

SP

Safety instructions and other important information



SP

Installation and operating instructions
Other languages
<http://net.grundfos.com/qr/i/98074911>

SP

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English (GB) Safety instructions

■ Original safety instructions

These safety instructions give a quick overview of the safety precautions to be taken in connection with any work on this product.

Observe these safety instructions during handling, installation, operation, maintenance, service and repair of this product.

These safety instructions are a supplementary document, and all safety instructions will appear again in the relevant sections of the installation and operating instructions.

Keep these safety instructions at the installation site for future reference.

General Information



Read this document and the online version of the installation and operating instructions before installing the product. Installation and operation must comply with local regulations and accepted codes of good practice.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

Handling



WARNING

Crushing of feet

Death or serious personal injury

- Stack the pumps with the biggest at the bottom, and do not stack above 1 m.
- Use lifting equipment which is approved for the weight of the product.
- Wear personal protective equipment.



WARNING

Crushing of hands

Death or serious personal injury

- Stack the pumps with the biggest at the bottom, and do not stack above 1 m.
- Use lifting equipment which is approved for the weight of the product.



Store the pump in the package until it is ready for installation.

Handle the pump with care.



Fix the extra nameplate supplied with the pump at the installation site.

Storage



If MMS motors are stored, the shaft must be turned by hand at least once a month. If a motor has been stored for more than one year before installation, the rotating parts of the motor must be dismantled and checked before use.

Pumped liquids



When pumping liquids with a density higher than water ($998-1000 \text{ kg/m}^3$), motors with correspondingly higher outputs must be used.

Installation requirements

DANGER

Electric shock

Death or serious personal injury



- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.



WARNING

Crushing of feet

Death or serious personal injury

- When lifting the pump out of the box, use lifting equipment which is approved for the weight of the product.
- Wear personal protective equipment.



WARNING

Crushing of hands

Death or serious personal injury

- When lifting the pump out of the box, use lifting equipment which is approved for the weight of the product.
- Wear personal protective equipment.



Unless the requirements in the section on frequency converter operation MS6000P are met, the use of a sine-wave filter is mandatory when operating an SPE pump set.



Grundfos recommends fitting a 30 cm long pipe to the pump to facilitate handling of the pump during installation.

Checking the motor liquid



Check the level of motor liquid and refill if required. Use tap water.



If frost protection is required, special Grundfos liquid must be used to refill the motor. Otherwise tap water may be used for refilling; however refill liquid as described below.

Grundfos MMS6, MMS8000, MMS10000 and MMS12000 motors



Do not use motor liquid that contains oil.



Before fitting the motor to a pump after a long period of storage, lubricate the shaft seal by adding a few drops of water and turning the shaft.

Positional requirements



WARNING

Crushing of hands

Death or serious personal injury



- If the pump is to be installed in a position where it is accessible, the coupling must be suitably isolated from human touch. The pump can for instance be built into a flow sleeve.

Motors suitable for horizontal installation



CAUTION

Hot surface

Minor or moderate personal injury



- If the pump is used for pumping hot liquids (40 to 60 °C), make sure that persons cannot come into contact with the pump and the installation, e.g. by installing a guard.

! During operation, the suction interconnector of the pump must always be completely submerged in the liquid. Make sure that the NPSH values are fulfilled.

Liquid temperatures and motor cooling

! In cases where the stated flow velocity cannot be achieved, a flow sleeve must be installed.

Flow velocity formula

! For 37 kW MMS6 (only PVC windings), 110 kW MMS8000 and 170 kW MMS10000, the maximum liquid temperature is 5 °C lower than the values stated in the above table. For 190 kW MMS10000, 220-250 kW MMS12000/50 Hz and MMS12000/60 Hz, the temperature is 10 °C lower.

Pipe connection

! Plastic pipes are recommended for 4" pumps only.

WARNING

Hot liquid

Death or serious personal injury



- Use pipes designed for the maximum pump pressure plus 10 % to avoid pipe burst.
- Make sure that the plastic pipes are suitable for the actual liquid temperature.

Electrical connection

DANGER

Electric shock

Death or serious personal injury



- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.

DANGER

Electric shock

Death or serious personal injury



- The pump must be earthed.
- The pump must be connected to an external main switch and shall be provided with a means permitting it to be locked in the OFF (isolated) position. Type and requirements as specified in EN 60204-1, 5.3.2.



The electrical connection must be carried out by an authorised person in accordance with local regulations.

Single-phase motors

DANGER

Electric shock

Death or serious personal injury



- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.

DANGER

Electric shock

Death or serious personal injury



- The pump must be connected to protective earth.
- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.

Required settings of motor-protective circuit breaker



If this requirement is not met, the motor warranty will be invalidated.

Cable sizing



Submersible motor cables are dimensioned for submersion in liquid, and will not necessarily have sufficient cross-section to be in free air.

Control of single-phase MS402 motors



The single-phase MS402 motors smaller than 1.1 kW incorporate motor protection which cuts out the motor in case of excessive winding temperatures while the motor is still supplied with voltage. Allow for this, when the motor forms part of a control system.

Checking the direction of rotation



The pump must not be started until the suction interconnector has been completely submerged in the liquid.

Frequency converter operation



During frequency converter operation, it is not advisable to run the motor at a frequency higher than the rated frequency (50 or 60 Hz). In connection with pump operation, it is important never to reduce the frequency (and consequently the speed) to such a level that the necessary flow of cooling liquid past the motor is no longer ensured.



To enable the monitoring of the motor temperature, Grundfos recommend that Pt100 or Pt1000 sensor is installed.



If an MS motor with temperature transmitter is connected to a frequency converter, a fuse incorporated in the transmitter will melt and the transmitter will be inactive. The transmitter cannot be reactivated. This means that the motor will operate like a motor without a temperature transmitter.

