

# HIGH PRESSURE CENTRIFUGAL PUMPS

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## VKI

Non-selfpriming multistage high pressure centrifugal pump  
in vertical in-line design

For the pumping of clear and slightly contaminated liquids in:  
pressure boosting systems, central heating, cold and hot water circulation,  
water supply systems, power stations, filter units, fire extinguishing and irrigation plants





A motor controller which consists of a motor and an integrated, fully programmable frequency controller is optionally available. This controller provides exact and quick adjustment to changing operating conditions.

- high efficiency
- low-noise operation
- modular construction
- use of high grade material
- little maintenance necessary
- easy to service

## VKI

### LIQUIDS

Fresh water, drinking water, boiler feed water, process water, sea and brackish water, hot water, condensate, lye and many more liquids which are free of aggressive components and do not corrode the materials of construction (1.4301 / AISI 304)

### MATERIALS

All pump parts in contact with the medium made of 1.4301 (AISI 304), 1.4401 (AISI 316) is optionally available

### TECHNICAL DATA

- **Capacity** up to 26 m<sup>3</sup>/h (115 USGPM)
- **Head** up to 230 m (755 ft)
- **Speed** up to 3.500 rpm
- **Temperature** up to 90 °C (120 °C), 194 °F (248 °F)
- **Casing Pressure** up to 25 bar
- **Shaft Sealing** Standardized mechanical seal
- **Lubrication** Friction bearing lubricated by pumping liquid
- **Flange** DN 32 to DN 50  
DIN 2534, PN 25
- **Drive 50 Hz** IEC-standard 3-phase electric motor 400 V, insulation class F, protection IP 55
- **Drive 60 Hz** IEC-standard 3-phase electric motor 460 V, insulation class F, protection IP 55
- **Options for electric motors**
  - special voltage and/or frequency
  - PTC-resistors for operation with frequency transformer
  - integrated frequency transformer with PI-controller and sensor