

HL 962.30

Tank system



The illustration shows the complete layout of a pump system, comprising four HL 962 assembly stands, each with one pump (HL 962.01 – HL 962.04), the piping system HL 962.32 and the tank system HL 962.30.

Description

- **water supply for a complex piping and pump system**
- **large high-level tank for normally primed pumps**
- **low-level tank for self-priming pumps**

The HL 962 assembly stands are connected with piping elements from HL 962.32 to form a complex piping and pump system. The tank system HL 962.30 is required so that the system can operate as a closed process.

The tank system consists of a large high-level tank with a mounting frame, a low-level tank and connections with shut-off devices to the PVC piping system HL 962.32.

The high-level tank has a capacity of approximately 1,5m³ of water. A manometer close to the base of the tank measures the base pressure, thereby indicating the fill level. The high-level tank supplies the intake pipes of normally primed centrifugal pumps, and ensures an adequate inflow head. Its inlet and outlet distribution points are located at a height of about 2m.

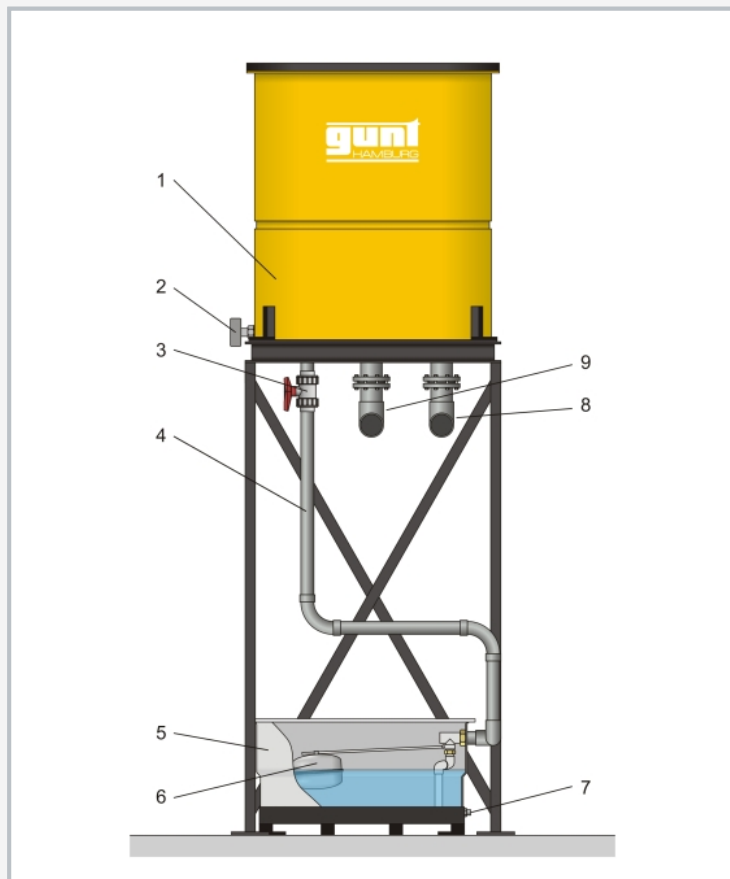
The low-level tank is also supplied with water from the high-level tank. It is used for the self-priming side channel pump. A float valve ensures an adequate water level. All pumps transfer the water back to the high-level tank via the piping system.

All materials in the tank system are fully corrosion-proof, as they are all manufactured from plastic.

The assembly stand (HL 962), tank system (HL 962.30) and piping system (HL 962.32) are interconnected by way of flanges. It is possible to expand the system and connect more assembly stands.

HL 962.30

Tank system



1 high-level tank, 2 manometer, 3 ball valve, 4 pipe to low-level tank, 5 low-level tank, 6 float valve, 7 connection for side channel pump, 8 distributor tank outlet, 9 distributor tank inlet

Specification

- [1] water supply for a complex piping and pump system
- [2] high-level tank with cover and manometer on solid frame for supply to normally primed pumps
- [3] low-level tank with cover and float valve to supply the self-priming side channel pump HL 962.03
- [4] PVC piping to supply the low-level tank from the high-level tank
- [5] connection between the HL 962.30, HL 962.32 and HL 962 elements via flanges
- [6] high-level tank with frame

Technical data

High-level tank with cover

- capacity: 1500L
- material: polyethylene
- distributor to pipes in base
- height of delivery side distributor: approx. 2m
- 1 manometer on supply tank: 0...1,6mWC

Low-level tank with cover

- capacity: 280L
- material: glass fibre-reinforced plastic

2 manometers to check the pressure at inlet of the side channel pump HL 962.03: -1...1,5bar

PVC pipes from HL 962.32

- tank inlet and outlet: DN80
- connection to side channel pump: DN32

LxWxH: 1350x1350x3860mm

Weight: approx. 350kg

Scope of delivery

- 1 mounting frame
- 1 high-level tank with cover
- 1 low-level tank with cover
- 1 PVC pipe to interconnect the two tanks
- 1 set of assembly drawings

HL 962.30

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Required accessories

HL 962.32 Piping systems and fittings