Vapor Phase One & Two

Safety instructions

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Please read these safety instructions carefully before operating the Vapor Phase One or the Vapor Phase Two.

IMPORTANT:

To ensure smooth and safe use of the equipment, the following safety rules must be observed:

- **Never reach into the hot system or use force to open the system lid.**
- **The steam is invisible and causes the most severe burns!**
- **Never operate the system without or with too little process medium.**
- **Use the cotton gloves supplied to remove the solder. The soldering material and the workpiece holder have not yet cooled down completely to room temperature. Caution: Danger of burns!**
- **This user manual must be read before operating the equipment. All instructions in the operating manual must be observed.**
- **The soldering system may only be operated when it is in perfect technical condition!**
- **Do not insert the head into the cable pulls, which protrude from the top of the device!**
- The filling level of the cooling water reservoir must be checked before each soldering cycle. If necessary, it must be refilled.
- The filling level of the Galden reservoir must be checked before each soldering cycle. If necessary, it must be refilled.
- The system may only be operated and maintained by trained and instructed personnel.
- Untrained persons, mentally handicapped persons and children must not operate the equipment!
- The connection conditions must be observed!
- Immediately switch off the soldering system in the event of power supply malfunctions and/or damage to the electrical equipment and secure the switch on the rear of the Vapor Phase against uncontrolled restarting!
- The system must not be opened until it has cooled down completely.
- Have maintenance work performed only by trained and qualified personnel.
- For maintenance work on electrical or mechanical parts, the system must be de-energized.
- Under certain operating conditions or malfunctions in the water supply, a temperature of approx. 70°C may be reached at the cooling water drain pipe for a short time. In these cases, the case should only be touched with gloves.
- Safety devices of the plant must not be manipulated or made ineffective!
- The soldering system must not be modified or changed in any way without prior consultation with PCB Arts GmbH!
- The programmable control system must not be changed!

- If the solder falls into the galden, allow it to cool down to room temperature before removing the solder. There is a danger of scalding!
- Malfunctions and system defects must be remedied immediately and professionally.
- Use personal protective equipment (PPE) for all activities on the plant.
- In addition, it is the operator's responsibility to observe any internal company and/or country-specific safety regulations and to instruct the personnel responsible for the system accordingly.
- Observe all applicable national regulations and safety instructions on accident prevention and environmental protection.
- Operate the unit only with the housing completely closed.
- Electrical components are not protected against splash water. Appropriate protective measures must be taken by the operator.
- Do not operate the equipment with damaged seals or inspection windows.
- There is a danger of cutting broken glass parts of the lid. Wear suitable protective gloves. Handle broken pieces carefully.
- The actuator of the optional solenoid interlock protrudes and poses a risk of injury to head, body and hands. This must be pointed out to the operators.
- For steam generation only the equipment approved by PCB Arts GmbH.

- The process capability of the equipment, substances and materials used must be checked before use.
- Risk of slipping if the medium leaks or is accidentally spilled. Never touch hot medium. Allow the medium to cool down first. Close off the affected area and ensure that any spilled medium is taken up with suitable binding agent and removed or mopped up.
- There is a risk of burns if the medium is hot. Allow the medium to cool down completely before removing it from the system.
- Wear closed clothing and protective gloves during cleaning work and ensure sufficient ventilation.
- Observe the safety data and regulations of the cleaner and the operating media used.
- Use suitable containers to remove used medium. Ensure that used medium does not enter the sewage system, bodies of water or the ground.
- In addition, observe the disposal instructions of the solder pastes, printed circuit boards and component manufacturers.
- Eating, drinking and smoking while the equipment is in operation is not permitted.
- Wash hands thoroughly with soap and water after all work in and on the equipment.
- If the plant is to be scrapped, the process fluids must be drained and disposed of.
- Filter materials must be disposed of as hazardous waste.
- The equipment must then be sent to approved companies for scrapping. This service is also offered by the manufacturer for a fee.