

IP Clean H Steam Cleaner



DIVISION

Bedienungsanleitung Instruction Manual

Art.-Nr.: 6357

■ Made
■ in
■ Germany



**IP Clean H
Dampfstrahlgerät
Steam Cleaner**

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The device corresponds to EC standards.

Technical Data

volume reserve tank	5 liters
boiler volume	4,8 liters
dimensions	24 x 38 x 35 cm
weight	approx. 13 kg
power rating	1500 W
pressure	approx. 5 bar
voltage	230 V – 60 Hz; handpiece: 24 V

1. Device Setup

FRONTALANSICHT:



Front View:

1. white filler hose
2. water pump switch
3. manometer
4. heating switch
5. green working-pressure light "ready"
6. red warning light "water empty"
7. reserve canister
8. water flow control knob
9. screw bolt for handpiece
10. steam flow control knob
11. white switch for wet steam
12. red switch for dry steam
13. hand piece
14. hand piece hose

2. General Information

Initial Notes

- The steamer has been designed and manufactured exclusively for use in dental technology. Purposes other than these must be agreed upon with the manufacturer. The manufacturer consequently disclaims any and all responsibility for any damage of whatever kind caused by improper use of the machine.
- Manipulations and alterations to the most minor degree and the use of non-original spare parts free the manufacturer from any and all kind of responsibility and void all warranty claims.
- The machine must only be operated by suitably trained adults.
- Carefully read the instructions included in this manual before putting the machine into operation.
- In case the machine is operated by several persons each operator is to carefully follow the instructions as listed below!
- The manufacturer disclaims any and all responsibility for damage to people, objects or the machine that are the consequence of improper use or a negligent and shallow interpretation of the safety concept explained hereinafter.
- The manual is to be regarded as an integral part of the machine during its whole service life and must be kept for at least ten years. Thus, it is to be stored in a known location which is accessible at any time for the personnel.

Safety Precautions

- Pressure switch / temperature control
- Acoustic signal indicating minimum water level
- Voltage of 24 V at the hand piece (steam pistol)

Packaging

- The machine is forwarded in a cardboard box and is appropriately protected by styropor material as well as PU-foam bags.
- On receiving the goods please immediately make sure that the cardboard box is undamaged and in perfect condition.
- After unpacking the machine dispose of the packing material in compliance with statutory environmental regulations.

- Keep the box and its packing material in case the machine needs to be returned for service or repairs.

Scope of Delivery

- IP Clean Steam Cleaner – ready for operation
- Instruction Manual
- Funnel
- Screw bolt as support for the hand piece (to be screwed into the thread provided for this purpose at the top right side of the machine)

Please note:

IMPORTANT! In case the machine is to be shipped again e.g. for the purpose of repairs or other purposes, please unscrew the bolt again in order to prevent transport damage.

Guarantee:

Valid 12 months after date of purchase.

Safety Regulations:

Power supply

- Before plugging in the machine make sure that the electrical specifications written on the information plate correspond to your electricity supply specifications.
- Connect the power cable to a power supply that conforms to European standards or to the standards of the country where the appliance will be used.

CAUTION:

The earth connection of the device is required by law and should be installed by a qualified technician with particular care.

- Never use the machine if the wirings or sockets are damaged.
- Operate the machine only within locations that are not exposed to environmental influences such as rain, snow etc.

3. Putting into Operation

Operating Instructions:

- Connect machine to the power supply.
- Fill the reserve canister (see “Filling”)
- **WARNING!** Do not fill in any substances other than water and do not fill in pure distilled water.
- We recommend to mix distilled water with tap water at a ratio of 1:1. If particularly hard water is used we recommend to add IP Clean WKM water softener concentrate or to use the IP Clean filter for water softening.
- Switch on main switch/water pump switch (2).
- Now water is pumped from the reserve canister into the boiler until the maximum water level is reached. Now switch on heating switch (4).
- After about 10-15 min. the manometer (3) shows 5 bar and the green working-pressure light (5) lights up. The machine is ready for operation.
- Take the steam pistol. By pressing the red micro switch (12) you can now steam-clean the desired objects. While steaming, please hold the pistol over a wash basin.
- The steam flow can be controlled by means of the steam flow control knob (10).
- Switch off the machine at the end of work.

The machine has a boiler volume of 4,8 l. The 2-way tank system allows refilling during operation along with permanent water level control.

