Pioneering for You

Wilo-MultiVert-MVI 1../2../4../8../16.. -6

de Einbau- und Betriebsanleitung
en Installation and operating instructions
fr Notice de montage et de mise en service
nl Inbouw- en bedieningsvoorschriften
es Instrucciones de instalación y funcionamiento
it Istruzioni di montaggio, uso e manutenzione
fi Asennus- ja käyttöohje
sv Monterings- och skötselanvisning
hu Beépítési és üzemeltetési utasítás
el Οδηγίες εγκατάστασης και λειτουργίας
cs Návod k montáži a obsluze
pl Instrukcja montażu i obsługi
ru Инструкция по монтажу и эксплуатации
da Monterings- og driftsvejledning
no Monterings- og driftsveiledning

2 050 778-Ed.07 / 2015-02-Wilo

Fig. 1

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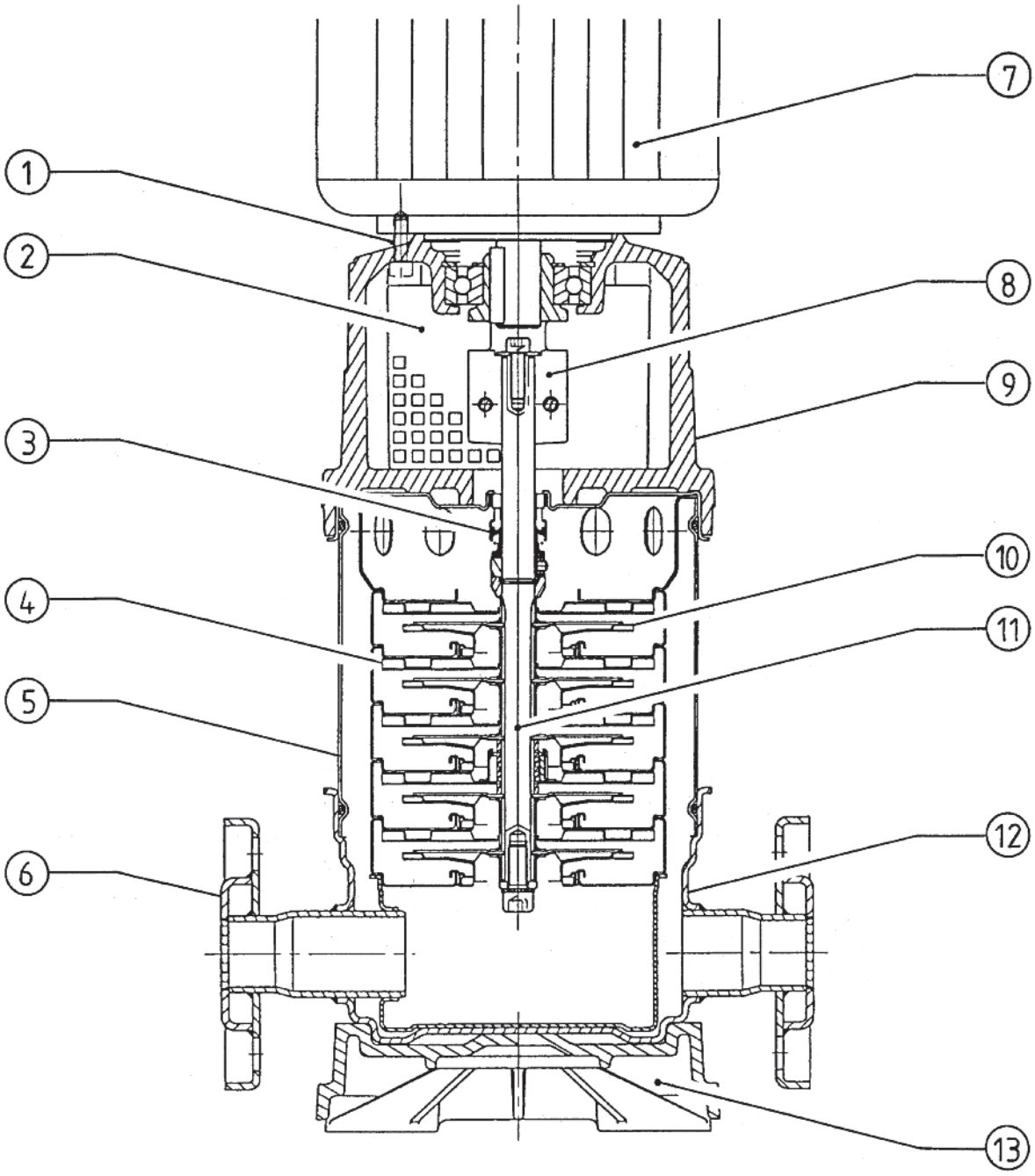


