

Glanded centrifugal pump with in-line design for pipe installation with built-in frequency converter for electronic control for constant or variable differential pressure (Δp -c/ Δp -v). Three-phase AC motor with frequency converter.

Design:

- > Single-stage low-pressure centrifugal pump with one-piece shaft
- > Spiral housing, in-line design
- > PN 16 flange – drilled according to EN 1092-2
- > Pressure measuring connections (R 1/8) for mounted differential pressure sensor (version ...-R1 without differential pressure sensor)
- > Pump housing and motor flange with cataphoretic coating as standard
- > Mechanical seal for water feed up to $T=120\text{ }^{\circ}\text{C}$. A glycol admixture of 20 to 40% by vol. is permitted up to $T_{\text{max}} = +40\text{ }^{\circ}\text{C}$. Other mechanical seals or other fluids/temperatures on request.

Accessories:

- > Mounting brackets for fixing to the foundation
- > IR-Monitor
- > IR-Stick
- > IF module PLR
- > IF module LON
- > IF module Modbus
- > IF module BACnet
- > IF module CAN
- > Control systems VR-HVAC/CCe-HVAC/SCe-HVAC
- > Differential pressure sensor (DDG) sets 0-10 V for pumps in version ...-R1

Standard equipment:

- > One-button manual operation level for:
 - > Pump On/Off
 - > Setpoint and speed adjustment
 - > Selecting the control mode: Δp -c (constant differential pressure), Δp -v (variable differential pressure), PID controller, n-constant (constant speed)
 - > Selection of operating mode in dual pump operation (main/standby operation, parallel operation)
 - > Configuration of operating parameters
 - > Fault acknowledgement
- > Pump display for displaying:
 - > Control mode
 - > Setpoint (e.g. differential pressure or speed)
 - > Error and warning messages

Operating data

Fluid media	Water
Fluid temperature T	-20 °C
Ambient temperature T	0 °C
Maximum operating pressure PN	10 bar
Minimum efficiency index (MEI)	0.4

Motor data

Motor efficiency class	IE4
Interference emission	EN 61800-3
Interference immunity	EN 61800-3
Mains connection	3~380 V, 50/60 Hz
Rated power P_2	1100.0 W
Max. speed n_{max}	2900 1/min
Rated current I_N	2.60 A
Insulation class	F
Protection class motor	IP55
Motor protection	

Materials

Pump housing	Cast iron
Impeller	PPE/PS-GF30
Shaft	Stainless steel
Shaft seal	AQ1EGG
Lantern	Cast iron

Installation dimensions

Pipe connection on the suction side DN_s	DN 32
Pipe connection on the pressure side DN_d	DN 32
Port-to-port length L_0	260 mm

Information for order placements

Brand	Wilo
Product description	VeroLine-IP-E 32/125-1,1/2
Net weight, approx. m	30 kg
Article number	2158812

- > Actual values (e.g. power consumption, actual value of the sensor)
- > Operating data (e.g. operating hours, energy consumption)
- > Status data (e.g. status of SSM and SBM relay)
- > Device data (e.g. pump name)

Additional functions:

- > Interfaces: Control input "Overriding Off", "External pump cycling" (effective only in dual pump operation), analogue input 0–10 V, 2–10 V, 0–20 mA, 4–20 mA for control mode (DDC) or for remote setpoint adjustment, analogue input 0–10 V, 2–10 V, 0–20 mA, 4–20 mA for actual value signal of the pressure sensor, Infrared interface for wireless communication with the operating and service unit Wilo-IR-Stick/IR-Monitor, plug-in position for Wilo IF-Module Modbus, BACnet, CAN, PLR, LON for connecting to the building automation, configurable, potential-free fault and operating/ready message, interface for dual pump communication
- > Adjustable time interval for pump cycling (in dual pump mode)
- > Integrated full motor protection
- > Different operating modes for heating mode (HV) or air-conditioning mode (AC)
- > Access disable
- > Different operation levels: Standard / Service