all requirements listed in instructions.

All technical materials and drawings are consistent to the latest products. There may be some tiny differences between what the instructions say and what the reality shows because of modifications and changes. The company has the exclusive right to modify at any time and shall not inform revised versions separately. We extend our apology for any inconvenience caused.

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I.Safety Attentions and Application Fields

1.In order to operate machines safely, please read this manual thoroughly in case of any damages happen because of improper operation.

Warning: Read this instruction manual thoroughly before operating the machine.

2.According to safety utilization of electric power, it is required to check supply power in order to ensure the supply power be within $\pm 10V$ tolerances of the rated voltage, and supply electric current be no less than rated current. In the process of operating the machine, safety ground must be connected and leakage circuit breaker must be installed on switches. Switches have to be grounded to match. Switch off power when out of use.

Warning: safety ground has to be connected when using the machine and leakage circuit breaker must be installed on switches.

3.Spraying the machine by water is forbidden.

Warning: Plugging power supply with wet hands is forbidden.

4.It is not allowed to pull and drag power wire to move cleaning

machines. Power wires cannot be cast anywhere.

Warning: it is forbidden to put power wires on the road or entrance when cleaning.

5.Entering water should be clear with normal temperature and the highest temperature cannot be more than 50 °C, pressure no more than 2bar. Water with temperature less than 0°C is not allowed to enter the machine.

6.Operating the machine in crowd who does not wear protective clothing and putting sprayer towards yourself or others to wash clothes or rain boot are not allowed. Spraying towards people, stuff or electric appliances is forbidden.

Warning: high-pressure water flow has potential danger. It is not allowed to spray towards people, animals, electric appliances or power supply.

7.In the process of working, it is required to supply continuous water to the machine. Otherwise, parts of machine apparatus will be broken under the circumstances of no water.

8.One must hold the spray gun with two hands when cleaning and cannot twine high-pressure water pipes.

9.Only detergent with no corrosiveness, no particle and with the viscosity of no more than 45mm²/s can be used.

Warning: detergent with chloride or having any bleaching effect cannot be used. And it is not allowed to use acid or corrosive detergent which can cause non-retrievable damages to the machine.

Warning: generally, the working pressure of cleaning machine has been set when out of factory. Please don't adapt by yourself.

Warning: it is forbidden to use alcohol, gasoline, hydrochloric acid and other inflammable and corrosive liquid as cleaning agent.

10.The high-pressure hose, adapter connector and spray gun are

the important parts of the machine. Original products from our company can be only used in order to guarantee safety operation of the machine.

Warning: if any malfunctions of power wires or any important parts of the machine occur, such as safety devices, high-pressure hose and spray gun, one should stop using the machine immediately.

11.If the motor or electrical appliance breaks down, one has to ask the professional department to come to repair to avoid any dangers.

Warning: those who are kids or not trained are not allowed to use the high-pressure cleaning machine. The machine cannot be working without people guarding.

12.Put the machine in a safe and stable place when operating. Users must be familiar with the working principles and the structure of the cleaning machine, and understand the emergency stop and the operation of all controlling parts. It is by no means allowed that any untrained people use the machine. Insist on routine maintenance and remove any failure immediately.

Warning: cut off power before doing maintenance for the cleaning machine.

13.If the cleaning machine is left unused for longtime, one should move the impeller several times in powering off before switching on the machine, and then restart the machine after checking.

Warning: users must conform to the above "Safety Attentions" when operating the cleaning machine. The manufacturer will not assume any responsibilities because of users' improper operations.

This machine is suitable for any water cleaning industry.

14. About appropriate personnel protection equipment (PPE) for high pressure cleaners in operation which shall be worn while operating the equipment.

15. The reaction forces 52,4N.
16. The electric supply connection is to be made by a qualified electrician and comply with IEC 60364-1.
17. 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.
18. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
19. **WARNING** This machine has been designed for use with the cleaning agent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the machine.
20. **WARNING** 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.
21. **WARNING** During use of high pressure cleaners, aerosols may be formed. Inhalation of aerosols can be hazardous to health.
22. **WARNING** 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.
23. **WARNING** Do not use the machine within range of persons unless they wear protective clothing.
24. **WARNING** Do not direct the jet against yourself or others in order to clean clothes or foot-wear.
25. **WARNING** Risk of explosion – Do not spray flammable liquids.
26. **WARNING** High pressure cleaners shall not be used by children or untrained personnel.

