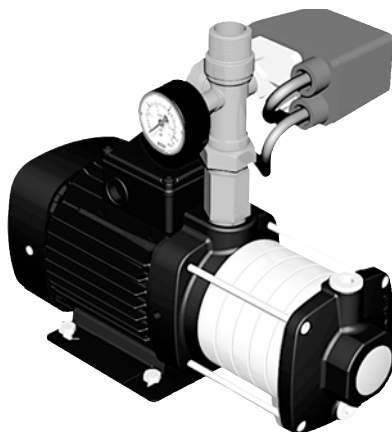


CM Booster PS PT

Safety instructions and other important information



English (GB) Safety instructions

Original supplement to Quick Guide

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1. General information

1.1 Hazard statements

The symbols and hazard statements below may appear in Grundfos installation and operating instructions, safety instructions and service instructions.

DANGER



Indicates a hazardous situation which, if not avoided, will result in death or serious personal injury.

WARNING



Indicates a hazardous situation which, if not avoided, could result in death or serious personal injury.

CAUTION



Indicates a hazardous situation which, if not avoided, could result in minor or moderate personal injury.

The hazard statements are structured in the following way:

SIGNAL WORD



Description of hazard

Consequence of ignoring the warning.
- Action to avoid the hazard.



Read this document and the quick guide before you install 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.

1.2 Notes

The symbols and notes below may appear in Grundfos installation and operating instructions, safety instructions and service instructions.



Observe these instructions for explosion-proof products.



A blue or grey circle with a white graphical symbol indicates that an action must be taken.



A red or grey circle with a diagonal bar, possibly with a black graphical symbol, indicates that an action must not be taken or must be stopped.



If these instructions are not observed, it may result in malfunction or damage to the equipment.



Tips and advice that make the work easier.

DANGER



Indicates a hazardous situation which, if not avoided, will result in death or serious personal injury.

2. Safety instructions

2.1 Sizing the system

CAUTION

Pressurised system

Minor or moderate personal injury



- Make sure that the system incorporating the product is designed for the maximum pump pressure.

2.2 Mechanical installation

DANGER

Electric shock

Death or serious personal injury



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

2.3 Electrical connection

DANGER

Electric shock

Death or serious personal injury



- Never make any connections in the pump terminal box unless the power supply has been switched off. Connect the pump to earth.

DANGER**Electric shock**

Death or serious personal injury

- Power cables without a plug must be connected to a power disconnecting device incorporated in the fixed wiring according to the local wiring rules.

**2.4 Setting the pressure switch****DANGER****Electric shock**

Death or serious personal injury

- Switch off the power supply before you adjust the pressure switch.



Fit the cover on the pressure switch before switching on the power supply to check the start and stop pressures.

2.5 Fault finding**DANGER****Electric shock**

Death or serious personal injury

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

**3. Applications**

The CM Booster is suitable for pressure boosting of clean fresh water in domestic water supply systems.

4. Sizing the system**CAUTION****Pressurised system**

Minor or moderate personal injury

- Make sure that the system incorporating the product is designed for the maximum pump pressure.



For the default setting, see the quick guide.

5. Mechanical installation

DANGER

Electric shock



Death or serious personal injury

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



Make sure that the pump is not stressed by the pipes.

6. Electrical connection

Carry out the electrical connection according to local regulations.



Check that the supply voltage and frequency correspond to the values stated on the nameplate.

DANGER

Electric shock



Death or serious personal injury

- Never make any connections in the pump terminal box unless the power supply has been switched off. Connect the pump to earth.

DANGER

Electric shock



Death or serious personal injury

- Power cables without a plug must be connected to a power disconnecting device incorporated in the fixed wiring according to the local wiring rules.



We recommend that you fit the permanent installation with an earth leakage circuit breaker (ELCB, GFCI) or a residual-current circuit breaker (RCD) of type B with a tripping current below 30 mA.

Single-phase motors incorporate a thermal switch and require no additional motor protection.

Connect three-phase motors to an external mains switch and a motor-protective circuit breaker.

7. Starting up the product



Fill the system with liquid before starting the pump.

7.1 Shaft seal run-in

The shaft-seal faces are lubricated by the pumped liquid. As a result, there may be a certain amount of leakage from the shaft seal.

