

## Series description: Wilo-VeroLine-IP-Z



### Design

Glanded circulation pump in in-line design with threaded connection

### Application

For pumping potable water, cold and hot water (in accordance with VDI 2035) without abrasive substances, in heating, cold water and cooling water systems

### Type key

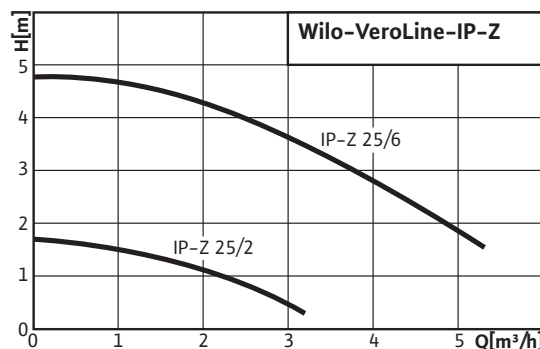
Example	Wilo-VeroLineIPZ 25/6
<b>IP</b>	In-line pump (screw-end pump)
<b>Z</b>	Circulation pump
<b>25/</b>	Nominal connection diameter Rp
<b>6</b>	Power capacity in approximation to the maximum delivery head [m]

### Special features/product advantages

- High resistance to corrosive fluids due to stainless steel housing and Noryl impeller
- Wide range of applications due to suitability for water with hardness values up to 5 mmol/l (28 °dH)
- All plastic parts that come into contact with the fluid fulfil KTW recommendations

### Technical data

- Permissible temperature range
  - Potable water up to 5 mmol/l (28 °dH): max. +65 °C, in short-term operation (2 h) up to +110 °C
  - Heating water: -8 °C to +110 °C
- Mains connection 1~230 V, 50 Hz or 3~230/400 V, 50 Hz
- Protection class IP 44 motor, IP 54 terminal box
- Nominal diameter Rp 1
- Max. operating pressure 10 bar



### Description/design

Single-stage, low-pressure centrifugal pump in in-line design with

- Mechanical seal
- Threaded connection
- Motor with one-piece shaft

### Materials

- Pump housing and lantern: 1.4306
- Impeller: Noryl
- Shaft: 1.4571
- Mechanical seal: Ceramic/graphite/EPDM

### Scope of delivery

- Pump
- Installation and operating instructions

### Accessories

- Adapters
- Motor protection switch

### General notes – ErP (ecological design-) directive

- The benchmark for most efficient water pumps is  $MEI \geq 0.70$
- The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.
- The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.
- Information on benchmark efficiency is available at [www.europump.org/efficiencycharts](http://www.europump.org/efficiencycharts)

Duty chart: Wilo-Veroline-IP-Z

Pump curves