Fig. 2

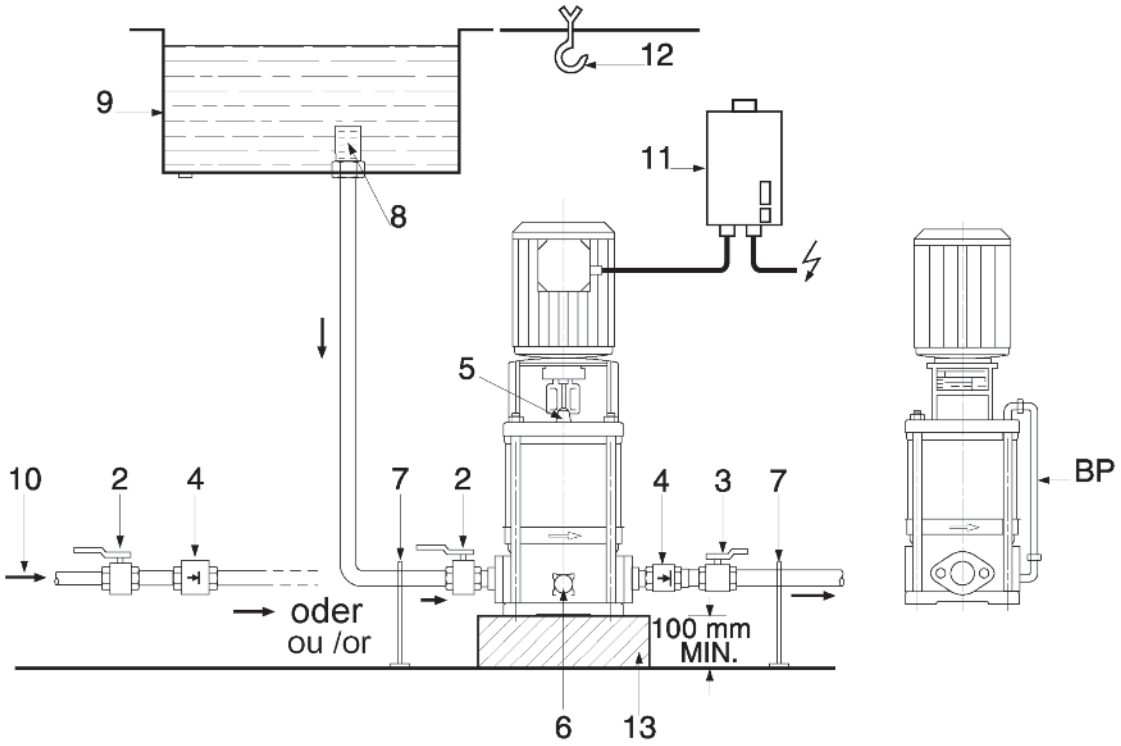
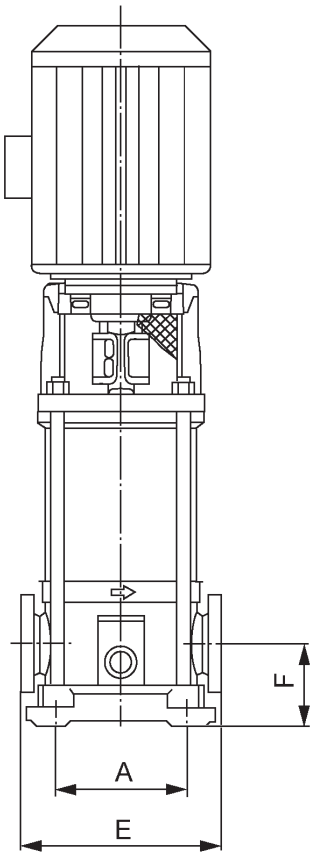
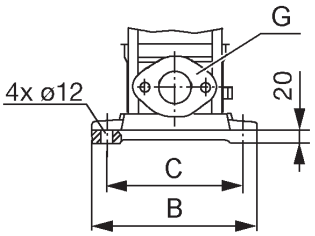


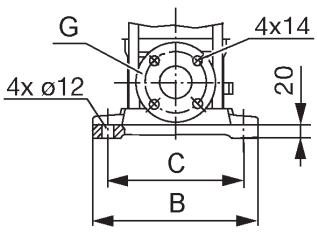
Fig. 3



PN 16



PN 25



PN 25 Victaulic

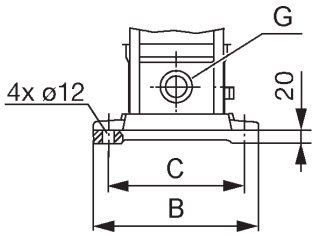
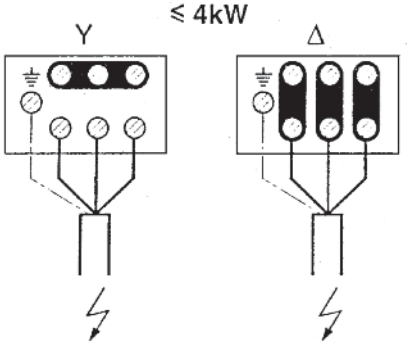
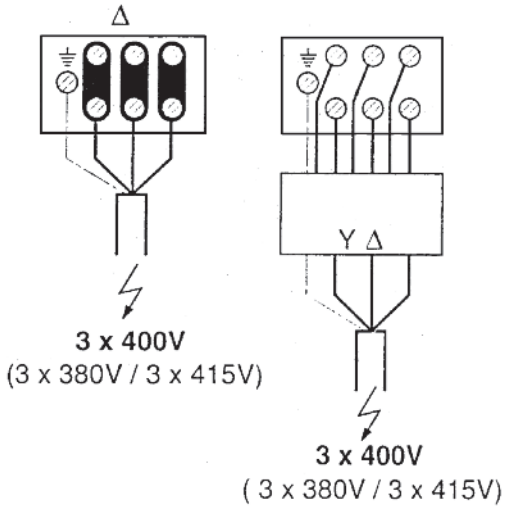


Fig. 4

MOT. 230 - 400V (220 - 380V / 240 - 415V)
≤ 4kW



MOT. 400VΔ (380VΔ / 415VΔ)
> 4kW



1. General

About this document

The language of the original operating instructions is French. All other languages of these instructions are transations of the original operating instructions.
These Installation and Operating Instructions form an integral part of the unit. They must be kept close to the unit and in readiness whenever required. Precise observance of these instructions is a precondition for use of the unit for the intended purpose and for its correct operation.
These Installation and Operating Instructions conform to the relevant version of the equipment and the underlying safety standards valid at the time of going to press.