SPE and sine-wave filter



- Local and national requirements regarding safety, EMI, etc., must always be followed and can demand filtering due to, for instance, noise suppression.
- Cables and other system components must be properly rated for VFD use.
- If the cables are longer than 300 m/1000 ft and/or the grid voltage is higher than 460 V, a sine-wave filter must still be used.

Mechanical installation



WARNING

Sharp element

Death or serious personal injury



- When mounting the facilitating pipe, wear personal protective equipment to avoid cutting on sharp edges on the pump.



WARNING

Contamination when pumping drinking water

Death or serious personal injury



- Before the pump is used for supplying drinking water, flush the pump thoroughly with clean water.
- Do not use the pump for drinking water if the internal parts have been in contact with particles or substances not suitable for water intended for human consumption.



The pump must be installed according to national water regulations and standards.



Be careful not to bend or damage long pump sets, when moving them from horizontal to vertical positions.

Removing and fitting the cable guard



Make sure that the pump chambers are aligned when the cable guard has been fitted.

Riser pipe



WARNING **Sharp element**

Death or serious personal injury

- When mounting the riser pipe, wear personal protective equipment to avoid cutting on sharp edges on the pump.



Plastic pipes are recommended for 4" pumps only.

Placing in borehole



WARNING

Crushing of hands and feet

Death or serious personal injury

- Stay clear of the wire and cable during placement in borehole.

Lowering the pump



DANGER

Electric shock

Death or serious personal injury

- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.



Do not lower or lift the pump by means of the motor cable.

Installation depth



For pumps fitted with plastic pipes, the expansion of the pipes when loaded must be taken into consideration, when deciding on the installation depth of the pump.

Startup and operation



DANGER

Electric shock

Death or serious personal injury

- The pump must be connected to protective earth.
- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.

Startup



Long time of operation with water containing air may damage the pump and cause insufficient cooling of the motor.

Service



DANGER

Electric shock

Death or serious personal injury

- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.



DANGER

Toxic or radioactive liquid

Death or serious personal injury

- If a pump has been used for a liquid which is injurious to health or toxic, the pump will be classified as contaminated.



WARNING

Sharp element

Death or serious personal injury

- For service - see service instructions. Must be performed by qualified persons.

SPE

The following is only valid for SPE pump sets.



DANGER

Magnetic field

Death or serious personal injury

- Do not handle the rotor if having a pacemaker.



DANGER

Crushing of hands

Death or serious personal injury

- Keep the rotor surroundings free of magnetic objects and be careful when placing the rotor on a magnetic surface.



DANGER

Electric shock

Death or serious personal injury

- Make sure that motor cable ends are not live before starting work on the product.
- Make sure that the power supply cannot be accidentally switched on.

Fault finding



DANGER

Electric shock

Death or serious personal injury

- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.



DANGER

Toxic or radioactive liquid

Death or serious personal injury

- If a pump has been used for a liquid which is injurious to health or toxic, the pump will be classified as contaminated.

SPE

The following is only valid for SPE pump sets.



DANGER

Magnetic field

Death or serious personal injury

- Do not handle the rotor if having a pacemaker.



DANGER

Crushing of hands

Death or serious personal injury

- Keep the rotor surroundings free of magnetic objects and be careful when placing the rotor on a magnetic surface.

DANGER**Electric shock**

Death or serious personal injury



- Make sure that motor cables ends are not live before starting work on the product.
- Make sure that the power supply cannot be accidentally switched on.

Checking motor and cable**DANGER****Electric shock**

Death or serious personal injury



- Switch off the power supply before starting any work on the product.
- Make sure that the power supply cannot be accidentally switched on.

SPE

The following is only valid for SPE pump sets.

DANGER**Electric shock**

Death or serious personal injury



- Make sure that motor cables ends are not live before starting work on the product.
- Make sure that the power supply cannot be accidentally switched on.

In case of unintended flow of water through a non-energized pump there is a risk that the moving parts of the pump and the motor will start rotating, thereby generating voltage over the terminals. The size of the voltage depends on the speed of rotation. Due to this the motor terminals must be considered as live until proven otherwise.

Disposing of hazardous or toxic materials**DANGER****Toxic or radio active liquid**

Death or serious personal injury



- If a pump has been used for a liquid which is injurious to health or toxic, the pump will be classified as contaminated.

Disposing of the product

This product or parts of it must be disposed of in an environmentally sound way:

1. Use the public or private waste collection service.
2. If this is not possible, contact the nearest Grundfos company or service workshop.



The crossed-out wheelie bin symbol on a product means that it must be disposed of separately from household waste. When a product marked with this symbol reaches its end of life, take it to a collection point designated by the local waste disposal authorities. The separate collection and recycling of such products will help protect the environment and human health. See also end-of-life information at www.grundfos.com/product-recycling.

1. 中国 RoHS

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴联苯醚 (PBDE)
泵壳	X	O	O	O	O	O
紧固件	X	O	O	O	O	O
管件	X	O	O	O	O	O
定子	X	O	O	O	O	O
转子	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 该规定的限量要求。



该产品环保使用期限为 10 年，标识如左图所示。

此环保期限只适用于产品在安装与使用说明书中所规定的条件下工作

EU declaration of conformity

GB: EU declaration of conformity

We, Grundfos, declare under our sole responsibility that the product SP, to which the declaration below relates, is in conformity with the Council Directives listed below on the approximation of the laws of the EU member states.

CZ: EU prohlášení o shodě

My společnost Grundfos prohlašujeme na svou plnou odpovědnost, že výrobek SP, na který se toto prohlášení vztahuje, je v souladu s níže uvedenými ustanoveními směrnice Rady pro sblížení právních předpisů členských států Evropské unie.