27. **WARNING** High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings **recommended by the manufacturer**.

28. **WARNING** To ensure machine safety, use only original spare parts from the manufacturer or approved by the manufacturer.

29. **Warning** that the machine has to be disconnected from its power source during cleaning or maintenance and when replacing parts or converting the machine to another function, for mains operated machines, by removing the plug from the socket-outlet.

30. **WARNING** Do not use the machine if a supply cord or important parts of the machine are damaged, e.g. safety devices, high pressure hoses, trigger gun.

31. **WARNING** 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 means of a cord reel which keeps the socket at least 60 mm above the ground.

32. **WARNING** Always switch off the mains disconnecting switch when leaving the machine unattended.

33. **WARNING** The employer shall perform a risk assessment in order to specify the necessary protective measures regarding aerosols, depending on the surface to be cleaned and its environment. Respiratory masks of class FFP 2, an equivalent or higher are suitable for the protection against hydrous aerosols.

34. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand

the hazards involved.

35. Children shall not play with the appliance. cleaning and user maintenance shall not be made by children without supervision.

36. This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

37. This machine can be used by people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the machine in a safe way and understand the hazards involved.

SYMBOLS

The labels on your tools and manual may show symbols. These represent important information about the product or instruction on its use.



Indicates a potential personal injury hazard.



In accordance with European directives applicable to this product.



Do not expose to rain or use in damp locations.



To reduce the risk of injury, user must read and understand owner's manual before using this product.



Always wear safety goggles or safety glasses with side shields and, as necessary, A full face shield when operating this product.



To reduce the risk of injection or injury, never direct a water stream towards people or pets or place any body part in the stream. Leaking hoses and fittings are also capable of causing injection injury.

Do not hold hoses or fittings.



To reduce the risk of injury from kickback, hold the spray lance securely with both hands when the machine is on.



Failure to use in dry conditions and to observe safe practices can result in electric shock.



Warning! Never point the gun to human, animals, the machine body, power supply or any electric appliances

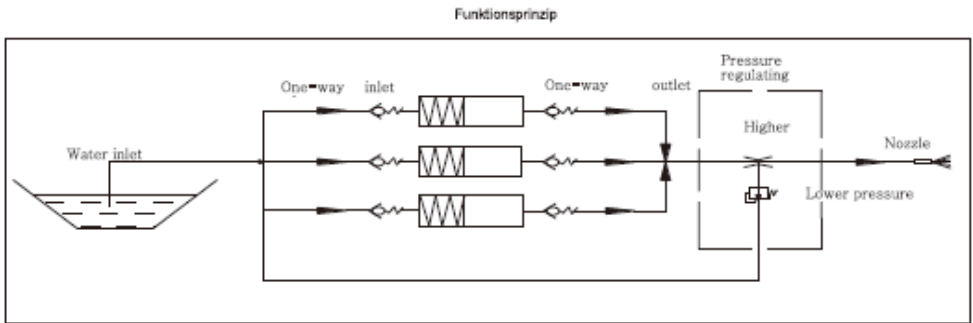


Machine not intended to be connected to the potable water mains



Waste electrical products should not be disposed of with household waste, please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