1.1 Applications

The pump is suitable for hot and cold water and other fluids free from mineral oil and without abrasives or long-fibred substances.
The main areas of use are in water supply installations, as a booster pump, as a boiler feed pump, in industrial circulation systems, in process technology, in cooling water systems, in fire extinguishers and in washing and sprinkler installations.
Approval from the manufacturer must be obtained beforehand if corrosive chemicals are to be pumped.

1.2 Technical description

1.2.1 Performance and electrical data (table 1)

(table 1)

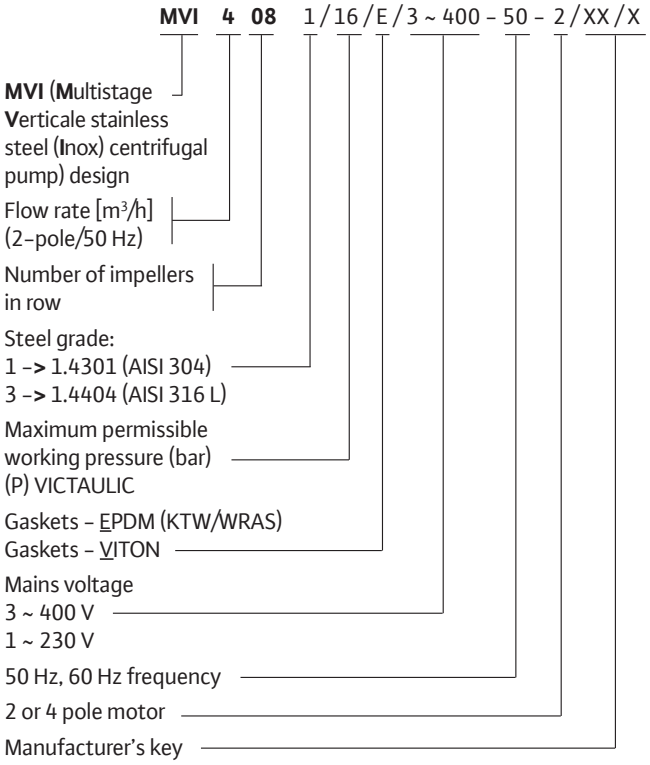
Permissible temperature range for version designed for use with drinking water KTW/WRAS without KTW/WRAS, water			–15 °C to +120 °C –15 °C to +90 °C
Maximum ambient temperature			+40 °C
Maximum permissible working pressure:	at the inlet (inlet pressure see paragraph 5.1) at the outlet, for a 2 pole motor at the outlet, for a 4 pole motor		10 bar 16/25 bar 16 bar
Main voltages:		50 Hz (±10%)	60 Hz (±6%)
	EM: for $P_2 \leq 1{,}5$ kW DM: for $P_2 \leq 4$ kW for $P_2 \geq 5{,}5$ kW	1 ~ 230 V 3 ~ 230/400 V 3 ~ 400 V	1 ~ 230 V 3 ~ 230/400 V 3 ~ 400 V
Standard motor	for $P_2 \leq 5{,}5$ kW for $P_2 \geq 7{,}5$ kW		Standard motor V18 Standard motor V1
Speed		50 Hz	60 Hz
	2 pole version 4 pole version	2900 t/min 1450 t/min	3500 t/min 1750 t/min
Mains fuse protection			see motor rating plate
Protective system			IP 55 Better protective systems available
Sound level		50 Hz	60 Hz
		< 73dB(A)	< 77dB(A)

Principal dimensions and connection dimensions (table 2, see also Fig 3)**:**

Models				PN 16 version			PN 25 version					
				Oval flange			Circular flange			Victaulic		
	A	B	C	E	F	G	E	F	G	E	F	G
MVI	mm			mm			mm			mm		
102 → 124	100	212	180	204	50	Rp1	250	75	DN 25	–	–	–
202 → 220	100	212	180	204	50	Rp1	250	75	DN 25	210	50	Rp1 1/4
402 → 420	100	212	180	204	50	Rp1 1/4	250	75	DN 32	210	50	Rp1 1/4
802 → 819	130	252	215	250	90	Rp1 1/2	280	80	DN 40	261	90	Rp2
1602 → 1612/6	130	252	215	250	90	Rp2	300	90	DN 50	–	–	–

When ordering spare parts, please give all the information on the pump/motor rating plate.

1.2.2 Series specifications



2. Safety precautions

These instructions contain important information which must be followed when installing and operating the pump. It is therefore imperative that they be read by both the installer and the operator before the pump is installed or started up.
Both the general safety instructions in the 'Safety precautions' section and those in subsequent sections indicated by danger symbols should be carefully observed.

2.1 Danger symbols used in these operating instructions

Safety precautions in these operating instructions which, if not followed, could cause personal injury

Safety precautions warning of danger due to electricity are indicated by the symbol:

Safety precautions which, if not followed, could damage the pump or installation and cause it to malfunction are indicated by the word:

WARNING!

2.2 Qualified Personnel

The personnel installing the pump must have the appropriate qualifications for this work.

