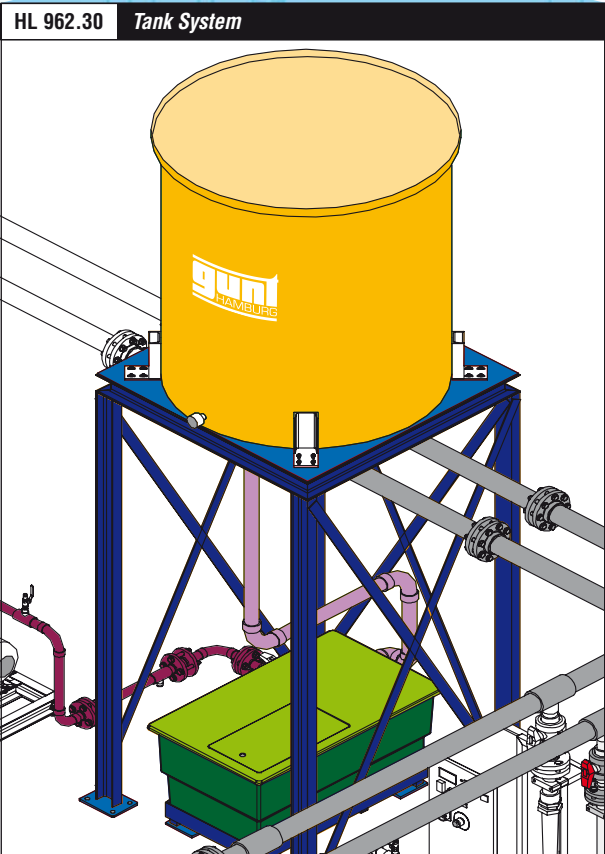
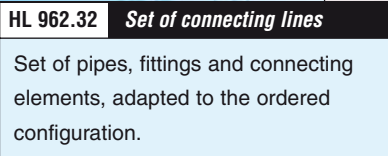


HL 962 ASSEMBLY AND MAINTENANCE EXERCISES: PIPES, FITTINGS, PUMPS



The practice and training system is based entirely on industrial technologies. It presents a complex project task for the training of piping and plant fitters as well as for maintenance mechanics. The planning and practical procedures may take several days.

The training system is particularly suitable for action-oriented project work in small groups of students. Detailed technical documentation, allied to didactic instruction, forms the basis for a successful learning process.

The HL 962 assembly stand for pumps is the main element of the training system. It can facilitate the installation of different centrifugal pumps (HL 962.01 – HL 962.04) and also provides the drive. Other key subassemblies are the tank installation for water supply (HL 962.30) and the piping system, constructed with the set of pipework and connection elements (HL 962.32). This then creates a complete system with a closed water circuit.

Multiple assemblies with identical or different pumps can be integrated into the network.

LEARNING CONTENT

Planning and construction of a complex piping and pump system to transport water

Configuration and modification of the complete system

Familiarisation with plant components:

- Different pumps and their drive systems
- Components of piping systems
- Fittings, connecting and sealing elements, measuring devices

Different connecting techniques in piping construction, assembly techniques, assembly aids

Electrical connections of a pump drive and control, display and operating components

Aligning the pump and drive motor

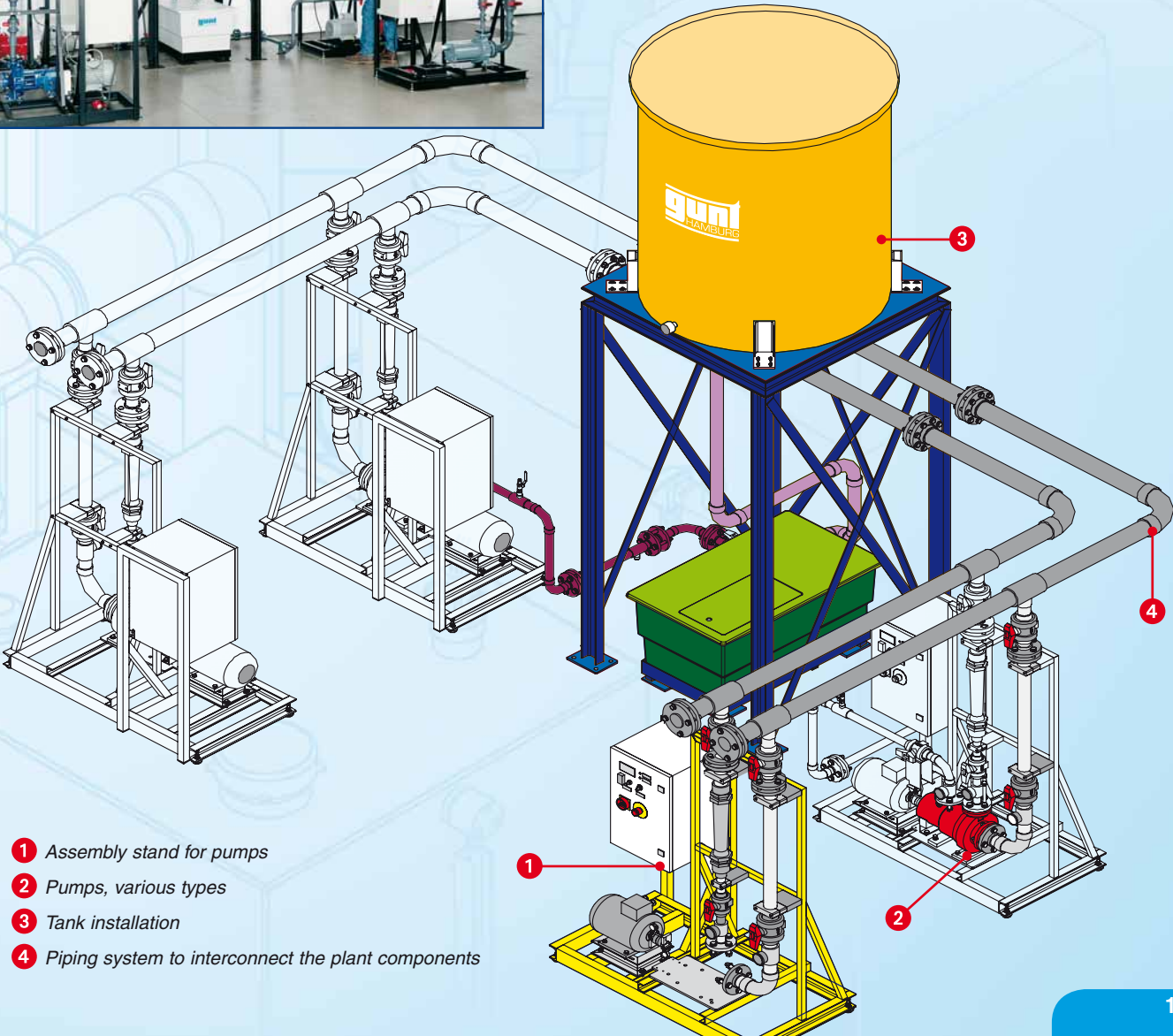
Operational measurements in piping and pump systems

Familiarisation with different materials utilised in the manufacture of plant equipment

Maintenance tasks and operations

Reading and understanding technical documents, such as drawings, schematic diagrams, or original operating instructions

Familiarisation with commissioning procedures



- 1 Assembly stand for pumps
- 2 Pumps, various types
- 3 Tank installation
- 4 Piping system to interconnect the plant components