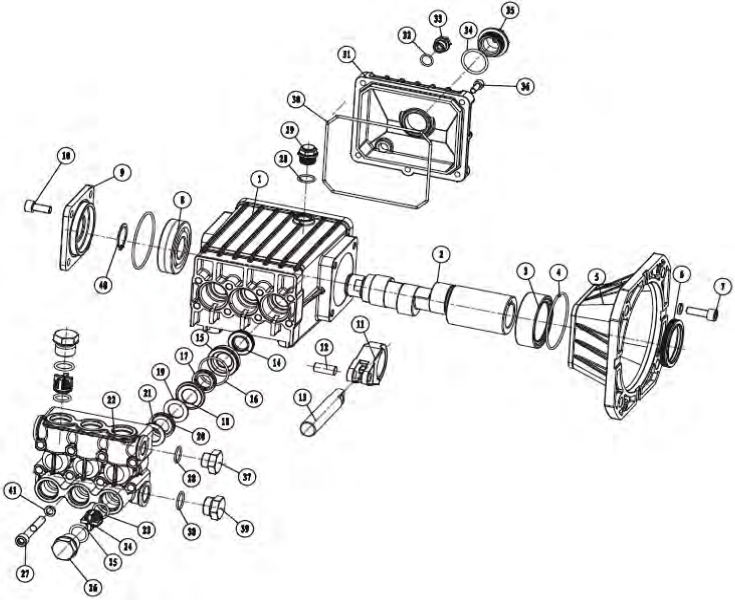
II. Working Principles



Principles illustration: the impetus drives high-pressure pump to rotate in the way that crankshaft connecting rod system makes plunger do reciprocating movement. In the case that the pump chamber in the cylinder is filled up by plunger moving, the inlet valve opens while outlet valve closes, so water enters pump chamber after passing water inlet pipe. In the case that the pump chamber in the cylinder is released by plunger moving, the inlet valve closes while outlet valve opens, so water in the pump chamber spays out through spray nozzle after triggering spray gun in the way that water passes through outlet valve and outlet pipe work. If the spray gun cannot be triggered, water in the pipe chamber pushes the differential plunger in the pressure regulating valve, so the water goes back from outlet to inlet, leading into the water temperature creeping up because of water internal recirculation in the high-pressure pump.

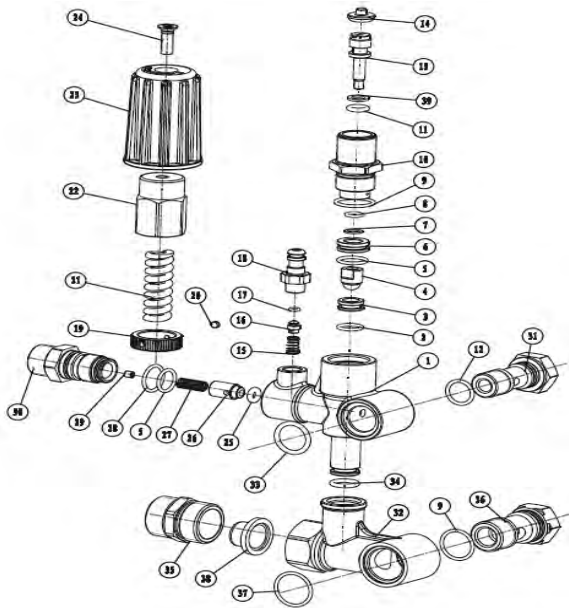
III.Products Structure

Breakdown Drawing of Pump



NO	Name	QTY	NO	Name	QTY	NO	Name	QTY	NO	Name	QTY
1	Crankcase	1	2	Bent Axle	1	3	Needle Bearing	1	4	63X2.20 type Loop	1
5	Flange	1	6	45X55X70!seal	1	7	M8X25 Bolt	4	8	6305 Bearing	1
9	Bearing Cap	1	10	M8X20 Bolt	4	11	Connecting Rod	3	12	Plunger Pin	3
13	Plunger	3	14	18X28X6/7 Oil Seal	3	15	Pressure Ring	3	16	31X2.20 type loop	3
17	Water seal	3	18	Supporting Ring	3	19	Water Seal Washer	3	20	Water Seal	3

21	Water Seal Support ing loop	3	22	Cylinder	1	23	15X2.40 type loop	6	24	One-way valve	6
25	17X2.650 type loop	6	26	One-way Valve Pressur e cap	6	27	M8X60 Bolt	8	28	13.5X1.80 type loop	2
29	Oil Plug	1	30	122X2.650 type loop	1	31	Crankcase rear cap	1	32	11.2X1.80 type loop	1
33	Purge Cock	1	34	25.8X2.650 type loop	1	35	M27 Oil lens	1	36	M6X20 Bolt	5
37	3/8 Screwed plug	1	38	18X1.80 type loop	1	39	1/2 Screwed plug	1	40	25 Ring shield	1
41	Spring washer	4	42	Spring washer	8						