2.3 Risks incurred by failure to comply with the safety precautions

Failure to comply with the safety precautions could result in personal injury or damage to the pump or installation. Failure to comply with the safety precautions could also invalidate any claim for damages. In particular, failure to comply with these safety precautions could give rise, for example, to the following risks:

- the failure of important parts of the pump or installation,
- personal injury due to electrical, mechanical and bacteriological causes.
- material damage.

2.4 Safety precautions for the operator

Existing regulations for the prevention of accidents must be followed. To prevent the risk of electric shock or electrocution VDE regulations and those of the local supply company must be followed.

2.5 Safety precautions for inspection and installation

The operator must ensure that all inspection and installation work is carried out by authorized and qualified specialists who have carefully studied these instructions. In principle, work should not be carried out on a running pump or installation.

2.6 Unauthorized alterations and manufacture of spare parts

Alterations to the pump or installation may only be carried out with the manufacturer's consent. The use of original spare parts and accessories authorized by the manufacturer will ensure safety. The use of any other parts may invalidate claims invoking the liability of the manufacturer for any consequences.

2.7 Improper use

The operational safety of the pump or installation supplied can only be guaranteed if it is used in accordance with paragraph 1 of the operating instructions. The limits given in the catalogue or data sheet must under no circumstances be exceeded.

3. Transport and Storage

WARNING! During transport and in storage the pump must be protected against moisture, frost and mechanical damage.
The pump unit is to be transported with the shaft horizontal. When storing, ensure that the pump unit cannot overturn as a result of top-heaviness.

4. Description of product and accessories

4.1 Pump description

The pump is a multistage (2-24 stages) normal suction vertical high pressure centrifugal pump with an in-line design, i.e. the inlet and outlet pressure glands are in a line. The pump is supplied in one of two outlet designs:

PN 16: with welded oval flanges,

PN 25: with welded circular flanges or VICTAULIC connection.

The pump (Fig. 1) stands on a grey cast iron pump footplate which serves as a fixing base (13). The stage casings (4) are in a multiple modular construction. The impellers (10) are fitted on a single shaft (11). The pressure casing (5) guarantees a fail-safe seal.

All parts in contact with the fluid, such as stage casings, impellers, pressure casing and pump base (12) with flanges (6) are made of chromium nickel steel. The shaft hole through the pump casing is sealed with an axial face seal (3). The pump and motor shafts are linked together by a clutch (8). All parts of the drinking water version (version E) which are in contact with the fluid have been cleared by KTW and WRAS and are therefore suitable for use with drinking water.
The speed of the pump can be controlled when connected to a frequency converter (see paragraph 5.3).

4.2 Components supplied

- high pressure centrifugal pump
- for PN 16: 2 oval flanges (mating flanges) with internal threads, gaskets and screws,
- Installation and Operating Instructions.

4.3 Accessories

See catalogue or data sheet

5. Assembly and Installation

- See the rating plate of the pump and the rating plate of the motor

5.1 Installation

WARNING! Before installing the pump, make sure that all welding and soldering on the pipe system has been completed and that the pipe system has been flushed out if necessary. Dirt will damage the pump.

- Assemble the pump in a dry place free of frost.
- Assemble in a horizontal and flat position. If the pump is positioned on an incline the bearing will wear more quickly. Vertical operation only.
- Install the pump in an easily accessible place to facilitate inspection and disassembly. Always install the pump exactly perpendicular on a sufficiently heavy concrete base (Fig. 2, 3). Fit a vibration absorber between the base and the floor.
- Dimensions for installation and connections are given in Paragraph 1.2.1, Table 2 and in Fig. 3.
- For heavy pumps, attach a hook (Fig. 2, 12) or an eye with adequate load-bearing capacity vertically above the pump (for total weight of the pump see catalogue or data sheet), so that the pump can be attached to a crane or other lifting gear for maintenance or repairs.
- Only use the screws provided when fitting an oval flange on the PN 16 version as longer screws could damage the pump base.
- The arrow on the pump casing indicates the direction of flow.
- Fit the inlet and outlet pipes without stress. Install bellow expansion joints of restricted length to absorb vibrations. The pipes must be attached (Fig. 2, 7) in such a way that the pump does not bear the weight of the pipes.
- Isolation mechanisms (Fig. 2., 2&3) must in principle be installed in front of and behind the pump to avoid having to empty and refill the whole installation when inspecting or changing the pump.
- It is advisable to choose an inlet pipe with a nominal width one unit higher than that of the pump connector.
- To avoid pressure losses, the inlet pipe should be as short as possible and should not be restricted by bends or valves.
- A backflow preventer (Fig. 2., 4) should be fitted in the outlet pipe.
- The axial face seal should be protected against dry running. An inlet pressure gauge or level gauge should be installed by the customer.
- If the pump is to be connected directly to the public drinking water mains, a backflow preventer (Fig. 2., 4) and isolating valve (Fig. 2., 2) must also be installed in the inlet pipe.
- If the pump is to be connected indirectly via a reservoir, a suction strainer (Fig. 2, 8) must be provided in the inlet pipe by the customer to prevent coarse impurities entering the pump.
- With limited nominal pressure PN, ensure that this pressure is produced from the inlet pressure and the zero flow level:

$$PN \leq P_{inlet} + P_{Q=0}$$

- To prevent the formation of air pockets and hence high temperatures in the upper section of the pump at low flow rates (which would damage the axial face seal), a bypass pipe can be fitted to the pump (Fig. 2, BP, accessories).

