

- ▶ Filter technology
- ▶ Surface technology
- ▶ Machine supply
- ▶ Process engineering
- ▶ Environmental technology

schmalenberger
strömungstechnologie



Short description

- ▶ Multistage centrifugal pumps with multiple pressure outlets

Compact, efficient and extremely powerful!

Multistage centrifugal pumps with multiple pressure outlets

Features

- ▶ Minimum space requirement by using one motor for multiple pressure outlets
- ▶ Parallel or alternative operation possible
- ▶ Individually configurable
- ▶ Variable immersion depths due to selectable flange position
- ▶ Simple control
- ▶ Characteristic field extendable with the use of a variable speed drive

Technical data

- ▶ Multistage pumps in block construction
- ▶ Pump series TH, ZHB, ZHS, ZHT, DUO
- ▶ For clean or slightly polluted media without air inclusions
- ▶ Flow rate 20 - 600 l/min
- ▶ Delivery head up to 400 m
- ▶ Material options: POM / PPS / cast iron / stainless steel
- ▶ Various sealing options
- ▶ Motor voltages: 50 Hz up to 3 kW 230/400 V, From 4 kW 400/690 V, 60 Hz 460 V (other voltages on request)

Dry installation

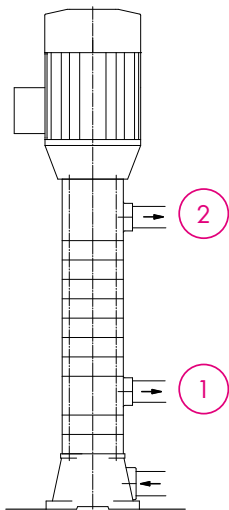


Fig.: Pump type ZHS

Tank installation

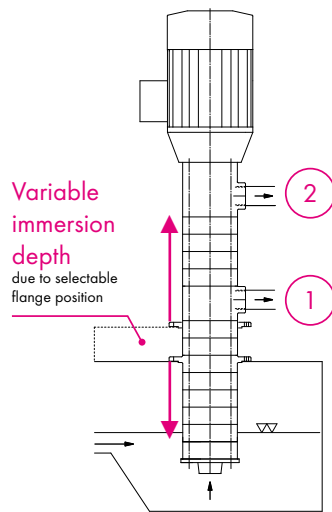


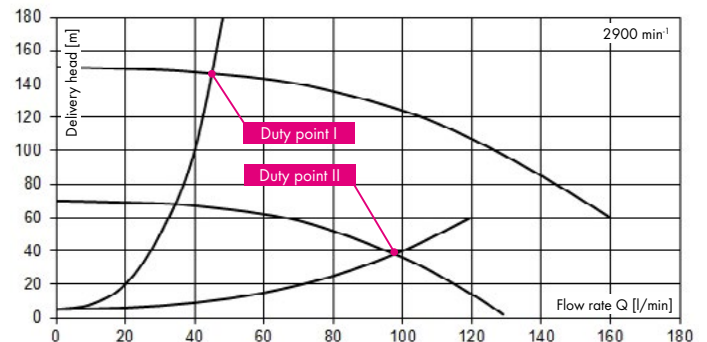
Fig.: Pump type TH

The application of our modular system enables us to equip our multistage centrifugal pump types ZHB, ZHS, ZHT, TH and DUO with multiple pressure outlets. The use of just one motor with multiple pressure outlets for different duty points results in minimal space requirements compared to the use of multiple pumps. Another advantage offered by our immersion pump types ZHT, TH and DUO

is the ability to have a variable immersion depth due to customizable flange positions. The multistage centrifugal pumps have been developed for pumping clean and slightly polluted media such as emulsions and oils. Flows of 20 to 600 l/min and a delivery head up to 400 m are possible. This results in a wide range of possibilities in industrial applications, e.g. in the transport of coolants.

Example of alternative operation

All values for water at 20 °C



- ① First pressure outlet
- ② Second pressure outlet