When the pump is started up for the first time, or when a new shaft seal is installed, a certain run-in period is required before the leakage is reduced to an acceptable level. The time required for this depends on the operating conditions, i.e. every time the operating conditions change, a new run-in period will be started.

Under normal conditions, the leaking liquid evaporates. As a result, no leakage is detected.

8. Adjusting the pressure



See the default setting in the quick guide.

If the pressure is not suitable for the application, adjust according to the following instructions.

8.1 Calculating the start and stop pressures

The start pressure is the sum of these variables:

- required minimum pressure at the highest tapping point
- head from the pump to the highest tapping point
- pressure loss in pipes.

Recommended stop pressure:

Start pressure +0.8 - 1.5 bar.



Make sure that the stop pressure does not exceed the maximum pump outlet pressure.

8.2 Adjusting the precharge pressure

When the pump start pressure has been determined, you can calculate the required precharge pressure of the diaphragm tank. Adjust the precharge pressure to 90 % of the start pressure.



When adjusting or reading the precharge pressure, make sure that there is no water pressure on the diaphragm tank from the pipes.



See the installation and operating instructions for the diaphragm tank. If the pressure switch setting is changed, adjust the precharge pressure.

8.3 Setting the start and stop pressure

DANGER

Electric shock



- Death or serious personal injury
- Switch off the power supply before adjusting the pressure switch.
- Fit the cover on the pressure switch before switching on the power supply to check the start and stop pressure.

During this task, open the water intake and use the pump gauge to check the start and stop pressure.

1. Loosen the nut (1) completely.
2. Adjust the nut (2) until you reach the desired start pressure.
 - Clockwise: increase the start pressure.
 - Counterclockwise: decrease the start pressure.
3. Adjust the nut (1) until you reach the desired stop pressure.
 - Clockwise: increase the stop pressure.
 - Counterclockwise: decrease the stop pressure.

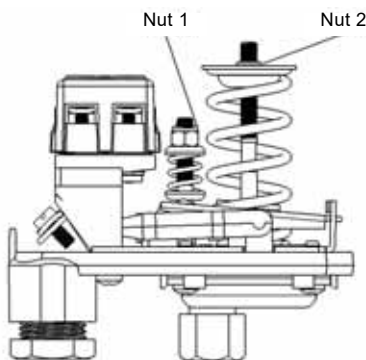


Fig. 1 Pressure switch

9. Operating and maintaining the product

DANGER

Electric shock



- Death or serious personal injury
- Switch off the power supply before you start any work on the product.
- Make sure that the power supply cannot be switched on accidentally.

WARNING

Pressurised system



- Death or serious personal injury
- Before dismantling the pump, drain the system or close the isolating valves on both sides of the pump.
- Slowly loosen the drain plug and depressurise the system.

CAUTION

Impurities in the water



- Minor or moderate personal injury
- Before the pump is used for supplying drinking water, flush the pump thoroughly with clean water.

DANGER

Contaminated drinking water



- Death or serious personal injury
- Flush the system before starting it or after a standstill period.



Flush the system with clean water to remove all impurities before you start the pump.



Do not cover the motor. Make sure that an adequate supply of cool air reaches the motor cooling fan.

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9.1 Drinking water systems

Hygiene

Grundfos pressure booster systems are functionally tested by running water through the system. During testing, Grundfos continuously surveys the quality of the tested water. Since it is not possible to completely drain and dry the system after the test, the system must be rinsed or flushed thoroughly before use in the drinking water sector due to risk of bacterial growth. This also applies if the system has been shut down for a long period of time. Rinsing and flushing must always be done in accordance with local regulations. Contaminated drinking water endangers health.

9.2 Cable requirements

1 x 200-230 V

Power [kW]	Cross-section	
	[mm ²]	[AWG]
0.25 - 1.5	1.5 - 2.5	16-12

3 x 380-500 V

Power [kW]	Cross-section	
	[mm ²]	[AWG]
0.25 - 2.2	1.5 - 2.5	16-12
3.0 - 4.0	2.5 - 4	12-11

3 x 380-500 V

Power [kW]	Cross-section	
	[mm ²]	[AWG]
1.1 - 1.5	1.5 - 2.5	16-12
2.2 - 4.0	2.5 - 4	12-11

Conductor types

Stranded or solid copper conductors.

Conductor temperature ratings

Temperature rating for conductor insulation: 60 °C (140 °F).