5.2 Electrical installation

Electrical work must be carried out by a qualified and licensed electrician in strict compliance with local regulations.

- Check that the mains current and voltage comply with the data on the rating plate.
- Pump/installation must be earthed in compliance with regulations.
- All motors must be fitted with a motor safety switch by the customer to prevent the motor from overheating.
  Adjusting the motor safety switch:
  Direct starting current: Adjust to nominal current of the motor in accordance with the data on the motor rating plate.
  Star or triangular circuit starting current: If the motor safety switch is connected as a star or triangular safety circuit combination at the supply line it can be adjusted in the same way units operating on direct starting current. If the motor safety switch is connected to the motor supply line in phase (U1/V1/W1 or U2/V2/W2), then the motor safety switch should be adjusted to the value of 0.58 of the nominal motor current.
- The mains cable can be inserted to the left or the right of the terminal box. Open the appropriate hole by removing the moulded cover, unscrew the PG connector and push the cable through the PG connector.
- The supply cable must be protected against the effects of heat and vibrations which may come from the motor or the pump.
- Heat-resistant cable must be used if the pump is fitted in installations in which the temperature of the fluid pumped exceeds 90 °C.

- Connection to the mains must be carried out in accordance with the plan of terminal connections for rotary or alternating current in the terminal box of the pump (Fig. 4).
- The terminal box can be better positioned by rotating the motor through steps of 90°. To do this, remove the clutch guard (Fig. 1, 2) and loosen the connecting screws (Fig. 1, 1) of the light and the motor flange. When assembling the clutch guard, do not forget to tighten the safety screw.

5.3 Operation with frequency converter

The speed of the pump can be controlled when connected to a frequency converter. Speed control limits: $40\%n_{nom} \leq n \leq 100\%n_{nom}$.
See Installation and Operating Instructions of the frequency converter for connection and operation. To avoid overloading the motor coil to the extent that it is damaged and to avoid increased noise levels, the frequency converter must not produce speeds due to increased voltage of over 2500 V/µs and spikes of $\hat{u} > 850$ V. If such speeds due to increased voltage are possible, an LC filter (motor filter) should be installed between the frequency converter and the motor. The filter must be designed by the manufacturer of the frequency converter or filter.
In control devices with frequency converters supplied by Wilo, the
filter is already installed.

6. Commissioning

WARNING! In order to protect the axial face seal, the pump must not run dry.

- Close both isolating valves and open the vent screw (Fig. 2, 5) by one and a half or two turns.
- Slowly open the isolating valve (Fig. 2, 2) at the inlet until the air has escaped from the vent screw and the fluid to be pumped comes out. The escaping air will be clearly heard hissing. Tighten the vent screw.
- Slowly open the isolating valve at the outlet (Fig. 2, 3). The manometer installed at the outlet should be checked for any possible pressure instabilities, indicated by a flickering manometer pointer. If the pressure is unstable, allow more air to escape.

When the temperature of the liquid being pumped is high and the system is pressurised, any flow escaping from the vent screw can cause scalding and injuries. The vent screw should therefore be loosen only slightly.

- When used for the first time, if it is to be used to pump drinking water the system must be flushed through, so that any dirty water present will not contaminate the drinking water supply.
- **Checking direction of rotation** (only for rotary current motors): Check that the pump rotates in the direction indicated by the arrow on the pump latern by switching on for a short time. If this is not the case, interchange 2 phases in the terminal box.
- For pumps with a star or triangular circuit starting current, the connections of two coils must be interchanged, e.g. U1 with V1 and U2 with V2. It is not necessary to check the direction of rotation with AC motors.
- If the fluid temperature is too high, steam may form which may damage the pump. The pump must therefore not run with the valve closed for longer than 10 minutes when pumping cold water or for longer than five minutes when pumping fluid where ϑ>60 °C.
We recommend that the flow rate does not drop to below 10 % of the nominal flow rate so as to avoid a build up of steam in the pump.
- If there is a build up of steam, this should be allowed to escape by carefully opening the vent screw.

The pump, including the motor, may reach operating temperatures of ϑ>100 °C, so care should be taken when touching the pump.

7. Maintenance

Before carrying out any maintenance work, switch off the unit and ensure that it cannot be switched on again by unauthorized people. Never carry out work on a running pump.

- During the running-in period, there may be some dripping from the axial face seal. Should a more significant leak occur as a result of substantial wear, have the axial face seal replaced by a specialist.
- Increased bearing noise and unusual vibrations indicate a worn bearing. In this case, have the bearing replaced by a specialist.
- If the pump is exposed to frost, the pump and pipework must be emptied in the cold season. Close the isolating valve and open the drain valve (Fig. 2, 6) and the vent screw (Fig. 2, 5) of the pump.

The isolating valve must be closed before the drain valve is opene

- If placed in a frost-free location, the pump does not have to be emptied, even if it is out of service for a long period.

Figures:

1. *Cross-section of the pump*
2. *Whole assembly in inlet phase with reference numbers*
3. *Drawing showing principal dimensions*
4. *Terminal connection plans*

8. Fault finding, causes and remedies

Fault	Causes	Remedy
Pump does not run	no power	check fuses, cables and connections
	motor safety switch activated	eliminate motor overload
Pump runs but does not pump	wrong direction of rotation	check direction of rotation and correct if necessary
	pipe or pump components blocked by foreign body	check and clean pipe and pump
	air in inlet pipe	seal inlet pipe
	inlet pipe too narrow	fit a larger inlet pipe
	air in the pump	open valve
Pump does not pump evenly	valve not sufficiently open	bleed the pump
Pump vibrates and is noisy	foreign body in the pump	remove foreign body
	pump not properly fixed to the base	tighten anchor bolts
	bearing damaged	consult customer services
Motor overheats, motor cut-out activates	one phase interrupted	check fuses, cables and connections
	pump sluggish: foreign body bearing damaged	 clean pump have pump repaired by customer services
	ambient temperature too high	provide cooling

If the fault cannot be remedied, please contact your plumbing and heating specialist or WILO customer services.