Water Level Control

With dropping pressure the heating is activated automatically. The water level in the boiler is monitored. As the water level falls, water is pumped from the white canister into the boiler as required.

Once the water level in the reserve canister has dropped below a certain minimum an acoustic signal will be generated, the so-called buzzer. Now the reserve canister (7) needs to be refilled.

Decalcifying

- Depending on the hardness of water (lime content in per cent) the machine needs to be decalcified periodically, at best every 3-6 months.
- Use decalcifying agents e.g. IP Clean EKM.
- Let the decalcifying agent work over night.

- Empty the boiler through the drain screw in the bottom of the machine and rinse afterwards.
- Refill with water via the reserve canister.

Caution! Danger of Injury!

The operating machine can be under high pressure. Never open the drain screw. Never direct the steam flow against persons or animals – risk of burns!

Filling

- Fill the reserve canister (7) with tap water
- Insert hoses, switch on machine
- In case water is lacking in the canister a buzzer alarm sounds. Refill canister without switching off the machine. The required amount of water is pumped into the boiler automatically.

4. Accessories

Accessories:

IP Clean EKM Decalcifyer, 1 liter (Art. No. 01034,2)

- For the decalcification of all types of steam cleaners as well as other technical devices. Once the decalcification process has been finished, rinse several times with clear water. Apply at least every six months.
- Liquid – highly concentrated – on citric acid basis.
- Application depends on the thickness of the lime layer. **Add approx. 200 ml of EKM to 1 liter of tap water.**
- Leave it until the lime sediments have been dissolved. The process can be accelerated by heat. Carefully rinse the boiler.
- Product contains citric acid. According to work protection regulations to be handled with protection gloves and goggles.

IP Clean WKM Water Softener, 1 liter (Art. No. 01034)

- Concentrate for all sorts of steam cleaners or ultrasonic devices to prevent limescale. Used as an additive depending on the hardness of water. Distilled water will not be required any more. WKM is used along with tap water. Non-toxic!
- Contents: 1000 ml for approx. 500 fillings
- **Dosage:** approx. 2-4 ml of WKM for 1 liter of tap water.

IP Clean Filter (Art. No. 11052)

- Ideal water softener for all types of steam cleaners. The filter is mounted directly to the water supply and prevents lime deposits inside the machine from the beginning.
- If desired the IP Clean Filter can be equipped with a liter counter (optional).

IP Clean Evaporating Basin (Art. No. 6373)

- Transportable, no wash basin required.
- Collects wax and dirt residues.
- Dimensions: 320 x 320 x 320 mm (b x w x h)

IP Clean Wall Mount (Art. No. 6367)

- Stable and stylish wall shelf for steam cleaners of every size.
- The elegantly curved shelf made of powder-coated steel can be mounted to the wall above the working table with four screws at any height, thus creating additional clear space on the working surface.
- Four holes at the back and one larger hole on one side are provided to receive the screws and the electricity cable.
- A safety bar reliably prevents the machine from falling off the shelf.
- Dimensions: 300 x 340 x 240 mm (b x w x h)

5. Troubleshooting

Disturbance	Possible Cause	Remedy
pressure drops quickly	lack of water (even if the buzzer has not been activated yet)	refill reserve canister
machine does not heat up	heating element is defect	call customer service
water comes out of the drain screw	drain hole is clogged	pull plug, remove lime sediments or other impurities from the drain hole.

For any other disturbances please call the customer service.



EC-Declaration of Conformity

IP Clean Hydro

The Company

IP Division GmbH • Dachauer Str. 95 a • D-85778 Haimhausen
declares that the machine:

Steam Generator IP Clean Hydro with Steam gun

Jear of construction: 2017, Art.-No: 6357

meets all the provisions of the following EG-
directives and standards:

Machinery Directive:	98/37 EEC
Electromagnetic compatibility (EMC):	89/336/ EEC
Low Voltage Directive:	73/23 EEC
Spurious radiation:	EN 61000-6-3: 2007
Electromagnetic immunity:	EN 61000-6-1: 2007
Machine Safety:	DIN EN 60335-1:2009
Other relevant guidelines:	87/404/EWG
Disposal of waste electronic equipment:	2002/96/ EU

Electromagnetic Compatibility:

89/336 CEE and further amendments.

Haimhausen, 1. April 2017 • IP Division GmbH

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