DK: EU-overensstemmelseserklæring

Vi, Grundfos, erklærer under ansvar at produktet SP som erklæringen nedenfor omhandler, er i overensstemmelse med Rådets direktiver der er nævnt nedenfor, om indbyrdes tilnærmelse til EU-medlemsstaterne lovgivning.

ES: Declaración de conformidad UE

Grundfos declara, bajo su exclusiva responsabilidad, que el producto al que concierne la presente declaración, marcado con la denominación SP, es conforme con las Directivas del Consejo que figuran a continuación, basadas en la aproximación de las legislaciones correspondientes de los Estados miembros de la UE.

FR : Déclaration de conformité UE

Nous, Grundfos, déclarons sous notre entière responsabilité que le produit SP, auquel la déclaration ci-dessous fait référence, est conforme aux directives du Conseil répertoriées ci-dessous, concernant le rapprochement des législations des États membres de l'UE.

HR: EU Izjava o usklađenosti

Mi, Grundfos, izjavljujemo s punom odgovornošću da je proizvod SP na koja se izjava odnosi u nastavku, u skladu s direktivama Vijeća dolje navedenih o usklađivanju zakona država članica EZ-a/EU-a.

IT: Dichiarazione di conformità UE

Grundfos dichiara sotto la sua esclusiva responsabilità che il prodotto SP, al quale si riferisce questa dichiarazione, è conforme alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri UE.

LV: ES atbilstības deklarācija

Uzņēmums Grundfos ar pilnu atbildību paziņo, ka produkts SP, uz kuru attiecas tālāk redzamā deklarācija, atbilst tālāk norādītajām Padomes direktīvām par ES dalībvalstu normatīvo aktu tuvināšanu.

PL: Deklaracja zgodności WE

Firma Grundfos oświadczycia z pełną odpowiedzialnością, że jej produkt SP, którego dotyczy niniejsza deklaracja, jest zgodny z następującymi dyrektywami Rady w sprawie zbliżenia przepisów prawnych państw członkowskich UE.

RO: Declarație de conformitate UE

Subscrisa, Grundfos, declară pe propria răspundere că produsul SP, la care se referă declarația de mai jos, este în conformitate cu Directivele Consiliului enumerate mai jos privind aplicarea legii statelor membre UE.

RU: Декларация о соответствии нормам EC

Мы, компания Grundfos, со всей ответственностью заявляем, что изделие SP, к которому относится нижеприведённая декларация, соответствует нижеприведённым Директивам Совета Европейского Союза о тождественности законов стран-членов EC.

SI: Izjava o skladnosti EU

V Grundfusu s polno odgovornostjo izjavljamo, da so izdelki SP, na katere se spodnja izjava nanaša, v skladu s spodnjimi direktivami Sveta o približevanju zakonodaje za izenačevanje pravnih predpisov držav članic EU.

BG: Декларация за съответствие на EC

Ние, Grundfos, декларираме с пълната си отговорност, че продуктът SP, за който се отнася настоящата декларация, отговаря на следните директиви на Съвета за уеднаквяване на правните разпоредби на държавите-членки на ЕС.

DE: EU-Konformitätserklärung

Wir, Grundfos, erklären in alleiniger Verantwortung, dass das Produkt SP, auf das sich diese Erklärung bezieht, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EG-/EU-Mitgliedsstaaten übereinstimmt.

EE: ELI vastavusdeklaratsioon

Meie, Grundfos, kinnitame ja kanname ainuisikulist vastutust selle eest, et toode SP, mille kohta allolev deklaratsioon kääb, on kooskõlas Nõukogu Direktiividega, mis on nimetatud allpool vastavalt vastuvõetud õigusaktidele ühtiustamise kohta EÜ/ELI liikmesriikides.

FI: EY-vaatimustenmukaisuusvakuutus

Grundfos vakuuttaa omalla vastuullaan, että tuote SP, jota tämä vakuutus koskee, on EU:n jäsenvaltioiden lainsäädännön lähetämiseen tähtäävien Euroopan neuvoston direktiivien vaatimusten mukainen seuraavasti.

GR: Δήλωση συμμόρφωσης ΕΕ

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι το προϊόν SP, στο οποίο αναφέρεται η παρακάτω δήλωση, συμμορφώνεται με τις παρακάτω Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΕ.

HU: EU megfelelőségi nyilatkozat

Mi, a Grundfos vállalat, teljes felelősséggel kijelentjük, hogy a(z) SP termék, amelyre az alábbi nyilatkozat vonatkozik, megfelel az Európai Unió tagállamainak jogi irányelveit összehangoló tanács alábbi előírásainak.

LT: ES atitikties deklaracija

Mes „Grundfos“, su visa atsakomybe pareiškiame, kad produktas SP, kuriam skirta ši deklaracija, atitinka toliau nurodytas Tarybos Direktyvas dėl ES šalių įstatymų suderinimo.

NL: EC Conformiteitsverklaring

Wij, Grundfos, verklaren geheel onder eigen verantwoordelijkheid dat product SP, waarop de onderstaande verklaring betrekking heeft, in overeenstemming is met de onderstaande Richtlijnen van de Raad inzake de onderlinge aanpassing van de wetgeving van de EU-lidstaten.

PT: Declaração de conformidade UE

A Grundfos declara sob sua única responsabilidade que o produto SP, ao qual diz respeito a declaração abaixo, está em conformidade com as Diretivas do Conselho sobre a aproximação das legislações dos Estados Membros da UE.

SR: EU deklaracija o usklađenosti

Mi, Grundfos, izjavljujemo na našu isključivu odgovornost da je proizvod SP, na koji se dole navedena deklaracija odnosi, u skladu sa dole navedenim Direktivama Saveta o usklađivanju zakona zemalja članica EU.