Subject to technical alterations.

EG KONFORMITÄTSERKLÄRUNG
EC DECLARATION OF CONFORMITY
DECLARATION DE CONFORMITE CE

Als Hersteller erklären wir hiermit, dass die Pumpenbauarten der Baureihen
We, the manufacturer, declare that the pump types of the series
Nous, fabricant, déclarons que les types de pompes des séries

Wilo-Multivert
MVI 1 / 2 / 4 / 8 / 70 / 95

(Die Seriennummer ist auf dem Typenschild des Produktes nach Punkten b) & c) von §1.7.4.2 und §1.7.3 des Anhanges I der Maschinenrichtlinie angegeben. / The serial number is marked on the product site plate according to points b) & c) of §1.7.4.2 and §1.7.3 of the annex I of the Machinery directive. / Le numéro de série est inscrit sur la plaque signalétique du produit en accord avec les points b) & c) du §1.7.4.2 et du §1.7.3

in der gelieferten Ausführung folgenden einschlägigen Bestimmungen entsprechen :
In their delivered state comply with the following relevant directives :
dans leur état de livraison sont conformes aux dispositions des directives suivantes :

_ Maschinenrichtlinie 2006/42/EG
_ *Machinery 2006/42/EC*
_ *Machines 2006/42/CE*
und gemäss Anhang 1, §1.5.1, werden die Schutzziele der Niederspannungsrichtlinie 2006/95/EG eingehalten,
and according to the annex 1, §1.5.1, comply with the safety objectives of the Low Voltage Directive 2006/95/EC.
et, suivant l'annexe 1, §1.5.1, respectent les objectifs de sécurité de la Directive Basse Tension 2006/95/CE.

_ Elektromagnetische Verträglichkeit-Richtlinie 2004/108/EG
_ *Electromagnetic compatibility 2004/108/EC*
_ *Compabilité électromagnétique 2004/108/CE*

_ Richtlinie energieverbrauchsrelevanter Produkte 2009/125/EG
_ *Energy-related products 2009/125/EC*
_ *Produits liés à l'énergie 2009/125/CE*
Nach den Ökodesign-Anforderungen der Verordnung 640/2009 für Ausführungen mit einem einstufigen Dreiphasen - 50Hz - Käfigläufer - Induktionselektromotor / Nach den Ökodesign-Anforderungen der Verordnung 547/2012 für Wasserpumpen,
This applies according to eco-design requirements of the regulation 640/2009 to the versions with an induction electric motor, squirrel cage, three-phase, single speed, running at 50Hz / This applies according to eco-design requirements of the regulation 547/2012 for water pumps,
suivant les exigences d'éco-conception du règlement 640/2009 aux versions comportant un moteur électrique à induction à cage d'écureuil, triphasé, mono-vitesse, fonctionnant à 50Hz / suivant les exigences d'éco-conception du règlement 547/2012 pour les pompes à eau

und entsprechender nationaler Gesetzgebung,
and with the relevant national legislation,
et aux législations nationales les transposant,

sowie auch den Bestimmungen zu folgenden harmonisierten europäischen Normen :
comply also with the following relevant harmonized European standards :
sont également conformes aux dispositions des normes européennes harmonisées suivantes :

EN 809+A1
EN ISO 12100
EN 60034-1
EN 60204-1

Bevollmächtigter für die Zusammenstellung der technischen Unterlagen ist:
Person authorized to compile the technical file is :
Personne autorisée à constituer le dossier technique est :

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(CE-A-S n°4145427)

F_GQ_013-05

(BG) - български език
ДЕКЛАРАЦИЯ ЗА СЪОТЕТСТВИЕ ЕО

WILO SE декларират, че продуктите посочени в настоящата декларация съответстват на разпоредбите на следните европейски директиви и приелите ги национални законодателства:

Машини 2006/42/ЕО ; Електромагнитна съвместимост 2004/108/ЕО ; Продукти, свързани с енергопотреблението 2009/125/ЕО

както и на хармонизираните европейски стандарти, упоменати на предишната страница.

(CS) - Čeština
ES PROHLÁŠENÍ O SHODĚ

WILO SE prohlašuje, že výrobky uvedené v tomto prohlášení odpovídají ustanovením níže uvedených evropských směrnic a národním právním předpisům, které je přejímají:

Stroje 2006/42/ES ; Elektromagnetická Kompatibilita 2004/108/ES ; Výrobků spojených se spotřebou energie 2009/125/ES

a rovněž splňují požadavky harmonizovaných evropských norem uvedených na předcházející stránce.

(DA) - Dansk
EF-OVERENSSTEMMELSESERKLÆRING

WILO SE erklærer, at produkterne, som beskrives i denne erklæring, er i overensstemmelse med bestemmelserne i følgende europæiske direktiver, samt de nationale lovgivninger, der gennemfører dem:

Maskiner 2006/42/EF ; Elektromagnetisk Kompatibilitet 2004/108/EF ; Energirelaterede produkter 2009/125/EF

De er ligeledes i overensstemmelse med de harmoniserede europæiske standarder, der er anført på forrige side.

