Boldan mediumSteamer 3,2 kW
Manual

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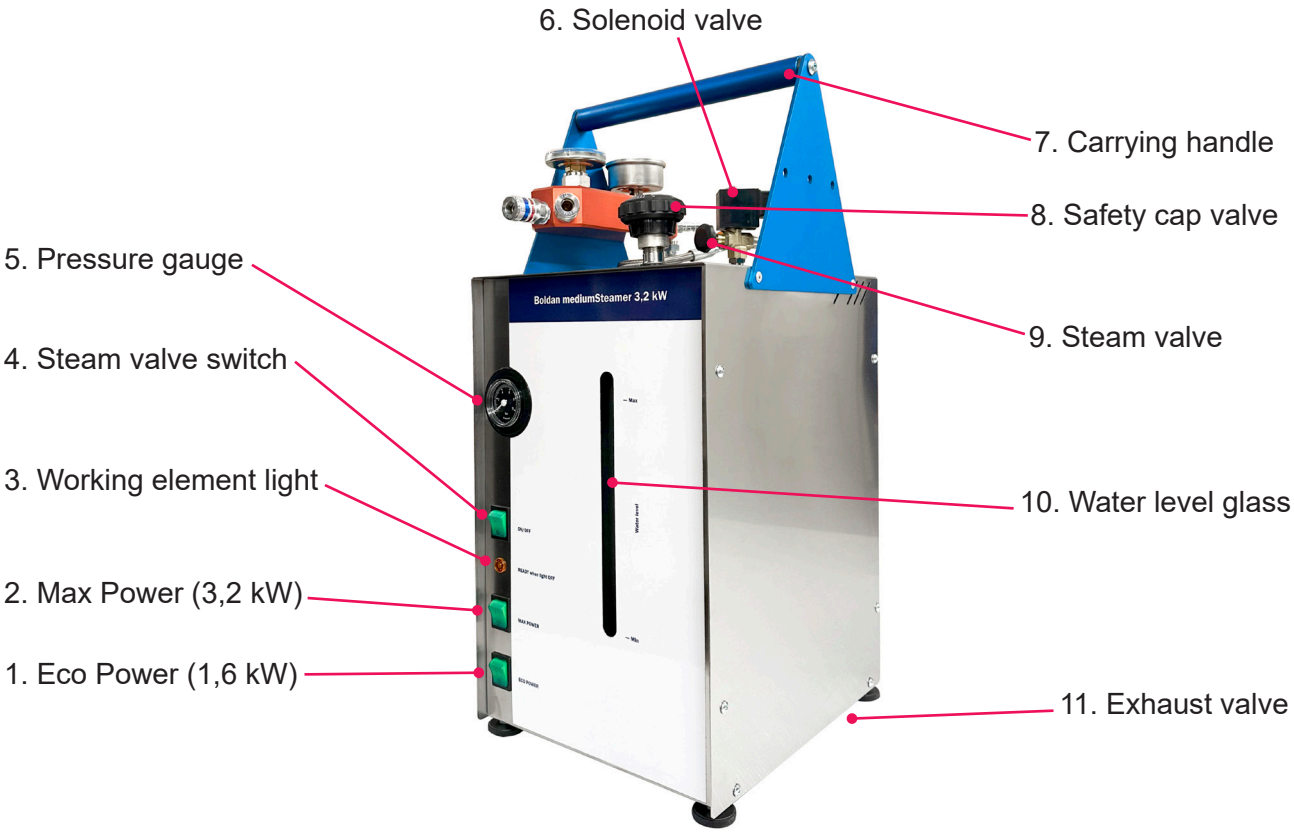
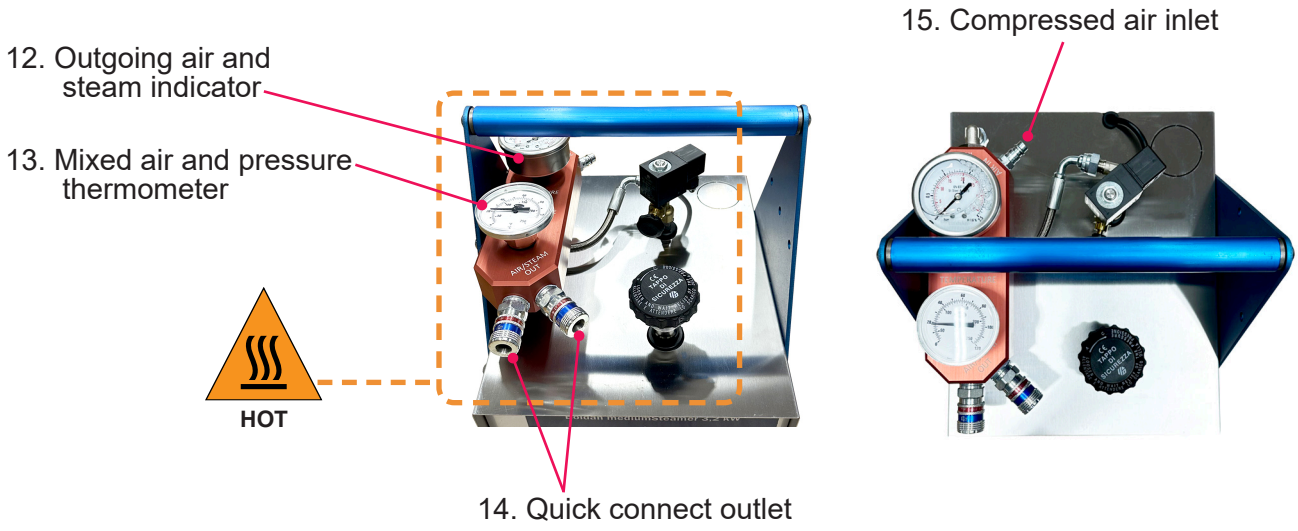