SE: EU-försäkran om överensstämmelse

Vi, Grundfos, försäkrar under ansvar att produkten SP, som omfattas av nedanstående försäkran, är i överensstämmelse med de rådsdirektiv om inbördes närmande till EU-medlemsstaternas lagstiftning som listas nedan.

SK: EÚ vyhlášenie o zhode

My, spoločnosť Grundfos, vyhlasujeme na svoju plnú zodpovednosť, že produkt SP, na ktorý sa vyhlásenie uvedené nižšie vzťahuje, je v súlade s ustanoveniami nižšie uvedených smerníc Rady pre zblíženie právnych predpisov členských štátov EÚ.

TR: AB uygunluk beyanı

Grundfos olarak, aşağıdaki bildirim konusu olan SP ürünlerinin, AB üye ülkelerinin direktiflerinin yaklaştırılmasıyla ilgili aşağıdaki Konsey Direktifleriyle uyumlu olduğunu ve bununla ilgili olarak tüm sorumluluğunu bize ait olduğunu beyan ederiz.

CN:欧盟符合性声明

我们，格兰富，在我们的全权责任下声明，产品SP，即本声明所指之产品，符合欧盟使其成员国法律趋于一致的以下理事会指令。

VI: Tuyên bố tuân thủ EU

Chúng tôi, Grundfos, tuyên bố trong phạm vi trách nhiệm duy nhất của mình rằng sản phẩm SP mà tuyên bố dưới đây có liên quan, tuân thủ các Chỉ thị Hội đồng sau về việc áp dụng luật pháp của các nước thành viên EU.

Submersible pump

- Machinery Directive (2006/42/EC). Standard used:
EN 809:1998 + A1:2009.
- Low Voltage Directive (2014/35/EU). Standards used:
EN 60204-1:2018
EN 60335-1:2012 + A11:2014
EN 60335-2-41:2003 + A1:2004 + A2:2010
- EMC Directive (2014/30/EU).
Standards used:
EN 60034-1:2010
EN 55011:2009+A1:2010
(Applies only to motors with Tempcon sensors.)
- Ecodesign Directive (2009/125/EC).
Water pumps:
Commission Regulation No 547/2012.
Applies only to water pumps marked with the minimum efficiency index MEI. See pump nameplate.
Applies from 22.07.2019.
- RoHS Directives (2011/65/EU and 2015/863/EU) Standard used:
EN IEC 63000:2018

SP bare shaft pump

- Machinery Directive (2006/42/EC).
Standard used:
EN 809:1998 + A1:2009.
- Ecodesign Directive (2009/125/EC).
Water pumps:
Commission Regulation No 547/2012.
Applies only to water pumps marked with the minimum efficiency index MEI. See pump nameplate.
Before the pump is taken into operation, the complete machinery into which the pump is to be incorporated must be declared in accordance with all relevant regulations.
Applies from 22.07.2019.
- RoHS Directives (2011/65/EU and 2015/863/EU)
Standards used:
EN IEC 63000:2018

This EC/EU declaration of conformity is only valid when published as part of the Grundfos installation and operating instructions (publication number: 98076750, 98074911 and 98074867).

Bjerringbro, 16th of March 2021



Frank S. Madsen
Capability Manager, Electronics
Grundfos Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark
www.grundfos.com

Person authorised to compile technical file and empowered to sign the EU declaration of conformity.

UK declaration of conformity

UK declaration of conformity

We, Grundfos, declare under our sole responsibility that the products to which the declaration below relates, are in conformity with UK regulations, standards and specifications to which conformity is declared, as listed below:

Valid for products:

Submersible pump

- Supply of Machinery (Safety) Regulations 2008
Standards used: EN 809 + A1:2009
- Electrical Equipment (Safety) Regulations 2016
Standards used: EN 60204-1:2018, EN 60335-1:2012 + A11:2014, EN 60335-2-41:2003 + A1:2004 + A2:2010
- Electromagnetic Compatibility Regulations 2016
Standards used: EN 60034-1:2010, EN 55011:2009 + A1:2010
(Applies only to motors with Tempcon sensors.)
- The Ecodesign for Energy-related Products and Energy Information Regulations 2019
Water pumps:
Regulation (EU) No 547/2012
Applies only to water pumps marked with the minimum efficiency index MEI. See pump nameplate.
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2019
Standard used: EN IEC 63000:2018

Bare shaft pump

- Supply of Machinery (Safety) Regulations 2008
Standards used: EN 809 + A1:2009
- Electrical Equipment (Safety) Regulations 2016
Standards used: EN 60204-1:2018, EN 60335-1:2012 + A11:2014, EN 60335-2-41:2003 + A1:2004 + A2:2010
- Electromagnetic Compatibility Regulations 2016
Standards used: EN 60034-1:2010, EN 55011:2009 + A1:2010
(Applies only to motors with Tempcon sensors.)
- The Ecodesign for Energy-related Products and Energy Information Regulations 2019
Water pumps:
Regulation (EU) No 547/2012
Applies only to water pumps marked with the minimum efficiency index MEI. See pump nameplate.
Before the pump is taken into operation, the complete machinery into which the pump is to be incorporated must be declared in accordance with all relevant regulations.
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2019
Standard used: EN IEC 63000:2018

This UK declaration of conformity is only valid when accompanying Grundfos instructions.

UK Importer: Grundfos Pumps Ltd. Grovebury Road, Leighton Buzzard, LU7 4TL.

Bjerringbro, 16/March/2021



Frank S. Madsen
Capability Manager, Electronics
Grundfos Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark
www.grundfos.com

Manufacturer and person empowered to sign the UK declaration of conformity.

