

# HIGH PRESSURE CENTRIFUGAL PUMPS

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## CVP

Non-selfpriming multistage high pressure centrifugal pump  
in vertical 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,  
irrigation plants and general industry





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
- 3 hydraulic sizes – 1 casing
- variable flange position
- little maintenance necessary
- easy to service

## CVP

### LIQUIDS

Fresh water, drinking water, boiler feed water, process water, sea and brackish water, hot water, condensate, lye, drilling emulsions and many more liquids which are free of aggressive components and do not corrode the materials of construction

### MATERIALS

Impellers and shaft made of stainless steel, diffusers and wear plates made of Ryton, suction and discharge casing made of cast iron, shroud made of steel (optionally stainless steel). Other materials of construction can be selected according to requirements of the pumping medium.

### TECHNICAL DATA

● <b>Capacity</b>	up to 15 m <sup>3</sup> /h (66 USGPM)
● <b>Head</b>	up to 200 m (655 ft)
● <b>Speed</b>	up to 3.500 rpm
● <b>Temperature</b>	up to 80 °C (100 °C), 176 °F (212 °F)
● <b>Casing Pressure</b>	up to 22 bar
● <b>Shaft Sealing</b>	Mechanical seal
● <b>Lubrication</b>	Friction bearing lubricated by pumping liquid
● <b>Connections</b>	Suction nozzle R 1½" Discharge nozzle R 1¼"
● <b>Drive 50 Hz</b>	IEC-standard 3-phase electric motor 400 V, insulation class F, protection IP 55
● <b>Drive 60 Hz</b>	IEC-standard 3-phase electric motor 460 V, insulation class F, protection IP 55
● <b>Options for electric motors</b>	<ul style="list-style-type: none"> <li>• special voltage and/or frequency</li> <li>• PTC-resistors for operation with frequency transformer</li> <li>• integrated frequency transformer with PI-controller and sensor</li> </ul>