6. Solenoid valve
7. Carrying handle
8. Safety cap valve
9. Steam valve
5. Pressure gauge
4. Steam valve switch
3. Working element light
2. Max Power (3,2 kW)
1. Eco Power (1,6 kW)
10. Water level glass
11. Exhaust valve
Boldan mediumSteamer 3,2 kW


12. Outgoing air and steam indicator
13. Mixed air and pressure thermometer
HOT
14. Quick connect outlet
15. Compressed air inlet

READ CAREFULLY THIS MANUAL BEFORE USING THE APPLIANCE

The maintenance and instruction manual is an integral part of the appliance and has to be kept on good condition in a protected place which allows easy reference in case of need. Boldan Oy reserves the right to introduce, without previous notice, all those changes required for the updating and the correction of this publication.

1 GENERAL INFORMATION

We congratulate you for choosing a Boldan Oy product, and we would like to remind you that it has been designed and manufactured paying the outmost attention to the operator's safety, the efficiency of the work and the environmental protection.

Knowledge of the product being a fundamental element to guarantee the above indicated, we recommend to read this manual carefully and to follow its advice. A particular attention should be given while reading *Safety warnings* and *Chapter 11: Warnings.*

Boldan Oy is not to be held responsible for damages coming from:

- Failure to comply with this manual recommendations
- Use of the appliance other than what is indicated in *Chapter 2.3: Intended purpose*
- Use of the appliance against current accident prevention regulations
- Failure to carry out required maintenance
- Modifications or interventions not authorised by Boldan Oy
- Utilisation of spare parts which are not original or not suitable to the appliance model
- Repairs carried out by an unskilled operator

1.1 WARRANTY CONDITIONS

The validity of the warranty is 12 months, starting from the date indicated on the fiscal sale document (fiscal cash slip, invoice, etc.).

The buyer has the right to ask for the replacing of defective parts, while the right of asking for the compensation for any direct or indirect damages is not included. Manpower, packing and transport expenses are to be paid by the buyer.

The components which have been replaced under warranty are to be given back to Boldan Oy.

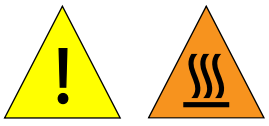
This warranty does not provide for the replacement of the appliance and ends automatically if the buyer does not comply with date of payment agreed upon.

