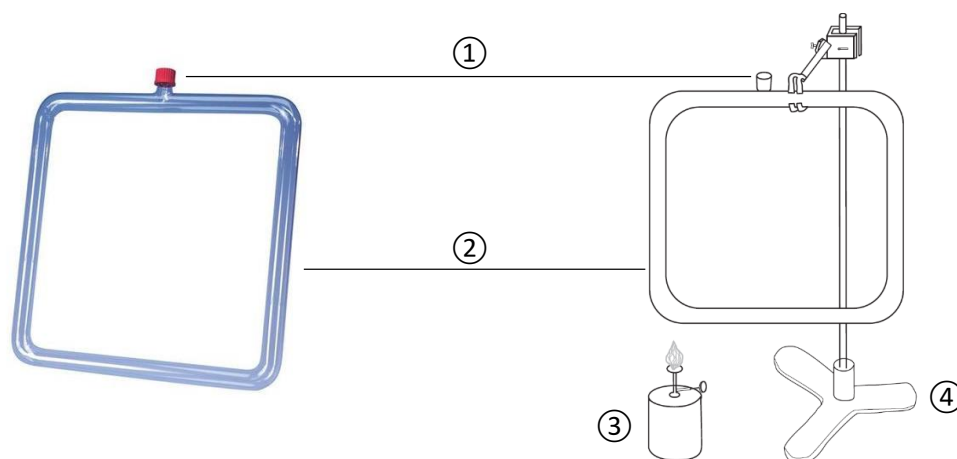


## Thermal Convection Device 1002903

### Instruction sheet

11/22 HJB



① GL-25 screw connection

② Glass tube

③ Burner

④ Stand components

### 1. Safety instructions

- Handle the glass body carefully. Breakage can lead to injury hazard!
- Do not subject the device to any mechanical stress.
- When using dyes be careful not to splash them on clothing, for example.
- Allow the glass body to cool down after completing the experiment.

### 2. Description, technical data

The thermal convection device is used to demonstrate heat flow or convection caused by the uneven heating of a liquid. It serves as a model of a warm-water central heating unit.

The convection apparatus consists of a square-shaped glass tube with filling neck and GL25 screw connection for pouring in liquids and dyes.

Dimensions: approx. 470 x 420 x 30  
Ø mm<sup>3</sup>

Material: Duran glass

### 3. Operation

#### Additionally required:

Stand components  
Burner  
Dye

- Assemble the heat flow device on the stand.
- Fill with water.
- Add some dye to the water.
- Apply a low flame one of the bottom corners of the glass tube.
- Observe the effect of thermal convection in water.
- After use rinse the thermal convection device with clear water.