(EL) - Ελληνικά
ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΚ

WILO SE δηλώνει ότι τα προϊόντα που ορίζονται στην παρούσα ευρωπαϊκά δήλωση είναι σύμφωνα με τις διατάξεις των παρακάτω οδηγιών και τις εθνικές νομοθεσίες στις οποίες έχει μεταφερθεί:

Μηχανήματα 2006/42/ΕΚ ; Ηλεκτρομαγνητικής συμβατότητας 2004/108/ΕΚ ; Συνδεόμενα με την ενέργεια προϊόντα 2009/125/ΕΚ

και επίσης με τα εξής εναρμονισμένα ευρωπαϊκά πρότυπα που αναφέρονται στην προηγούμενη σελίδα.

(ES) - Español
DECLARACIÓN CE DE CONFORMIDAD

WILO SE declara que los productos citados en la presenta declaración están conformes con las disposiciones de las siguientes directivas europeas y con las legislaciones nacionales que les son aplicables :

Máquinas 2006/42/CE ; Compatibilidad Electromagnética 2004/108/CE ; Productos relacionados con la energía 2009/125/CE

Y igualmente están conformes con las disposiciones de las normas europeas armonizadas citadas en la página anterior.

(ET) - Eesti keel
EÜ VASTAVUSDEKLARATSIOONI

WILO SE kinnitab, et selles vastavustunnistuses kirjeldatud tooted on kooskõlas alljärgnevate Euroopa direktiivide sätetega ning riiklike seadusandlustega, mis nimetatud direktiivid üle on võtnud:

Masinad 2006/42/EÜ ; Elektromagnetilist Ühilduvust 2004/108/EÜ ; Energiamõjuga toodete 2009/125/EÜ

Samuti on tooted kooskõlas eelmisel leheküljel ära toodud harmoniseeritud Euroopa standarditega.

(FI) - Suomen kieli
EY-VAATIMUSTENMUKAISUUSVAKUUTUS

WILO SE vakuuttaa, että tässä vakuutuksessa kuvatut tuotteet ovat seuraavien eurooppalaisten direktiivien määräysten sekä niihin sovellettavien kansallisten lakiasetusten mukaisia:

Koneet 2006/42/EY ; Sähkömagneettinen Yhteensopivuus 2004/108/EY ; Energiaan liittyvien tuotteiden 2009/125/EY

Lisäksi ne ovat seuraavien edellisellä sivulla mainittujen yhdenmukaistettujen eurooppalaisten normien mukaisia.

(HR) - Hrvatski
EZ IZJAVA O SUKLADNOSTI

WILO SE izjavljuje da su proizvodi navedeni u ovoj izjavi u skladu sa sljedećim prihvaćenim europskim direktivama i nacionalnim zakonima:

EZ smjernica o strojevima 2006/42/EZ ; Elektromagnetna kompatibilnost - smjernica 2004/108/EZ ; Smjernica za proizvode relevantne u pogledu potrošnje energije 2009/125/EZ

i usklađenim europskim normama navedenim na prethodnoj stranici.

(HU) - Magyar
EK-MEGFELELŐSÉGI NYILATKOZAT

WILO SE kijelenti, hogy a jelen megfelelőségi nyilatkozatban megjelölt termékek megfelelnek a következő európai irányelvek előírásainak, valamint azok nemzeti jogrendbe átültetett rendelkezéseinek:

Gépek 2006/42/EK ; Elektromágneses összeférhetőségre 2004/108/EK ; Energiával kapcsolatos termékek 2009/125/EK

valamint az előző oldalon szereplő, harmonizált európai szabványoknak.

(IT) - Italiano
DICHIARAZIONE CE DI CONFORMITÀ

WILO SE dichiara che i prodotti descritti nella presente dichiarazione sono conformi alle disposizioni delle seguenti direttive europee nonché alle legislazioni nazionali che le traspongono :

Macchine 2006/42/CE ; Compatibilità Elettromagnetica 2004/108/CE ; Prodotti connessi all'energia 2009/125/CE

E sono pure conformi alle disposizioni delle norme europee armonizzate citate a pagina precedente.

(LT) - Lietuvių kalba
EB ATITIKTIES DEKLARACIJA

WILO SE pareiškia, kad šioje deklaracijoje nurodyti gaminiai atitinka šių Europos direktyvų ir jas perkeliančių nacionalinių įstatymų nuostatus:

Mašinos 2006/42/EB ; Elektromagnetinis Suderinamumas 2004/108/EB ; Energija susijusiems gaminiams 2009/125/EB

ir taip pat harmonizuotas Europas normas, kurios buvo cituotos ankstesniame puslapyje.

(LV) - Latviešu valoda
EK ATBILSTĪBAS DEKLARĀCIJU

WILO SEdeklarē, ka izstrādājumi, kas ir nosaukti šajā deklarācijā, atbilst šeit uzskaitīto Eiropas direktīvu nosacījumiem, kā arī atsevišķu valstu likumiem, kuros tie ir ietverti:

Mašīnas 2006/42/EK ; Elektromagnētiskās Saderības 2004/108/EK ; Enerģiju saistītiem ražojumiem 2009/125/EK

un saskaņotajiem Eiropas standartiem, kas minēti iepriekšējā lappusē.