10000336541

Moroccan declaration of conformity

**GB: Moroccan declaration of conformity**

We, Grundfos, declare under our sole responsibility that the products to which the declaration below relates, are in conformity with Moroccan laws, orders, standards and specifications to which conformity is declared, as listed below:

Valid for products:

SP, SPA

Law No 24-09, 2011 Safety of products and services and the following orders:

Order No 2573-14, 2015 Safety Requirements for Low Voltage Electrical Equipment

Standards used: IEC 60204-1:2016, NM EN 60335-2-41:2013

Order No 2574-14, 2015 Electromagnetic Compatibility

Standards used: NM EN 60034-1:2019, NM EN 55011:2015

This Moroccan declaration of conformity is only valid when accompanying Grundfos instructions.

**FR: Déclaration de conformité marocaine**

Nous, Grundfos, déclarons sous notre seule responsabilité que les produits auxquels se réfère cette déclaration, sont conformes aux lois, ordonnances, normes et spécifications marocaines pour lesquelles la conformité est déclarée, comme indiqué ci-dessous :

Valable pour les produits Grundfos :

SP, SPA

Sécurité des produits et services, loi n° 24-09, 2011 et décrets suivants :

Exigences de sécurité pour les équipements électriques basse tension, ordonnance n° 2573-14, 2015

Normes utilisées : IEC 60204-1:2016, NM EN 60335-2-41:2013

Compatibilité électromagnétique, ordonnance n° 2574-14, 2015

Normes utilisées : NM EN 60034-1:2019, NM EN 55011:2015

Cette déclaration de conformité marocaine est uniquement valide lorsqu'elle accompagne la notice d'installation et de fonctionnement Grundfos.

**AR: إقرار المطابقة المغربية**

نحن، جروندفوس، نقر تحت مسؤوليتنا وحدنا بأن المنتجات التي يتعلق بها الإقرار أدناه، تتوافق مع القوانين والقرارات والمعايير والمواصفات المغربية التي تم إقرار المطابقة بشأنها، كما هو موضح أدناه:

ساري على منتجات جروندفوس:

SP, SPA

قانون رقم 24-09، 2011 بشأن سلامة المنتجات والخدمات والقرارات التالية:

القرار رقم 14-2573 2015 متطلبات السلامة للمعدات الكهربائية ذات الجهد المنخفض
المعايير المستخدمة:

IEC 60204-1:2016, NM EN 60335-2-41:2013

القرار رقم 14-2574 2015 التوافق الكهرومغناطيسي
المعايير المستخدمة:

NM EN 60034-1:2019, NM EN 55011:2015

يكون إقرار المطابقة المغربي صالحًا فقط عند نشره كجزء من تعليمات جروندفوس.

Bjerringbro, 14 July 2020

Frank S. Madsen

Capability Manager, Electronics

Grundfos Holding A/S

Poul Due Jensens Vej 7

8850 Bjerringbro, Denmark

www.grundfos.com

GB: Manufacturer and person empowered to sign the Moroccan declaration of conformity.

FR: Fabricant et personne habilitée à signer la Déclaration de conformité marocaine.

AR: الجهة المصنعة والشخص المفوض بتوقيع إقرار المطابقة المغربية.

10000277791

Ukrainian declaration of conformity



GB: Ukrainian declaration of conformity

We, Grundfos, declare under our sole responsibility that the products to which the declaration below relates, are in conformity with Ukrainian resolutions, standards and specifications to which conformity is declared, as listed below:

Valid for Grundfos products:

SP, SPA & SPE

Resolution No. 1067, 2015 - Technical Regulation of Low Voltage Electrical Equipment

Resolution No. 533, 2018 - Amendments to some provisions

Standards used: ДСТУ EN 60335-1:2014, ДСТУ EN 60335-2-41:2015, ДСТУ EN 60204-1:2015

Resolution No. 62, 2013 - Technical Regulations on Safety of Machines

Resolution No. 533, 2018 - Amendments to some provisions

Standards used: ДСТУ EN 809:2015

Resolution No. 1077, 2015 - Technical Regulations on Electromagnetic Compatibility

Resolution No. 533, 2018 - Amendments to some provisions

Standards used: ДСТУ EN 60034-1:2016, ДСТУ EN 55011:2014

Resolution No. 804, 2018 - Establishing a Framework for the Setting of Ecodesign Requirements for Energy-related Products

Resolution No. 154, 2019 - Ecodesign Requirements for Water Pumps

Applies only to water pumps marked with the minimum efficiency index MEI.

Resolution No. 139, 2017 - Technical Regulations on Use of Certain Hazardous Substances in Electrical and Electronic Equipment

Standards used: ДСТУ EN IEC 63000:2020

Importer address:

LLC Grundfos Ukraine, Business Center Europe

103, Stolichne Shose, UA-03026 Kyiv, Ukraine

Phone: (+380) 44 237 0400

Email: ukraine@grundfos.com

This Ukrainian declaration of conformity is only valid when accompanying Grundfos instructions.



UA: Українська декларація відповідності

Ми, Grundfos, заявляємо про свою виключну відповідальність за те, що продукція, до якої відноситься ця декларація, відповідає вимогам українським постановам, стандартам та технічним умовам, щодо яких заявлена відповідність, як зазначено нижче:

Дійсно для продуктів Grundfos:

SP, SPA & SPE

Постанова № 1067 від 2015 р., Технічний регламент низьковольтного електричного обладнання

Постанова № 533 від 2018 р., Про внесення змін до деяких положень

Застосовані стандарти: ДСТУ EN 60335-1:2014, ДСТУ EN 60335-2-41:2015, ДСТУ EN 60204-1:2015

Постанова № 62 від 2013 р., Про затвердження Технічного регламенту безпеки машин

Постанова № 533 від 2018 р., Про внесення змін до деяких положень

Застосовані стандарти: ДСТУ EN 809:2015

Постанова № 1077 від 2015 р., Технічний регламент з електромагнітної сумісності обладнання