Temperature rating for outer cable sheath: 75 °C (167 °F).

10. Protecting the product against frost

If there is a risk of frost, drain the tank and pump of water.

11. Technical data

Ambient temperature

See the nameplate.

Storage temperature

Minimum -10 °C

Maximum +45 °C

Liquid temperature

See the nameplate.

System pressure

See the nameplate.

Inlet pressure

At inlet pressures above 1.5 bar, the outlet pressure must be at least 2.5 bar.

Maximum head

See the nameplate.

Supply voltage

See the nameplate.

Insulation class

F.

Enclosure class

See the nameplate.

Relative air humidity

Maximum 95 %.

Start/stop frequency

Maximum 20 per hour.

12. 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.

Fault	Cause	Remedy
1. The pump does not start.	a) The fuses in the electrical installation have blown.	Replace the fuses. If the new fuses also blow, check the electrical installation.
	b) The voltage-operated circuit breaker or current-operated circuit breaker has tripped.	Cut in the circuit breaker and check the electrical installation.
2. There is power on the pressure switch but not on the pump.	a) The power supply to the pump is disconnected after the pressure switch.	Check the cable connections.
	b) The pressure switch is defective.	Repair or replace the pressure switch.*
3. The pump does not start when water is consumed.	a) The difference in height between the pressure switch and the tapping point is too large.	Adjust the cut-in pressure.
	b) The pressure switch is defective.	Repair or replace the pressure switch.*
4. Frequent starts and stops.	a) Leakage in the pipes.	Check and repair the pipes.
	b) The pressure tank has no precharge pressure, or the tank size is insufficient.	Check the tank precharge pressure, and recharge the tank, if necessary. See section 8.2 Adjusting the precharge pressure .
5. The pump does not stop.	a) The pressure switch is defective.	Repair or replace the pressure switch.*
6. The motor cuts out during operation.	a) Single-phase motors: The thermal switch in the motor has tripped due to overheating.	The thermal switch cuts in automatically when the motor has cooled. If the problem still persists, check these two possible causes: • The impeller is stuck. Clean the pump. • The motor is defective. Repair or replace the motor.*
	b) Three-phase motors: The motor-protective circuit breaker has tripped.	Cut in the motor-protective circuit breaker. If the problem still persists, check these two possible causes: • The impeller is stuck. Clean the pump. • The motor is defective. Repair or replace the motor.*

* Alternatively, contact the nearest Grundfos company or service workshop.

13. Disposal

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 wheellie 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 on www.grundfos.com/products/product-sustainability/product-recycling.

Declaration of conformity

GB: EU declaration of conformity

We, Grundfos, declare under our sole responsibility that the products CM Booster PS, CM Booster PT, to which the declaration below relates, are in conformity with the Council Directives listed below on the approximation of the laws of the EU member states.

CZ: Prohlášení o shodě EU

My firma Grundfos prohlašujeme na svou plnou odpovědnost, že výrobky CM Booster PS, CM Booster PT, na které se toto prohlášení vztahuje, jsou v souladu s níže uvedenými ustanoveními směrnice Rady pro sblížení právních předpisů členských států Evropského společenství.

DK:EU-overensstemmelseserklæring

Vi, Grundfos, erklærer under ansvar at produkterne CM Booster PS, CM Booster PT som erklæringen nedenfor omhandler, er i overensstemmelse med Rådets direktiver der er nævnt nedenfor, om indbyrdes tilnærmelse til EU-medlemsstaternes lovgivning.

ES: Declaración de conformidad de la UE

Grundfos declara, bajo su exclusiva responsabilidad, que los productos CM Booster PS, CM Booster PT a los que hace referencia la siguiente declaración cumplen lo establecido por las siguientes Directivas del Consejo sobre la aproximación de las legislaciones de los Estados miembros de la UE.

FR: Déclaration de conformité UE

Nous, Grundfos, déclarons sous notre seule responsabilité, que les produits CM Booster PS, CM Booster PT, auxquels se réfère cette déclaration, sont conformes aux Directives du Conseil concernant le rapprochement des législations des États membres UE relatives aux normes énoncées ci-dessous.

HR: EU deklaracija sukladnosti

Mi, Grundfos, izjavljujemo s punom odgovornošću da su proizvodi CM Booster PS, CM Booster PT, na koja se izjava odnosi u nastavku, u skladu s direktivama Vijeća dolje navedene o usklađivanju zakona država članica EU-a.