(MT) - Malti
DIKJARAZZJONI KE TA' KONFORMITÀ

WILO SE jiddikjara li l-prodotti speċifikati f'din id-dikjarazzjoni huma konformi mad-direttivi Ewropej li jsegwu u mal-leġislazzjonijiet nazzjonali li japplikawhom:

Makkinarju 2006/42/KE ; Kompatibbiltà Elettromanjetika 2004/108/KE ; Prodotti relatati mal-enerġija 2009/125/KE

kif ukoll man-normi Ewropej armoniżżati li jsegwu imsemmija fil-paġna preċedenti.

(NL) - Nederlands
EG-VERKLARING VAN OVEREENSTEMMING

WILO SE verklaart dat de in deze verklaring vermelde producten voldoen aan de bepalingen van de volgende Europese richtlijnen evenals aan de nationale wetgevingen waarin deze bepalingen zijn overgenomen:

Machines 2006/42/EG ; Elektromagnetische Compatibiliteit 2004/108/EG ; Energiegerelateerde producten 2009/125/EG

De producten voldoen eveneens aan de geharmoniseerde Europese normen die op de vorige pagina worden genoemd.

(NO) - Norsk
EU-OVERENSSTEMMELSESERKLAEING

WILO SE erklærer at produktene nevnt i denne erklæringen er i samsvar med følgende europeiske direktiver og nasjonale lover:

EG–Maskindirektiv 2006/42/EG ; EG–EMV–Elektromagnetisk kompatibilitet 2004/108/EG ; Direktiv energirelaterte produkter 2009/125/EF

og harmoniserte europeiske standarder nevnt på forrige side.

(PL) - Polski
DEKLARACJA ZGODNOŚCI WE

WILO SE oświadcza, że produkty wymienione w niniejszej deklaracji są zgodne z postanowieniami następujących dyrektyw europejskich i transponującymi je przepisami prawa krajowego:

Maszyn 2006/42/WE ; Kompatybilności Elektromagnetycznej 2004/108/WE ; Produktów związanych z energią 2009/125/WE

oraz z nastepującymi normami europejskich zharmonizowanymi podanymi na poprzedniej stronie.

(PT) - Português
DECLARAÇÃO CE DE CONFORMIDADE

WILO SE declara que os materiais designados na presente declaração obedecem às disposições das directivas europeias e às legislações nacionais que as transcrevem :

Máquinas 2006/42/CE ; Compatibilidade Electromagnética 2004/108/CE ; Produtos relacionados com o consumo de energia 2009/125/CE

E obedecem também às normas europeias harmonizadas citadas na página precedente.

(RO) - Română
DECLARAŢIE DE CONFORMITATE CE

WILO SE declară că produsele citate în prezenta declaraţie sunt conforme cu dispoziţiile directivelor europene următoare şi cu legislaţiile naţionale care le transpun :

Maşini 2006/42/CE ; Compatibilitate Electromagnetică 2004/108/CE ; Produselor cu impact energetic 2009/125/CE

şi, de asemenea, sunt conforme cu normele europene armonizate citate în pagina precedentă.

(RU) - русский язык
Декларация о соответствии Европейским нормам

WILO SE заявляет, что продукты, перечисленные в данной декларации о соответствии, отвечают следующим европейским директивам и национальным предписаниям:

Директива ЕС по машинному оборудованию 2006/42/EC ; Директива ЕС по электромагнитной совместимости 2004/108/EC ; Директива о продукции, связанной с энергопотреблением 2009/125/EC

и гармонизированным европейским стандартам, упомянутым на предыдущей странице.

(SK) - Slovenčina
ES VYHLÁSENIE O ZHODE

WILO SE čestne prehlasuje, že výrobky ktoré sú predmetom tejto deklarácie, sú v súlade s požiadavkami nasledujúcich európskych direktív a odpovedajúcich národných legislatívnych predpisov:

Strojových zariadeniach 2006/42/ES ; Elektromagnetickú Kompatibilitu 2004/108/ES ; Energeticky významných výrobkov 2009/125/ES

ako aj s harmonizovanými európskych normami uvedenými na predchádzajúcej strane.

(SL) - Slovenščina
ES-IZJAVA O SKLADNOSTI

WILO SE izjavlja, da so izdelki, navedeni v tej izjavi, v skladu z določili naslednjih evropskih direktiv in z nacionalnimi zakonodajami, ki jih vsebujejo:

Stroji 2006/42/ES ; Elektromagnetno Združljivostjo 2004/108/ES ; Izdelkov, povezanih z energijo 2009/125/ES

pa tudi z usklajenimi evropskih standardi, navedenimi na prejšnji strani.

(SV) - Svenska
EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

WILO SE intygar att materialet som beskrivs i följande intyg överensstämmer med bestämmelserna i följande europeiska direktiv och nationella lagstiftningar som inför dem:

Maskiner 2006/42/EG ; Elektromagnetisk Kompatibilitet 2004/108/EG ; Energirelaterade produkter 2009/125/EG

Det överensstämmer även med följande harmoniserade europeiska standarder som nämnts på den föregående sidan.

(TR) - Türkçe
CE UYGUNLUK TEYID BELGESI

WILO SEbu belgede belirtilen ürünlerin aşağıdaki Avrupa yönetmeliklerine ve ulusal kanunlara uygun olduğunu beyan etmektedir:

Makine Yönetmeliği 2006/42/AT ; Elektromanyetik Uyumluluk Yönetmeliği 2004/108/AT ; Eko Tasarım Yönetmeliği 2009/125/AT

ve önceki sayfada belirtilen uyumlaştırılmış Avrupa standartlarına.

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