Постанова № 533 від 2018 р., Про внесення змін до деяких положень

Застосовані стандарти: ДСТУ EN 60034-1:2016, ДСТУ EN 55011:2014

Постанова № 804 від 2018 р., Встановлення системи для визначення вимог з екодизайну енергоспоживчих продуктів

Застосовані стандарти: ДСТУ IEC 60034-2-1:2019

Постанова № 154 від 2019 р., Вимоги до екодизайну водяних насосів

Постанова № 139 від 2017 р., Технічний регламент обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні

Застосовані стандарти: ДСТУ EN IEC 63000:2020

Адреса імпортера:

ТОВ "Грундфос Україна", Бізнес Центр "Європа"

Столичне шосе, 103, м. Київ, 03026, Україна

Телефон: (+380) 44 237 0400

Ел. пошта: ukraine@grundfos.com

Ця українська декларація відповідності дійсна лише за наявності інструкцій Grundfos.

Bjerringbro, 28/January/2022



Jan Lyngholm

Technical Product Owner, Water Utility

Grundfos Holding A/S

Poul Due Jensens Vej 7

8850 Bjerringbro, Denmark

www.grundfos.com

GB: Manufacturer and person empowered to sign the Ukrainian declaration of conformity

UA: Виробник та особа, уповноважена підписати українську декларацію відповідності

10000433446

RUS

**SP**

Руководство по эксплуатации

Руководство по эксплуатации на данное изделие является составным и включает в себя несколько частей:

Часть 1: настоящее «Руководство по эксплуатации».

Часть 2: электронная часть «Паспорт. Руководство по монтажу и эксплуатации» размещенная на сайте компании Грундфос. Перейдите по ссылке, указанной в конце документа.

Часть 3: информация о сроке изготовления, размещенная на фирменной табличке изделия.

Сведения о подтверждении соответствия:

Насосы типа SP декларированы на соответствие требованиям Технических регламентов Таможенного союза: ТР ТС 004/2011 «О безопасности низковольтного оборудования»; ТР ТС 010/2011 «О безопасности машин и оборудования»; ТР ТС 020/2011 «Электромагнитная совместимость технических средств».

KAZ

SP

Пайдалану нұсқаулығы

Осы бүйімға арналған пайдалану жөніндегі нұсқаулық құрама болып табылады және оған бірнеше бөлік кіреді:

1-Бөлім: осы «Пайдалану нұсқаулығы».

2-Бөлім: Грундфос компаниясының сайтында орналастырылған «Төлкүжат. Монтаждау және пайдалану нұсқаулығы» электрондық бөлігі. Құжаттың соңында көрсетілген сілтеме бойынша өтіңіз.

3-Бөлім: бүйімның фирмалық тақтайшасында орналастырылған өндіру мерзімі туралы ақпарат.

Сәйкестікті растау туралы мәліметтер:

SP типті сорғылар Кеден одағының Техникалық регламенттерінің талаптарына сәйкестікке декларацияланған:

КО ТР 004/2011 «Темен вольтты жабдықтың қауіпсіздігі туралы»; КО ТР 010/2011 «Машиналар мен жабдықтардың қауіпсіздігі туралы»; КО ТР 020/2011 «Техникалық құралдардың электромагниттік үйлесімділігі туралы».

KGS

SP

Пайдалануу боюнча колдонмо

Бул өнүмдү пайдалануу боюнча колдонмо курамдық болуп эсептелет жана анда бир нече бөлүк камтылган:

1-бөлүк: ушул "Пайдалануу боюнча колдонмо".

2-бөлүк: Грундфос компаниясының сайтында жайгаштырылған "Паспорт. Куроо жана пайдалануу боюнча колдонмо" электрондук бөлүгү. Документтин аяғында көрсөтүлгөн шилтемеге өтүңүз.

3-бөлүк: өнүмдүн фирмалық көрнекчесүндө көрсөтүлгөн даярдоо мөөнөтү тууралуу маалымат.

Шайкештиktи ырастoo тууралуу маалымат:

SP түрүндегу сорғысмалардын Бажы биримдигинин төмөнкү Техникалық регламенттеринин талаптарына шайкештиги декларацияланған: "Төмөнкү вольттуу жабдуунун коопсуздугу жөнүнде" ББ ТР 004/2011; "Машиналардын жана жабдуунун коопсуздугу жөнүнде" ББ ТР 010/2011; "Техникалық каражаттардын электромагниттик шайкештиги" ББ ТР 020/2011.

ARM

SP**Շահագործման վերաբերյալ ուղեցույց**

Տվյալ արտադրատեսակի շահագործման վերաբերյալ ուղեցույցը բաղադրիչ է և ներառում է մի քանի մասեր.

Մաս 1. սույն «Շահագործման վերաբերյալ ուղեցույցը»:

Մաս 2. «Ավճանագիր: Հավաքակցման և շահագործման վերաբերյալ ուղեցույց» Էլեկտրոնային մասը, որը տեղադրված է Գրունդֆոս ընկերության կայքեջում: Անցեք հղումով, որը նշված է փաստաթղթի վերջում:

Մաս 3. արտադրման ժամկետի մասին տեղեկատվություն, որը տեղակայված է արտադրատեսակի ֆիրմային ցուցանակի վրա:

Համապատասխանության հավաստման մասին տեղեկություններ.