Not included in the warranty are:

- Any direct or indirect damages caused by falling, incorrect use of the appliance and failure to comply with safety regulations and with the instructions relevant to installation, use and maintenance contained in this manual
- Damages caused by the fact that the appliance does not work because it has to be repaired
- All those parts which prove to be defective because of negligence and careless during use
- Damages caused by use of spare parts not original or not expressly approved by Boldan Oy and damages caused by repairs carried out by an unskilled operator
- Damages caused by a wrong electric feeding
- Every tempering with the appliance, in particular to safety devices, will invalidate warranty and will relieve the manufacturer of any responsibility
- Boldan Oy reserves the right to introduce changes at any time, in order to improve the product, and it is not obliged to introduce the same changes to the appliance previously manufactured, delivered or ready to be delivered

1.2 SYMBOLS AND DEFINITIONS CONTAINED IN THIS MANUAL

1.2.1 SYMBOLS



These symbols characterise some parts of the text indicate a great possibility of damage of persons if relevant instructions and indications are not followed.

1.2.2 DEFINITIONS

Boldan Oy: generally speaking service shop person from Boldan Oy or a person from a Boldan Oy retailer, who has been expressly trained and authorised to carry out special maintenance operations and repairs on the appliance.

Operations on electric parts must be performed according with current regulations and laws, by a Qualified Electrician by Boldan Oy (a person professionally trained and competent to inspect, install and repair electric appliances).

1.3 IDENTIFICATION PLATE

The identification plate, with the main technical specifications, is located on the back side of the appliance and may be easily seen (see also the following paragraph Identification of Components.

2 GENERAL DESCRIPTION

MediumSteamer is a steam generator to be manually refilled with water and they have been designed to be used for steaming of sideliners, patches and liners (less than 15 meters long).

2.1 TECHNICAL INFORMATION AND SPECIFICATIONS

Technical information and specifications are indicative. Boldan Oy reserves the right to introduce all those changes deemed to be advisable.

MediumSteamer		
Voltage	V	120 - 230 ~
Frequency	Hz	50
Boiler power	kW	1,6 + 1,6
Boiler capacity	Lt.	8
Water capacity	Lt.	7
Working pressure	Bar	2,8
Weight	kg	12

2.2 SAFETY DEVICES

The appliance is equipped with the following safety devices:

1. Safety cap valve: it is made of a safety pressure valve, positioned on top of the boiler, which has to be suitably calibrated and which releases the exceeding over pressure if any trouble with the pressure control system occurs.
2. Heating element safety temperature control device: it is a device, sensitive to temperature, which stops the heating element working in case of low water level.
3. Safety temperature control device (manual pace): it is a device , sensitive to temperature, which stops the appliance in case of a breakdown in the pressure control system and in the safety valve occurs, thus avoiding dangerous conditions.

WARNING

If any intervention in the safety devices occurs (see points 1 and 2 above), do not continue using the appliance without asking Boldan Oy to inspect the appliance.

2.3 INTENDED PURPOSE

MediumSteamer has been designed to work using ordinary or purified water. **We advise not to use: distilled water, water containing oils, perfumes, detergents, etc.**

The appliance is not suitable to be used in places showing special conditions as, for instance, an explosive or corrosive atmosphere. Any other use is to be considered improper. The manufacturer shall not be held liable for damages of wrongful or improper use of the appliance.

3 SAFETY WARNINGS

1. The use of this appliance requires attention and care. Do not give it to others without making sure, under your direct responsibility, that this new user has carefully read this manual and therefore knows the appliance.
2. Pay special attention to the content explained in *Chapter 5: Inspections and connection to the electric line*.
3. Before starting to use the appliance, place it on a dry and sturdy place to prevent falling.

4. Do not use the appliance when:
   - The appliance's electric cables or other important components, such as the steam feeding tube, are damaged
   - The appliance has fallen down
   - The appliance is leaking

   If so, ask Boldan Oy to inspect the appliance.
5. Keep electric cables and plugs perfectly dry. Do not touch them with wet hands. If electric cables are damaged, ask Boldan Oy to replace them.
6. Do not put any reducer or adapter between the electric plug and the socket. Do not remove the plug from the socket by pulling the feeding cable.
7. Before putting the appliance into operation make sure that the Safety cap valve (9) and the Exhaust valve (11) are locked. Never unscrew the Safety cap valve (9) or move the Exhaust valve lever (11) when the generator is still hot.
8. During use, the appliance should be kept under control.
9. Never put the appliance in the water.
10. While refilling water in the boiler wait that generator is completely cooled, loosen the Safety cap valve (9) a little bit and wait that pressure inside the boiler has gone down to 0 bar check Pressure gauge (5), then refill water level. Remember that if the boiler is still warm it is better to use warm water in order to avoid thermic shock that can damage the boiler. Make sure that water does not overflow.
11. After use turn switches (1) and (2) to position OFF (switches not lit) and remove the plug from socket.
12. Wait for the appliance to be completely cold before doing any cleaning or maintenance, or before adding water into the steam generator.
13. Always call Boldan Oy for repairs. This way you will be sure that only original spare parts are used. Incomplete repairs involve a serious danger for users.

