

WORK WITH HIGH-PRESSURE JETS 25 – 200 BAR

The information in the instructions is taken from the Work Environment Authority statute (AFS) 1994:54.

1. General

When working with high pressure equipment with a jet pressure higher than 25 bar, written user and safety instructions must be available at the work place. Personnel working with water jet pressures exceeding 200 bar must have undergone specialist training. If the operations occur at varying locations there must be written procedures for risk assessment.

When cleaning pipes internally action must be taken to prevent the jet nozzle from leaving the pipe unintentionally. Users of the hand held spray device must use

- eye protection
- foot and leg protection

2. Health and accident risks

It is advisable that the use and safety instructions state

- that hands or other body parts are not held in front of the nozzle
- that removal of the work piece when cutting must be carried out in a satisfactory way
- which safety equipment is to be used, for example if additives containing hazardous substances have been used

3. Minors

Regulations banning minors from using high pressure equipment can be found in AFS1996:01 with regards to the employment of minors.

4. Adapting spray device spray force

It is important that the size of the sprayer nozzle and the operating pressure or the pump are matched so that the reactive forces can be safely handled by the person handling the sprayer.

It is recommended that a check be carried out to see that the reactive forces and the extent of the changes in the reactive forces when stopping and starting can be handled before starting work.

5. Leakage

An example of a fault that has a major significance from a safety perspective is leakage in the connections or couplings between the hoses. It is important that very small leaks are rectified immediately.

6. Appendix

[Work with high pressure jets instructions](#) – the instructions must hang from all HP sprayers in the facility.