NO	Name	QTY	NO	Name	QTY	NO	Name	QTY	NO	Name	QTY
1	Water Outlet Tee joint	1	2	10X1.90 type loop	1	3	Oral pad	1	4	Differential Valve	1
5	12.5X1.80 type loop	1	6	Plunger washer	1	7	6X9X1 Stop ring	4	8	6X1.80 type loop	1
9	17.5X1.80 type loop	1	10	Pressure Regulation pipe	1	11	6.5X2.60 type loop	1	12	7X11X1.2 Stop ring	1
13	Differential plunger	1	14	Pressure Regulating ring pad	1	15	Imbibition spring	1	16	Imbibition Cone calve	1
17	3X1.50 type loop	1	18	Imbibition connector	1	19	Pressure regulation locking Bolt	1	20	M4X4 Bolt	1
21	Pressure adjusting spring	1	22	Pressure adjusting cap	1	23	Pressure adjusting handrail	1	24	M6X16 Bolt	1
25	4.3X30 type loop	1	26	Outlet Valve	1	27	Valve head spring	1	28	15X1.80 type loop	2
29	Water Conversion connector	1	30	13.5X20 type loop	1	31	Outlet tee joint Locking bolt	1	32	Water absorption connector	1
33	17X2.60 type loop	1	34	10.6X2.40 type loop	1	35	Water absorption tee joint	1	36	Inlet tee joint locking bolt	1
37	20X1.80 type loop	1	38	Filter screen	1						

IV.Directions for Use

1、 After Unpacking

○, 1、 Check all accessories.

○,2、 Put handrail into groove and screw up with two wavemaster handles.

2、 Operation Requirements

The diameter of inlet pipe has to be no less than 1/2 inch.

The machine has the function of automatic water absorption. It is suggested to

use still non-particle still water that has no less than 15.0L/min as flow rate.

Supply water temperature cannot be more than 50°C.

In the process of working, hold trigger and spray gun with two hands.

Warning: generally, the working pressure of cleaning machines has already been set. Please don't adjust by yourself.

In the case that the spray gun has to be shut down, we recommend the time

cannot be more than 2 minutes.

3、 Preparations Before Switching on

Check if and nuts and bolts are loose before switching on.

Change oil filler plug:

The red oil filler plug on the pump is for the convenience of transportation. Please change with the refuel ruler in the accessory bag before switching on.

Warning: Oil filler plug has to be changed, otherwise the machine oil temperature in the pump will be high when operating, causing the danger of hot oil expanding and exploding because of higher pressure.

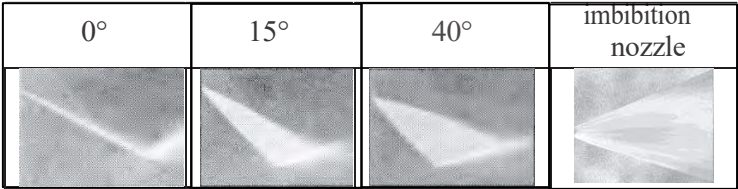
4、 High-pressure Pipe Connection.

Screw the thread of high-pressure pipe into the connection position and fasten it. The other thread of high-pressure pipe will be connected and fastened with spray gun.

5、How to Use Spray Gun

- Quick-changing nozzle and spray gun

Such
spray gun
has all four
nozzles as
shown in the



pictures. Among them, nozzles of 0°、15°、40° angles are high-pressure nozzles, while imbibition nozzle is low-pressure nozzle.

Change of quick-changing nozzle: shut down spray gun first, and move the connection snap ring on the spray gun with left hand, while loose connection snap ring after putting new quick-changing nozzle with right hand. Last put all back to the original places.

Warning: spray gun has to be shut down when changing nozzles.

6、Imbibitions of Potions and Detergents

There is a pipette attached with the machine at random. During washing, one should first connect the pipette with the imbibition connector on the pump if potions or detergents are considered to be used, and then put the one side of pipette with filter screen into the finished potion or detergent. Finally, change nozzle with black imbibition nozzle or change the adjustable spray gun into low- pressure imbibition.

Warning: only detergent of non-corrosiveness, non-particles, and viscosity of no more than 40mm2/s could be used.

The Cleaning of Remnant Potions:

After using of potion or detergent, the remnant will damage high-pressure pump, so it is required to clean the pipette and pump. One can clean them by injecting water into pipette and spay water out.

Warning: it is prohibited to use detergent and soap water to clean

pipette and pump.

7、Using of Cleaning Machine

○,1Put inlet pipe into the water inlet of the machine and fasten it. Connect water to the other side of inlet pipe.

Warning: water inlet pipe has to be connected tightly. Otherwise, the pump cannot absorb water because water comes in.