4 UNPACKING

While performing these operations wear safety gloves and glasses, in order to avoid damages to your hands or eyes. All the material used for packing is recyclable. Packaging (plastic bags, nails, staples, etc.) must be stored out of the reach of children as they are potentially dangerous. For the disposal of packaging items follow the local environmental protection regulations in the country where the appliance has been installed. In particular, do not leave plastic packaging in the environment since they can damage it. After having unpacked the appliance, check that it is not damaged.

If in doubt, do not use it and contact your retailer, who will ask Boldan Oy to inspect it.

5 INSPECTIONS AND CONNECTION TO THE ELECTRIC LINE

1. Ask Boldan Oy to check that the feeding of your electric system is in accordance with the data shown on the identification plate of the appliance. In particular, voltage should not differ from what indicated in the plate by +/- 10%.
2. The plug and socket which the appliance is connected should be arranged by Boldan Oy in accordance with law in the country where the appliance is installed. In particular, the socket should be equipped with a ground conductor, with a suitable fuse and should be protected with a magnetic-thermal sensitivity differential switch not exceeding 30 mA.
3. If the feeding cable is too short, ask Boldan Oy to replace it.

6 FUNCTIONING

1. Make sure that the lever of the Exhaust valve (11) is closed and the switches (1) and (2) are in OFF position (symbol “0”).
2. The supply air must always be connected to the steam generator via a pressure regulator.
3. Adjust the desired pressure and temperature. If the pressure becomes too high...
4. Unscrew the Safety cap (9) and add by the funnel (given standard) common or purified water. During this operation make sure that water does not exceed maximum level (position marked by the writing MAX in the Water level glass (10). Screw the safety cap valve by gently tightening it.

5. Make sure that insert the feeling plug in the socket of the electric system and put the switches (1), (2) in ON position (symbol “I”). The Working element light (3) will ignite. After 30 minutes approx. the Working element light switches off and the steam generator is ready to be used. During functioning of the steam generator the light (3) will alternatively switch ON or OFF.
6. Once the minimum water level has been reached (position marked by the writing MIN in the Water level glass (10) follow the indications of Chapter 7: Stopping and storing, and repeat operations from point 1 to 9 before restarting to steam.
7. Turn on the Steam switch and adjust the steam level with the Steam switch and Compressed air switch.
8. When installation heating is done, turn off MediumSteamer and adjust the Steam switch to position OFF.

7 STOPPING AND STORING

At the end of use follow these steps keeping also in mind to perform stopping and storing operations recommended by the maintenance and instruction manual of the steamer.

1. Put switches (1), (2) and (4) in OFF position (marked by the symbol “O”) and disconnect the feeding plug from the electric system plug.
2. Wait for the steam generator be completely cold. During this phase pay attention that:
    - Do not to leave the appliance unattended if there are unguarded children, put the appliance in a safe position, where there is no falling risk
    - Do not to put the appliance near inflammable materials.

Store the appliance in a dry/clean place paying attention as not to damage electric cables and the steam inlet tube.

8 CLEANING AND MAINTENANCE

WARNING

Any intervention concerning: cleaning, routine maintenance, special maintenance, repairing should be carried out only after having performed the operations indicated in *Chapter 7: Stopping and storing.*

Always keep in mind to carry out cleaning and maintenance operations recommended by the maintenance and instruction manual of your steamer.

8.1 CLEANING

If you wish to clean your steam generator on the outside, use a damp cloth and, afterwards, run a dry cloth over. Do not use inflammable or aggressive substances to clean the appliance.

