

# HL 962.01

## Standard chemicals pump



### Learning objectives/experiments

- in conjunction with HL 962, HL 962.30 and HL 962.32
  - ▶ operation of a standard pump
  - ▶ recording the pump characteristic
  - ▶ leak testing
  - ▶ alignment of pump and drive motor

### Specification

- [1] centrifugal pump as accessory for installation in HL 962
- [2] drive and water supply provided by HL 962
- [3] process configuration permits easy exchange of wearing parts
- [4] pump hydraulic design according to ISO 2858
- [5] pump technical requirements according to ISO 5199

### Technical data

Centrifugal pump (at nominal speed: 1450min<sup>-1</sup>)

- max. flow rate: 9,5m<sup>3</sup>/h
- max. head: 9,5m
- power consumption: 0,5kW

Connecting flange

- delivery side: DN32
- intake side: DN50

Materials

- housing, impeller: grey cast iron
- shaft: stainless steel

LxWxH: 570x240x300mm

Weight: approx. 43kg

### Scope of delivery

- 1 pump
- 1 manual

### Description

- centrifugal pump according to ISO 5199 as accessory for installation in assembly stand HL 962

The standard pump used here is a centrifugal pump commonly used in the chemical and process engineering industries. The media being carried are often corrosive, toxic, explosive or volatile, or are carried at very high or very low temperatures. This places extreme stress on the pump.

The standard pump is a single-stage spiral casing pump in process configuration. The process configuration ensures quick and easy exchanging of wearing parts. The spiral housing is the most common design for single-stage pumps. Its design is precisely adapted to the flow of the pump. This enables the optimum efficiency levels to be attained. The hydraulic design and connecting dimensions of the pump conform to ISO 2858; the technical requirements are to ISO 5199.