○,2 First, connect with power and open the handle of spray gun trigger and last switch on the cleaning machine.

○,3After switching on, we can do the operation after the air in the pump comes out.

○,4 During operating, the distance between the spray nozzle and the ground to be cleaned cannot be too far. It is generally to be no more than 1 meter.

○,5 Pressure adjustment: adjust handle by rotating pressure in clockwise direction to have higher pressure, while adjust handle by rotating pressure in anticlockwise direction to have lower pressure. After finishing working, adjust handle in clockwise direction to make it back to the original place.

Warning: the preset pressure after out of factory could make the machine get best amount of pressure and clean well. It is not allowed to try to increase the pressure. The much pressure, the more dangerous the machine could be.

○,6 After finishing cleaning, one should first switch off the cleaning machine, and then stop water, last turn off spray gun. In such way could avoid the hurting danger coming from the high pressure in outlet pipe and spray gun.

8. In the case that there is abnormal noise or smoke dropping out from the motor, it is because of the over-high pressure. One

must lower the using pressure of the cleaning machine properly right now.

V. Maintenance

- 1、The pump is equipped with original "engine oil only for cleaning machine" when the machine is out of factory. After a while of using, the engine oil in the pump should be changed. It is suggested to use motorcycle engine oil of brand SAE 15W-40 or 4 stroke of the same brand. Engine oil amount is around to be 500ml.
- 2、After 50-hour working for new machine, high-pressure pump crankcase has to be cleaned. The specific methods are as followed: Open the draining oil screw in pump to clean up the old oil in the crankcase, and refill the clean coal oil into the crankcase until oil slightly creeps up the red marking line on the oil lens after reinstalling the draining oil screw. Let pump work without load for 5-10 seconds and empty all coal oil after switching off the machine and refill new engine oil.
- 3、Refill new engine oil to reach the red marking line on the oil lens.
- 4、Change engine oil in the same way after 100 hours of accumulating operation, so change oil every 100 hours in future. This is quite important to lengthen the pump life.
- 5、Pipette and outlet water pipe should be removed and empty all remnant water in the pump and place properly if the cleaning machine is left unused for longtime.
- 6、Clean water absorption net mat and twine in case net pad gets blocked and pressure becomes lower because of insufficient water absorption.
- 7、When storing the cleaning machine, one should pay attention to avoid rusting and breaking. If the temperature is lower, it should be considered to take proper measures of anti freezing or to use anti freezing solution to prevent components in the pump getting frost crack.

8、Warning: if the machine is left unused for longtime, one should turn the motion impeller for several times under the condition of power off when reusing of the machine.

VII. Failure and Remove

Checkpoint	Causes	Solutions
Low pressure 1. Water inlet pipe 2. Check valve 3. Regulating valve 4. Water seal 5. Sprinkler head 6. Power	1.1 Clogged filter 1.2 Leaking pipes (damaged) 1.3 Water inlet connector leaks 2.1 One-way valve worn or foreign objects existed 2.2 Damaged O-ring 3.1 Worn pressure regulator 4.1 Damaged water seal 5.1 Excessively large or damaged sprinkler head 6.1 Insufficient power or low input speed	1.1 Clean the filter 1.2 Replace with new pipe 1.3 Replace the inlet pipe washer 2.1 Replace worn one-way valve parts and clean foreign objects 2.2 Replace damaged O-rings or contact your dealer 3.1 Replace worn pressure regulator parts 4.1 Replace the water seal 5.1 Select the appropriate sprinkler head 6.1 Select the appropriate power and input speed according to the pump parameters
Water leakage 1. Water seal 2. Crankcase	1.1 Damaged high/low pressure water seal 1.2 Worn plunger 2.1 Moisture condenses into water and enters the crankcase 2.2 High water leakage from the water seal	1.1 Replacing the high/low-pressure water seal 1.2 Replace the plunger 2.1 Check if the lubricating oil is emulsified and place the pump in a relatively dry environment 2.2 Replace the main and auxiliary water seals
Oil leakage 1. Reciprocating oil seal in the crankcase 2. Rotary oil seal and O-ring of the end cover 3. Oil-drain screw 4. Rear cover 5. Piston crosshead	1.1 Damaged reciprocating oil seal 2.1 Damaged rotary oil seal or O-ring 3.1 Loose screws or damaged O-rings 4.1 Damaged rear cover O-ring or loose rear cover screws 5.1 Air holes or scratches on the crosshead	1.1 Replace the reciprocating oil seal 2.1 Replace rotary oil seal or O-ring 3.1 Tighten drain screw or replace the O-ring 4.1 Replace the rear cover O-ring and tighten the rear cover screws 5.1 Replace the crosshead
Overheat 1. Pump overload 2. Lubricant oil	1.1 Excessive pressure or speed 2.1 Low oil level or incorrect oil grade 3.1 Water in the lubricant	1.1 Adjust pressure and speed values according to the pump parameters