SP կողմանից պահանջվող հայտարարագրված են Մաքսային միության Տեխնիկական կանոնակարգերի պահանջներին համապատասխանության համար. «Ցածրավոլու սարքավորումների անվտանգության մասին» (ՄՄ ՏԿ 004/2011), «Մեքենաների և սարքավորումների անվտանգության մասին» ՄՄ ՏԿ 010/2011, «Տեխնիկական միջոցների էլեկտրամագնիսական համատեղելիություն» ՄՄ ՏԿ 020/2011:



<http://net.grundfos.com/qr/i/98722342>

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ECM:	1397835

Argentina Bombas GRUNDFOS de Argentina S.A. Ruta Panamericana km. 37.500 Industin 1619 - Garín Pcia. de B.A. Tel.: +54-3327 414 444 Fax: +54-3327 45 3190	Finland OY GRUNDFOS Pumput AB Truukkijuva 1 FI-01360 Vantaa Tel.: +358-(0) 207 889 500	Lithuania GRUNDFOS Pumps UAB Smolensko g. 6 LT-03201 Vilnius Tel.: + 370 52 395 430 Fax: + 370 52 395 431	Spain Bombas GRUNDFOS España S.A. Camino de la Fuentevilla, s/n E-28110 Algete (Madrid) Tel.: +34-91-848 8800 Fax: +34-91-628 0465
Austria GRUNDFOS Pumpen Vertrieb Ges.m.b.H. Grundfosstraße 2 A-5082 Grödig/Salzburg Tel.: +43-6246-883-0 Fax: +43-6246-883-30	France Pompes GRUNDFOS Distribution S.A. Parc d'Activités de Chesnes 57, rue du Malaccombe F-38290 St. Quentin Fallavier (Lyon) Tel.: +33-4 74 82 15 15 Fax: +33-4 74 94 10 51	Malaysia GRUNDFOS Pumps Sdn. Bhd. 7 Jalan Peguan U1/25 Glenmarie Industrial Park 40150 Shah Alam, Selangor Tel.: +60-3-5569 2922 Fax: +60-3-5569 2866	Sweden GRUNDFOS AB Box 333 (Lunnagårdsgatan 6) 431 24 Mölndal Tel.: +46 31 332 23 000 Fax: +46 31 331 94 60
Belgium N.V. GRUNDFOS Bellux S.A. Boomsesteenweg 81-83 B-2630 Aartselaar Tel.: +32-3-870 7300 Fax: +32-3-870 7301	Germany GRUNDFOS GMBH Schlüterstr. 33 40699 Erkrath Tel.: +49-(0) 211 929 69-0 Fax: +49-(0) 211 929 69-3799 E-mail: infoservice@grundfos.de Service in Deutschland: kundendienst@grundfos.de	Mexico Bombras GRUNDFOS de México S.A. de C.V. Boulevard TLC No. 15 Parque industrial Stiva Aeropuerto Apodaca, NL. 66600 Tel.: +52-81-8144 4000 Fax: +52-81-8144 4010	Switzerland GRUNDFOS Pumpen AG Bruggacherstrasse 10 CH-8117 Fällanden/ZH Tel.: +41-44-806 8111 Fax: +41-44-806 8115
Bosnia and Herzegovina GRUNDFOS Sarajevo Zmaja od Bosne 7-7A BiH-71000 Sarajevo Tel.: +387 33 592 480 Fax: +387 33 590 465 www.ba.grundfos.com E-mail: grundfos@bih.net.ba	Greece GRUNDFOS Hellas A.E.B.E. 20th km. Athinon-Markopoulou Av. P.O. Box 71 GR-19002 Peania Tel.: +0030-210-66 83 400 Fax: +0030-210-66 46 273	Netherlands GRUNDFOS Netherlands Veluwezoom 35 1326 AE Almere Postbus 22015 1302 CA ALMERE Tel.: +31-88-478 6336 Fax: +31-88-478 6332 E-mail: info_gnl@grundfos.com	Taiwan GRUNDFOS Pumps (Taiwan) Ltd. 7 Floor, 219 Min-Chuan Road Taichung, Taiwan, R.O.C. Tel.: +886-4-2305 0868 Fax: +886-4-2305 0878
Brazil BOMBAS GRUNDFOS DO BRASIL Av. Humberto de Alencar Castelo Branco, 630 CEP 09850 - 300 São Bernardo do Campo - SP Tel.: +55-11 4393 5533 Fax: +55-11 4343 5015	Hong Kong GRUNDFOS Pumps (Hong Kong) Ltd. Unit 1, Ground floor, Siu Wai Industrial Centre 29-33 Wing Hong Street & 68 King Lam Street, Cheung Sha Wan Kowloon Tel.: +852-27861706 / 27861741 Fax: +852-27858664	Thailand GRUNDFOS (Thailand) Ltd. 92 Chaloem Phraikit Rama 9 Road Dokmai, Pravej, Bangkok 10250 Tel.: +66-2-725 8999 Fax: +66-2-725 8998	Turkey GRUNDFOS POMPA San. ve Tic. Ltd. Sti. Gebze Organize Sanayi Bölgesi Ihsan dede Caddesi 2. yol 200. Sokak No. 204 41490 Gebze/ Kocaeli Tel.: +90 - 262-679 7979 Fax: +90 - 262-679 7905 E-mail: satis@grundfos.com
Bulgaria Grundfos Bulgaria EOOD Slatina District Iztochna Tangenta street no. 100 BG - 1592 Sofia Tel.: +359 2 49 22 200 Fax: +359 2 49 22 201 E-mail: bulgaria@grundfos.bg	Hungary GRUNDFOS South East Europe Kft. Tópark u. 8 H-2045 Törökpalánk Tel.: +36-23 511 110 Fax: +36-23 511 111	Norway GRUNDFOS Pumper A/S Strømsveien 344 Postboks 235, Leirdal N-1011 Oslo Tel.: +47-22 90 47 00 Fax: +47-22 32 21 50	Ukraine TOV "ГРУНДФОС УКРАЇНА" Бізнес Центр Європа Столичне шосе, 103 м. Київ, 03131, Україна Tel.: +(38 044) 237 04 00 Fax: +(38 044) 237 04 01 E-mail: ukraine@grundfos.com
