



DIVISION

**Made
in
Germany**



IP Clean EVO Steam Cleaner Manual

IP Division GmbH
Dachauer Straße 95a
D-85778 Haimhausen

Tel.: +49 (0) 81 33 - 9 17 94 80
Fax: +49 (0) 81 33 - 9 17 94 81
info@ipdent.de • www.ipdent.de

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.

Packaging

- The machine is forwarded in a cardboard box and is appropriately protected by polystyrene 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

Steam Cleaner, ready for operation
Accessories: holding rod, funnel, manual

Technical Data

boiler volume	5 Liter
dimensions (LxWxH)	252 x 300 x 327 mm
voltage	220/110 V hand piece 24 V
power output	1500 W
pressure	approx. 4 - 5 bar
weight	ca. 10 kg

The machine corresponds to EC directives.



Structure

- | | |
|--------------------------|-------------------------------------|
| 1) Main switch on/off | 5) Green lamp "ready for operation" |
| 2) Manometer | 6) Red lamp "lack of water" |
| 3) Water level indicator | 7) Steam control knob |
| 4) Safety cap | |

Refill Water

- Make sure that there is no pressure in the boiler and that the manometer is at "0".
- Carefully unscrew the security cap (4) only a bit and let possibly remaining steam escape.
- Unscrew security cap (4) completely.
- Place supplied funnel into the filler opening.
- Fill water up to shortly before maximum.
- Screw security cap back down.
- The maximum water level must not be exceeded.

Refill Water when Machine is Hot

- Switch off, cut power supply and wait for several minutes
- Loosen the cap (32) a quarter turn
- Let the remaining pressure escape
- Remove the cap with caution
- Fill with hot water or wait for 10-15 minutes and fill with cold water

Caution:

Do not fill in substances any other than water and do not fill in pure demineralized water – causes corrosion damages. Distilled water must only be used together with tap water at a ratio of 1:1. For very hard/calcareous water we recommend to add IP EKM water softener.

Safety Features:

- Safety cap
- Pressure switch
- Thermostat on the heating element
- Buzzer indicating lack of water
- 24V hand piece

Lack of water is indicated by an acoustic warning signal.
The water level must never sink below minimum.

Important: whenever the machine is taken into operation anew, carefully unscrew the safety cap and allow remaining pressure to escape.

Decalcification:

According to the hardness of water (lime content in percentage) the machine needs to be decalcified at least every 6 months, e.g. with IP Clean EKM.

- Allow the decalcification agent to work over night.
- Empty machine through the drain screw in the bottom plate.
- Rinse boiler at least two times, until clear water flows out.
- Seal the drain screw with teflon tape and screw back hand-tightly.
- Refill water again.

Operating Instructions

- fill boiler before plugging the appliance into the electricity socket
- plug in machine (220V)
- press main switch (1)
- after a heat-up period of about 10 min. the green lamp (5) lights up indicating that a working pressure of approx.. 4 bar has been reached
- press micro switch of the handpiece
- check water level during operation
- switch machine off after the end of a work day

Safety Instructions

- Before plugging in make sure that the electrical specifications written on the information plate correspond to your electricity supply specifications.
- **The earth connection potential is required by law and should be installed by technically qualified technicians.**
- Direct the pistol and thus the steam flow only and exclusively into the direction of the object to be steamed. Never point in any other direction.
- The magnetic valve, the security cap and the nozzle can heat up to 80°C during operation – do not touch!
- 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.

- Do not use the machine after malfunction.
- In the event that the machine needs any repairs, it should be taken to an authorised technical service centre where the proper original spare parts are to be used.

Please note: it is recommended to have the steam cleaner serviced every 1 1/2 to 2 years.

Spare Parts

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
3	Boiler switch	35	Filler seal
4	Front plate	37	Pressure gauge
5	Rubber Foot	38	Boiler grill
9	Level indicator bulb	41	Pressure switch fitting
10	Socket for level indicator bulb	42	Heating element 1500 W
11	Socket for pistol	43	Thermostat
16	Unit handle	45	Manometer
20	Water level glass	48	Drain screw
21	Seal for gauge glass	53	Buzzer
22	Housing	54	Transformer
23	Boiler	55	Fuse
30	Solenoid valve		
32	Boiler cap		

How to order spare parts

Please inform us of the following details:

- name of the machine
- year of manufacture
- serial number
- code no. of spare part
- exact description and WhatsApp picture of the spare part

Optional Accessories:



IP Clean Water Softener WKM

1.000ml concentrate, sufficient for approximately 500 boiler fillings

Add 3-5 ml per 1 liter tap water

non-toxic - suitable for all kinds of steam cleaners - for a long service life of the steam cleaner - to avoid lime deposits (limescale is the cause for most defects in a steam cleaner)



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

For decalcification of all types of steam cleaners as well as other technical devices.

Product contains citric acid. According to work protection regulations to be handled with protection gloves and goggles.



IP Clean Filter (Art. No. 11052) – **RECOMMENDED!**

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 – Steam Bowl)

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

Troubleshooting

Problem	Possible Cause	Remedy
the boiler lamp does not go out	maximum water level has been exceeded (red point)	only fill in to maximum level
		have the electrical circuit and the heating resistance checked by service personnel
water comes out of the nozzle instead of steam, pressure falls quickly	maximum water level has been exceeded	emit water through the nozzle until the water level is no longer above maximum. Wait some time until pressure has been built up and the green lamp lights up
steams escapes from the security cap	the sealings in the security cap are defective	replace sealings
	the pressure switch is defect	replace pressure switch
	the security cap itself is defect	replace security cap
the machine heats up very slowly	boiler is calcified	decalcify boiler
no steam can be emitted through the pistol	nozzle us clogged	dismount and clean or decalcify
no reaction when the micro switch is pressed	contacts are coated or clogged	clean contacts
		replace micro switch

For any other disturbances please call the customer service



Guarantee:

Valid 12 months after date of purchase of the machine.

CE Declaration of Conformity

The Company IP Division | Dachauer Str. 95a | 85778 Haimhausen
declares under our sole responsibility, that the device

Steam Cleaner IP Clean Evo

Year of Construction: 2023 – Article No. 6326

meets all the provisions of the following directives and standards:

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

Haimhausen, April 2023

IP Division GmbH
Pasquale Ienopoli
Managing Director / Directeur Général