

HIGH PRESSURE CENTRIFUGAL PUMPS

IN-VB / IN-VC

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

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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.

MATERIALS

All pump parts in contact with the medium made of 1.4301, 1.4401 is optionally available.

TECHNICAL DATA

● Capacity	up to 160 m ³ /h (705 USGPM)
● Head	up to 250 m (850 ft)
● Speed	up to 3.500 rpm
● Temperature	up to 100 °C (212 °F)
● Casing Pressure	up to 25 bar
● Shaft Sealing	Mechanical seal*
● Lubrication	Friction bearing lubricated by pumping liquid
● Flange	R1" to R1 ½" oval DN 25 to DN 125 round 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	<ul style="list-style-type: none"> • special voltage and/or frequency • PTC-resistors for operation with frequency transformer • integrated frequency transformer with PI-controller and sensor

* according to product profile