level and grade 3. Water entering the lubricant 4. Pump installation 5. Pump disassembly	4.1 Excessive tilt angle of pump installation 5.1 Mechanical failure	2.1 Add lubricant or replace with suitable lubricant 3.1 Replace the lubricant and check the seals for damage 4.1 Adjust pump mounting angle until level 5.1 Replace damaged parts
Early failure of seals 1. Plunger/piston crosshead 2. Pressure value 3. Inlet pressure and temperature 4. Water flow rate 5. Water quality 6. Dry run	1.1 Worn plunger/piston 2.1 High pump operating pressure 3.1 High inlet pressure and temperature 4.1 Insufficient water inlet 5.1 Excessive impurities in the water 6.1 Dry run of the pump	1.1 Replace worn plunger/piston 2.1 Reduce the operating pressure of the pump 3.1 Adjust the inlet pressure and temperature of the pump 4.1 Check that the water inlet pipe is of the correct size 5.1 Clean the water quality of the water source and the filter 6.1 The pump must not run dry
Severe pipe vibration 1. Water inlet pipe 2. One-way valve 3. By-pass line 4. Pressure regulator 5. Filter	1.1 Air sucked 2.1 One-way valve leaks 3.1 Small diameter of the by-pass line 4.1 Moving pressure regulator 5.1 Small filter volume or clogged filter	1.1 Tighten the connector to check for damage to the pipe 2.1 Replace damaged one-way valve seals and parts 3.1 Adjust the diameter of the bypass line 5.1 Check or replace the pressure regulator 6.1 Clean or replace the appropriate filter
Low flow rate 1. Inlet water line 2. Pump input speed 3. Sprinkler head 4. Pressure regulator 5. Seals 6. Water inlet temperature	1.1 Insufficient water inlet 2.1 Low pump speed 3.1 Small sprinkler head 4.1 Damaged pressure regulator 5.1 Leaking due to damaged seals 6.1 High inlet water temperature	1.1 Check the size and flow rate of the water inlet pipe 2.1 Adjust the pump speed to the rated value 3.1 Replace with a suitable sprinkler head 4.1 Replace the pressure regulator 5.1 Replace damaged seals 6.1 Check the inlet water temperature
Irregular flow pulsation 1. Water inlet system 2. Water inlet filter 3. Booster pump (if any) 4. Water inlet pressure and outlet pipe 5. Pressure regulator 6. Seals	1.1 Air sucked 1.2 Insufficient inlet water 1.3 Excessive use of elbows 2.1 Small filter volume or clogged filter 3.1 Insufficient output flow 4.1 Insufficient inlet pressure or closed outlet line when the pump is switched on 5.1 Moving or damaged pressure regulator 6.1 Damaged seals	1.1 Tighten the connector and check for any damage to the pipe 1.2 Check the diameter and flow rate of the water inlet pipe 1.3 Use as few 90° elbows as possible. 2.1 Replace or clean the filter 3.1 Repair or replace the booster pump 4.1 Increase the inlet water pressure and turn on the spray head when the pump starts 5.1 Replace the pressure regulator 6.1 Replace damaged seals