Canada GRUNDFOS Canada Inc. 2941 Brighton Road Oakville, Ontario L6H 6C9 Tel.: +1-905 829 9533 Fax: +1-905 829 9512	India GRUNDFOS Pumps India Private Limited 118 Old Mahabalipuram Road Thoraipakkam Chennai 600 097 Tel.: +91-44 2496 6800	Poland GRUNDFOS Pompy Sp. z o.o. ul. Klonowa 23 Baranowo k. Poznania PL-62-081 Przeźmierowo Tel.: +(48-61) 650 13 00 Fax: +(48-61) 650 13 50	United Arab Emirates GRUNDFOS Gulf Distribution P.O. Box 16768 Jebel Ali Free Zone, Dubai Tel.: +971 4 8815 166 Fax: +971 4 8815 136
China GRUNDFOS Pumps (Shanghai) Co. Ltd. 10F The Hub, No. 33 Suhong Road Minhang District Shanghai 201106 PRC Tel.: +86 21 612 252 22 Fax: +86 21 612 253 33	Ireland GRUNDFOS (Ireland) Ltd. Unit A, Merrywell Business Park Ballymount Road Lower Dublin 12 Tel.: +353-1-4089 800 Fax: +353-1-4089 830	Portugal Bombras GRUNDFOS Portugal, S.A. Rua Calvet de Magalhães, 241 Apartado 1079 P-2770-153 Paço de Arcos Tel.: +351-21-440 76 00 Fax: +351-21-440 76 90	United Kingdom GRUNDFOS Pumps Ltd. Grovebury Road Leighton Buzzard/Beds. LU7 4TL Tel.: +44-1525-850000 Fax: +44-1525-850011
Columbia GRUNDFOS Colombia S.A.S. Km 1.5 vía Siberia-Cota Conj. Potrero Chico, Parque Empresarial Arcos de Cota Bod. 1A. Cota, Cundinamarca Tel.: +57(1)-2913444 Fax: +57(1)-8764586	Indonesia PT GRUNDFOS Pompa Graha intiurb Lt. 2 & 3 Jln. Cillitan Besar No.454. Makasar, Jakarta Timur ID-Jakarta 13650 Tel.: +62 21-469-51900 Fax: +62 21-460 6910 / 460 6901	Romania GRUNDFOS Pompe România SRL S-PARK BUSINESS CENTER, Clădirea A2, etaj 2 Str. Tipografilor, Nr. 11-15, Sector 1, Cod 013714 Bucuresti, Romania Tel.: 004 021 2004 100 E-mail: romania@grundfos.ro	U.S.A. Global Headquarters for WU 856 Koomey Road Brookshire, Texas 77423 USA Phone: +1-630-236-5500
Croatia GRUNDFOS CROATIA d.o.o. Buzinski prilaz 38, Buzin HR-10010 Zagreb Tel.: +385 1 6595 400 Fax: +385 1 6595 499 www.hr.grundfos.com	Italy GRUNDFOS Pompe Italia S.r.l. Via Gran Sasso 4 I-20060 Truccazzano (Milano) Tel.: +39-02-95838112 Fax: +39-02-95309290 / 95838461	Japan GRUNDFOS Pumps K.K. 1-2-3, Shin-Miyakoda, Kita-ku Hamamatsu 431-2103 Japan Tel.: +81 53 428 4760 Fax: +81 53 428 5005	Uzbekistan Grundfos Tashkent, Uzbekistan The Representative Office of Grundfos Kazakhstan in Uzbekistan 38a, Oybek street, Tashkent Tel.: +(998) 71 150 3290 / 71 150 3291 Fax: +(998) 71 150 3292
Czech Republic GRUNDFOS Sales Czechia and Slovakia s.r.o. Čajkovského 21 779 00 Olomouc Tel.: +420-585-716 111	Kazakhstan Grundfos Kazakhstan LLP 7' Kyz-Zhibek Str., Kok-Tobe micr. KZ-050020 Almaty Kazakhstan Tel.: +7 (727) 227-98-55/56	Singapore GRUNDFOS (Singapore) Pte. Ltd. 25 Jalan Tukang Singapore 619264 Tel.: +65-6681 9688 Faxax: +65-6681 9689	
Denmark GRUNDFOS DK A/S Martin Bachs Vej 3 DK-8850 Bjerringbro Tel.: +45-87 50 50 50 Fax: +45-87 50 51 51 E-mail: info_DK@grundfos.com www.grundfos.com/DK	Korea GRUNDFOS Pumps Korea Ltd. 6th Floor, Aju Building 679-5 Yeoksam-dong, Gangnam-ku, 135-916 Seoul, Korea Tel.: +82-2-5317 600 Fax: +82-2-5633 725	Slovakia GRUNDFOS s.r.o. Prievozska 4D 821 09 BRATISLAVA Tel.: +421 2 5020 1426 sk.grundfos.com	
Estonia GRUNDFOS Pumps Eesti OÜ Peterburgi tee 92G 11415 Tallinn Tel.: +372 606 1690 Fax: +372 606 1691	Latvia SIA GRUNDFOS Pumps Latvia Deglava bīznesa centrā Augusta Deglava ielā 60 LV-1035, Riga, Tel.: + 371 714 9640, 7 149 641 Fax: + 371 914 9646	Slovenia GRUNDFOS LJUBLJANA, d.o.o. Leskoškova 9e, 1122 Ljubljana Tel.: +386 (0) 1 568 06 10 Fax: +386 (0) 1 568 06 19 E-mail: tehnika-si@grundfos.com	
South Africa GRUNDFOS (PTY) LTD 16 Lascelles Drive, Meadowbrook Estate 1609 Germiston, Johannesburg Tel.: (+27) 10 248 6000 Fax: (+27) 10 248 6002 E-mail: lgradidge@grundfos.com			

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