wilo

Series description: Wilo-Multivert MVI

Wilo-Multivert MVI





Similar to figure

Construction

Non-self-priming, multistage high-pressure centrifugal pump in vertical design with in-line connections.

Your advantages

Corrosion-resistant impellers, diffusors and stage housings
 Drinking water approval for all components that come in contact with the fluid (EPDM version)



Series description: Wilo-Multivert MVI

Application

- Water supply and pressure boosting
- Fire extinguishing systemsBoiler feed
- Industrial circulation systems
- Process engineeringCooling water circulation systems
- Washing and sprinkling systems

Equipment/function

• MVI 70.. and 95..: PN16 and PN25 version with round flange

Scope of delivery

- MVI high-pressure multistage centrifugal pump
- MVI 1.. 8..: Oval counter flanges with corresponding screws and O-rings (PN16
- variant)

 Installation and operating instructions

Type key

Example:	MVI 7002/1-3/16/E/3-400-50-2
MVI	Vertical high-pressure multistage centrifugal
	pump
70	Flow rate in m ³ /h
02	Number of impellers
1	Number of trimmed impellers
3	3= pump housing EN-GJL-250 (cataphoretic
	coating), hydraulics 1.4301 (AISI 304)
16	Flange type 16 = flange PN16 (round or
	oval) 25 = flange PN25 (round or oval)
E	Gasket type E = EPDM V = FKM (Viton)
3	3 = 3~ (three-phase current)
400	Connection voltage in V
50	Frequency in Hz
2	Number of poles

Technical data

- · Electrical connection:
 - 3~400 V (±10 %), 50 Hz
 ≤ 4 kW 230 V/ 400 V; Δ/Y
 > 4 kW 400 V/ 690 V; Δ/Y
- Fluid temperature of -15 to +120 °C (with EPDM), (-15 to +90 °C with FKM)
- Operating pressure max. 16/25 bar
 Max. inlet pressure of 10 bar
- Protection class IP 55
- Flange connections:MVI 70../95.. PN 16/PN 25: Round flange (DN 100)

Materials

MVI 70../95..:

- Impellers of stainless steel 1,4408 (AISI 316)
- Stage chambers made of 1.4301 (AISI 304) stainless steel
- Pump housing made of cataphoretic-coated grey cast iron EN-GJL 250
 Shaft 1.4057 (AISI 431) stainless steel
 Gasket EPDM

- Housing cover made of 1.4301 (AISI 304) stainless steel
 Housing bottom made of 1.4301 (AISI 304) stainless steel
 Mechanical seal of B-carbon/tungsten carbide, SiC/carbon
- Pressure shroud made of 1.4301 (AISI 304) stainless steel
- Bearing of tungsten carbide