

2 Safety




2.1 Intended Use

The unit is to be used only for teaching purposes.

2.2 Structure of the Safety Instructions

The signal words **DANGER**, **WARNING** or **CAUTION** indicate the probability and potential severity of injury.

An additional symbol indicates the nature of the hazard or a required action.

Signal word	Explanation
 DANGER	Indicates a situation which, if not avoided, will result in death or serious injury .
 WARNING	Indicates a situation which, if not avoided, may result in death or serious injury .
 CAUTION	Indicates a situation which, if not avoided, may result in minor or moderately serious injury .
NOTICE	Indicates a situation which may result in damage to equipment , or provides instructions on operation of the equipment .

Symbol	Explanation
	Electrical voltage
	Hazard (general)
	Wear safety shoes
	Notice

2.3 Safety Instructions



⚠ WARNING

In the event of an earth fault, the leakage current may contain a DC component.

Risk of electrical shock.

- Install a residual current circuit breaker with the marking *Type B all-current sensitive RCD* according to EN 50178, IEC 755 with a tripping current of 30mA.

The residual current circuit breaker used must be approved for fusing devices with a three-phase rectifier bridge (type B) and for a short-duration pulse current at the instant of switching on.


⚠ CAUTION
Falling pipe sections.

Risk of injuries.

- When assembling the individual piping components, make sure that the individual parts are securely fastened.
- Individual pipe sections should always be assembled jointly by two trainees.
- All participants wear safety shoes during assembling.


NOTICE

The materials that the unit is made from are designed for use with water. No other media should be used.


NOTICE

Ensure the correct flow direction when installing the pipe components.


NOTICE

Do not exceed 4bar pressure!

Pressure gauge may be irreversibly overstrained. System may begin to leak.



NOTICE

The oil pressure may fluctuate depending on the ambient temperature.

After final inspection, the pressure on the system must be relieved (0bar) in order to prevent possible overloading of the system.



NOTICE

The safety valve (response pressure 4bar) on the pressure vessel is not a subject of this didactic accompanying material.

2.4 Ambient Conditions for Operating and Storage Location

- Enclosed room.
- Free of dirt and moisture.
- Level and secure base.
- Frost free.