

Safety

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1. Danger by missing observation of this safety instruction

Sihm Højtryk (the manufacture) uses the most modern technique for construction of high- pressure equipment, which is subject to hard quality, function- and safety tests.

In spite of this danger and accidents can arise due to incorrect use or by operation of unskilled staff – e.g.:

- Personal injuries
- Damages to equipment and property

All staff responsible for operation and maintenance must be fully acquainted with the contents of this manual prior to operation.

Special attention must be paid to the chapter: "Safety" and these instructions ought to be available to the staff in question. The manufacture accepts no responsibility for personal injuries or other damages due to missing observation of these instructions.

2. Safety rules

Local "Labour Safety Rules" in the actual area must be observed.

3. Personal qualification and training

Only trained staff should be trusted to operate, maintain and repair high-pressure equipment. The owner of the equipment is responsible and must ensure that all staff has been instructed and is acquainted with the contents of this manual. If necessary a training course ought to be arranged.

4. Safety instructions for the operator

Use only accessories from qualified supplier. Do only use parts, which are marked, tested or supplied with approval. Other parts may be dangerous.

5. Danger symbol

This



symbol refers to an important safety instruction. Read and fully understand such instructions.

Missing observation of these instructions may cause personal danger and risk of damaged to parts and property.

6. Safety during inspection, repair and maintenance

Rotating parts are equipped with bolted-on protections that must not be removed. The unit must be prevented from unexpected start in case of inspection.

The owner is responsible that qualified and skilled staff undertakes all inspection, maintenance and repair. The owner must ensure that the said staff has read and understood this manual.

Prior to commencement of all work the stop- and blocking instructions must be observed.



The main switch must be locked in open position; cable plug removed from the socket and / or fuses removed prior to all electrical work.

Please follow the chapter “Installation” before the unit is restarted.

7. Responsibilities



Operation, maintenance and repair practice not described in this manual is forbidden on the ground of safety. The same apply to changes of design and settings of various safety parameters. The supplier can not be held responsible for the consequences of use of not authorised parts and accessories.

8. Warning and instructions

- Connection of high-pressure water.

Observe the maximum permissible working pressure for the high-pressure hoses and nozzles.



- A possible leakage to a high-pressure hose or a pipe will normally be a crack that will cause the pressure to collapse. **Defect hose connections must be considered a risk, wherefore we recommend the use of hose-arrestors at both ends and all connections.**



- **Press the emergency stop without delay in case of an emergency situation or a defective component. Only reset the emergency stop after the fault has been rectified.**
- The emergency stop **must not** be used as a regular stop, wherefore it ought to be equipped with a key for reset and safekeeping by the responsible manager.



- **Flush the high-pressure hoses / pipes prior to connection of the gun/nozzle by:**
- Start of the unit – **keep the hose under control.**
- Connect the guns/nozzles and the unit is ready to operate.

- **Pressure setting:**

- The unit is equipped with a pressure regulator. The supplier has adjusted and sealed the regulator for the maximum pressure plus approx. 5% of the maximum working pressure.



The seal must only be broken in case of repair by qualified service staff in case of necessary repair after which new setting and sealing must be made.

- Please refer to the faultfinding diagram in case the expected working pressure can not be achieved.