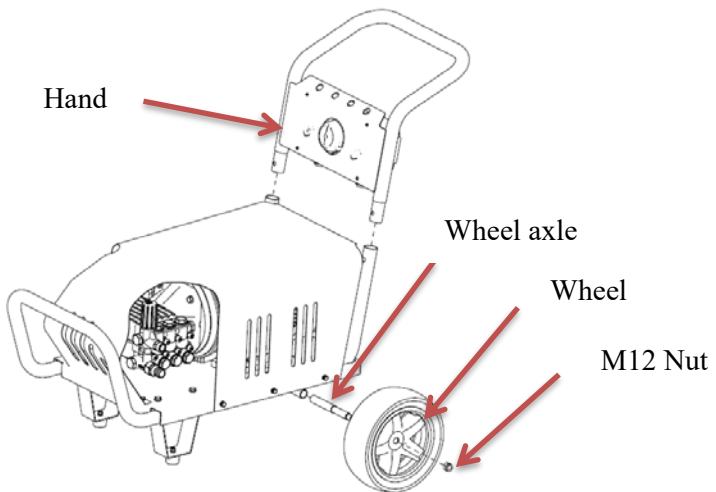
The motor fails to start 1. Power system 2. Contactor 3. Power voltage 4. Leakage protection switch 5. Motor buzzing 6. Spray gun and high-pressure hose 7. Motor burned out	1.1 Poor contact or incorrect connection of the power cord 2.1 The contactor fails to close 2.2 Burnt contacts of the contactor 3.1 Large and unstable fluctuations in the power voltage 4.1 Disconnected leakage protection switch 4.2 Burnt contacts in the leakage protection switch 4.3 Tripped due to overload leakage protection switch 5.1 Low power voltage 6.1 No pressure relief in the spray gun and high-pressure hose 7.1 Overload use for a long time 7.2 Incorrect power voltage	1.1 Check whether the power supply is energized and whether the wiring is reliable 2.1 Check whether there is voltage on both ends of the contactor coil. If the contactor is damaged, replace it with a contactor of the same model. If not, check the wiring again 2.2 Replace the contactor with the same model 3.1 Connect to a power supply with stable voltage 4.1 Turn the leakage protection switch on 4.2 Replace the leakage protection switch 4.3 Adjust the pressure to the rated pressure 5.1 Connect to a power supply with stable voltage 6.1 Pull the trigger to release the pressure 7.1 Replace the motor 7.2 Replace the motor
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VII. Product Assembly and Use

I. Wheel and handle installation

1. Align the wheels and handle with the interface and then tighten the nuts with a 19-wrench.

See the following figure:



II. Installation and connection of the water inlet pipe

2-1 Pump water inlet

2-2 Filter

2-3 Clamp



- 1、Fit the clamp onto the inlet pipe and then insert it into the pump's beveled opening. Tighten

the clamp with a screwdriver to hold the inlet pipe in place.

- 2、 Fit the clamp onto the inlet pipe and then insert it into the beveled opening of the filter.
Tighten the clamp with a screwdriver to hold the inlet pipe in place.

III. Installation and connection of high-pressure pipe and spray gun

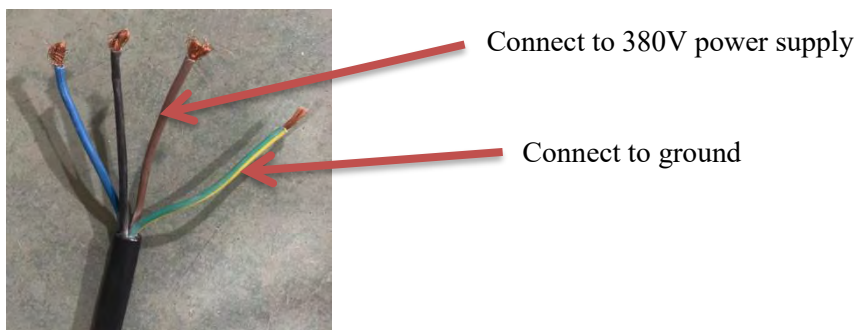
3-1 Pipe outlet

3-2 Spray gun



- 1、 Connect the high-pressure pipe to the water outlet of the machine and tighten it by hand.
- 2、 Connect the high-pressure pipe to the water outlet of the machine and tighten it by hand.
- 3、 Connect the nozzle to the water outlet of the spray gun.

IV. Power connection



- 1、 Connect the power cord to a 380V 50HZ power supply. The two-color wire must be grounded.

V.Get started

- 1.Put the connected filter into the water source
- 2.Turn the power switch to the Start position.
- 3.Hold the handle for 3-5 minutes to discharge the air from the high-pressure pipe and the product until water comes out continuously.
- 4.Close the spray gun and insert the corresponding butterfly nozzle for cleaning.