8.2 ROUTINE MAINTENANCE

The following routine maintenance can be performed by the user. Carefully follow these instructions:

Intervention	Maintenance intervals
Inspection of feeding cables, steam inlet tubes, connectors	Every time you use the appliance
Emptying the boiler from residual water	Every week, by carefully following the recommendations container in the paragraph 8.2.1 Emptying the boiler from residual water

8.2.1 EMPTYING THE BOILER FROM RESIDUAL WATER

WARNING

We suggest to empty the boiler of the steam generator every week by following these steps: Perform the operations indicated in *Chapter 7: Stopping and storing.*

Put the exhaust valve lever (11) in vertical position and empty the boiler from all residual water. When boiler is empty put the exhaust valve lever back into horizontal position. Any other maintenance intervention should be carried by Boldan Oy, as indicated in the following paragraph.

8.3 SPECIAL MAINTENANCE AND REPAIRING

WARNING

Respect the time of maintenance. Special maintenance and repairing should be carried out by Boldan Oy.

Intervention	Maintenance interval
Inspection of safety devices	Once a year
Water level glass replacing	**Every 2 years (the glass is subject to wear, respect the time of maintenance)**
Safety valve replacing	Every 3 years

9 SCRAPPING AND DISPOSAL

Scrapping the appliance is an operation which should be performed only by skilled workers especially trained for this activity and in compliance with the legislation in force in the country where the appliance has been installed.

Before scrapping the appliance make sure it cannot be used anymore, for instance by cutting the feeding cable and make those parts, which could be a danger for children using the appliance to play, harmless.

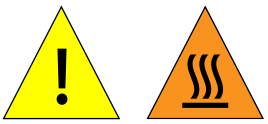
10 TROUBLESHOOTING

WARNING

Before performing any interventions carry out the operations indicate in *Chapter 7: Stopping and storing.*

Trouble	Possible causes	Remedial measure
The switches (1) and (2) is brought in ON position but the appliance does not switch on	The plug of the feeling cable is not plugged in correctly	Unplug the plug from the socket and plug it again in the right way.
	The fuse of the socket connected to the appliance has burnt out	Replace it with a suitable fuse. If the problem shows again, call Boldan Oy
	The magnetothermal differential switch is protecting the socket to which the appliance is connected	Refit the switch. If the problem arises again, call Boldan Oy
When the switches (1) and (2) is in ON position, the generator does not warm up and from the pressure gauge (5) you can read that there is no pressure	Breakdown in the pressure switch	Call Boldan Oy
	Breakdown in the safety device against overheating	Call Boldan Oy
	Breakdown in the boiler heating element	Call Boldan Oy
Steam leaks out from the safety cap valve (9)	Breakdown in the safety cap valve	Call Boldan Oy
	Breakdown in the pressure switch	Call Boldan Oy

11 WARNINGS



WARNING **HOT**

The operation of steamer is allowed on firm and dry surfaces only!
When the steamer is turned on some parts of it will heat up. Touching these parts may cause burns!
Do not allow water to leak inside the steamer case!
Do not fully open water tank cap, when steamer is turned on or hot after use.

CONFORMITY DECLARATION

DICHIARAZIONE DI CONFORMITA' ai sensi delle Direttive: 73/23/CEE, 89/336/CEE, 93/68/CEE, 97/23/CEE

CONFORMITY DECLARATION according to the Directives: 73/23/EC, 89/336/EC, 93/68/EC, 97/23/EC

DÉCLARATION DE CONFORMITÉ aux termes des Directives: 73/23/CEE, 89/336/CEE, 93/68/CEE, 97/23/CEE

KONFORMITÄTSERKLÄRUNG entsprechend der Richtlinien: 73/23/CEE, 89/336/CEE, 93/68/CEE, 97/23/CEE

EU-VAATIMUSTENMUKAISUUSVAKUUTUS: 73/23/CEE, 89/336/CEE, 93/68/CEE, 97/23/CEE

Reggio Emilia, 01. 05. 2018

Declares under its own responsibility that the steam generators: **MiniSteamer / MediumSteamer** with serial N°starting from: 18E410

to which this declaration refers to, complies to the qualifications of the Directives:
73/23/CEE, 89/336/CEE, 93/68/CEE, 97/23/CEE

For inspection of the conformity of Directives above mentioned, the following Harmonized Rules have been consulted:

EN 60335-1 (1994) EN 292-1 (1991) EN 55014 (1994) TRD 801 (1996) EN 61000-3-2 (1995) EN 60335-2-15 (1996)
EN292-2 (1995) EN55104 (1996) EN1050 (1996) EN 61000-3-3 (1995)