Precautions for use:

- 1、 When the machine is running, the butt and the handle of the gun will recoil. Please hold the high-pressure gun firmly with both hands.

Note: The nozzle must not be pointed at anyone.

- 2、 Make sure the machine is placed on a flat surface and not in the grass, to avoid tilting during operation.
- 3、 Aim the nozzle at the surface to be cleaned, adjust the distance between the nozzle and the cleaning object, and select the appropriate cleaning pressure.
- 4、 Do not cover the machine during operation, as this will prevent heat from dissipating and may cause a fire if left for too long. Also, do not use the machine in an airless room.

VI.After use

1. Turn the power switch to the Stop position.
2. Disconnect the power cord plug from the outlet.
3. Hold the butt for 5 seconds to completely drain the water from the hose and the butt.
4. Pull the high-pressure pipe out of the water outlet.
5. Put all the accessories back in their original places.

VII.Storage and Transportation

1. Keep the storage environment dry and prevent sharp variation of the surrounding environment.
2. Prevent toppling and upside down of the machine in the process of storage and transportation

EC Declaration of Conformity

We hereby declare that the design, construction and the model for the device with the standard and the requirements of safety and health of the EU's consistent policy.

The statement will prove ineffective if the device is being modified without our approval.

Type of instrument: High Pressure Cleaner HDEm 220 and HDEm 270
Anwenbare EU guidelines:

- EU Machinery Directive 2006/42/EC
- EU Directive Electromagnetic Compatibility 2004/108/EC

Applied harmonized standards:

- EN60335-2-79:2012
- EN 60335-1:2012/A15:2019
- EN 55014-1:2006
- EN 55014-2/A1:2001
- EN 61000-3-2:2006
- EN 61000-3-3/A2:2005
- EN 62233:2008



D EU Konformitäts Erklärung
EN EU declaration of Conformity
FR Déclaration EU de Conformité
IT Dichiarazione EU di Conformità
NL EU verklaring van overeenstemming
SE EU försäkran om överensstämmelse

SI EU izjava o skladnosti
HR EU izjava o sukladnosti
SRB EU izjava o usaglašenosti
MK EU изјава за сообразност
RO EU Declarație de Conformitate
BG EU декларация за съответствие

HU EU megfelelési nyilatkozat
CZ EU prohlášení o shodě
SK EU Vyhlásenie o zhode
PL Deklaracja zgodności EU
TR EU Uygunluk Beyanı
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High Pressure Cleaner - Чистач со висок притисок - Чистач високог притиска - Уред за почистване под високо налягане - Hochdruckreiniger - Yüksek Basıncılı Temizleyici - Pastrues me presiön të lartë - Aparat de curatat de inalta presiune - Καθαριστικό υψηλής πίεσης - Visokotlačni čistač - Visokotlačni čistač - Visokotlačni čistilec - Nettoyeur haute pression

Typ - Type - Type - Modelo - Type - Typ - Tip - Tip - Tip - Тип - Type - Тип - Típus - Typ - Typ - Typ - Tip - Tipo:

High Pressure Cleaner HDEm 220 and High Pressure Cleaner HDEm 270

2006/42/EC - 2014/30/EU - 2000/14/EC - 2014/68/EU - 2011/65/EU

EN 12100.10, EN 60335-1, EN 60335-2-79, EN 55014-1, EN 61000 (part 3-4-6), EN 3744

CE-Kennzeichnung wurde angebracht - CE marking was affixed - Le marquage CE a été apposé - Marcatura CE è stata apposta - de CE-markering is aangebracht - CE-märkning anbringats - CE oznaka je pritrjena - CE oznaka je stavljena - CE oznaka je postavljena - CE oznaka е ставена - Marcajul CE a fost aplicat - CE маркировка е поставена - CE-jelölést elhelyezték - CE-označení bylo připevněno - CE-označenie bolo pripevnené - Przyznano oznakowanie CE - Marcado CE se colocará:

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Geschäftsführer - Deputy director - Conseiller délégué - Consigliere delegato - Gemachtigd lid van de Raad van Bestuur - Juridiskt ombud - Zastopnik - Zastupnik - Zastupnik - Застапник - Consilier delegat - Упълномощен съветник - A vállalat tanácsosa - Pověřený poradce - Poverený Poradca - Pełnomocnik -

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Skopje, 11.09.2024

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