IT: Dichiarazione di conformità UE

Grundfos dichiara sotto la sua esclusiva responsabilità che i prodotti CM Booster PS, CM Booster PT, ai quali si riferisce questa dichiarazione, sono conformi alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri UE.

LV: ES atbilstības deklarācija

Sabiedrība Grundfos ar pilnu atbildību paziņo, ka produkti CM Booster PS, CM Booster PT, uz kuri attiecas tālāk redzamā deklarācija, atbilst tālāk norādītajām Padomes direktīvām par ES dalībvalstu normatīvo aktu tuvināšanu.

PL: Deklaracja zgodności UE

My, Grundfos, oświadczamy z pełną odpowiedzialnością, że nasze produkty CM Booster PS, CM Booster PT, których deklaracja niniejsza dotyczy, są zgodne z następującymi dyrektywami Rady w sprawie zbliżenia przepisów prawnych państw członkowskich.

RO: Declarația de conformitate UE

Noi Grundfos declarăm pe propria răspundere că produsele CM Booster PS, CM Booster PT, la care se referă această declarație, sunt în conformitate cu Directivele de Consiliu specificate mai jos privind armonizarea legilor statelor membre UE.

RU: Декларация о соответствии нормам ЕС

Мы, компания Grundfos, со всей ответственностью заявляем, что изделия CM Booster PS, CM Booster PT, к которым относится нижеприведённая декларация, соответствуют нижеприведённым Директивам Совета Евросоюза о тождественности законов стран-членов ЕС.

BG: Декларация за съответствие на ЕО

Ние, фирма Grundfos, заявяваме с пълна отговорност, че продуктите CM Booster PS, CM Booster PT, за които се отнася настоящата декларация, отговарят на следните директиви на Съвета за уеднаквяване на правните разпоредби на държавите-членки на ЕО.

DE: EU-Konformitätserklärung

Wir, Grundfos, erklären in alleiniger Verantwortung, dass die Produkte CM Booster PS, CM Booster PT, auf die sich diese Erklärung beziehen, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EU-Mitgliedsstaaten übereinstimmen.

EE: ELi vastavusdeklaratsioon

Meie, Grundfos, kinnitame ja kanname ainuiskulist vastutust selle eest, et toode CM Booster PS, CM Booster PT, mille kohta all olev deklaratsioon käib, on kooskõlas Nõukogu Direktiividega, mis on nimetatud all pool vastavalt vastuvõetud õigusaktidele ühtlustamise kohta EL liikmesriikides.

FI: EU-vaatimustenmukaisuusvakuutus

Grundfos vakuuttaa omalla vastuullaan, että tuotteet CM Booster PS, CM Booster PT, joita tämä vakuutus koskee, ovat EU:n jäsenvaltioiden lainsäädännön lähentämiseen tähtäviin Euroopan neuvoston direktiivien vaatimusten mukaisia seuraavasti.

GR: Δήλωση συμμόρφωσης ΕΕ

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι τα προϊόντα CM Booster PS, CM Booster PT, στα οποία αναφέρεται η παρακάτω δήλωση, συμμορφώνονται με τις παρακάτω Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΕ.

HU: EU megfeleléségi nyilatkozat

Mi, a Grundfos vállalat, teljes felelősséggel kijelentjük, hogy a(z) CM Booster PS, CM Booster PT termékek, amelyre az alábbi nyilatkozat vonatkozik, megfelelnek az Európai Unió tagállamainak jogi irányelvet összefhangoló tanács alábbi előírásainak.

LT: ES atitikties deklaracija

Mes, Grundfos, su visa atsakomybe pareiškiamo, kad produktai CM Booster PS, CM Booster PT, kuriems skirta ši deklaracija, atitinka žemiau nurodytas Tarybos Direktyvas dėl ES šalių narių įstatymų suderinimo.

NL: EU-conformiteitsverklaring

Wij, Grundfos, verklaren geheel onder eigen verantwoordelijkheid dat de producten CM Booster PS, CM Booster PT, waarop de onderstaande verklaring betrekking heeft, in overeenstemming zijn 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 os produtos CM Booster PS, CM Booster PT, aos quais diz respeito a declaração abaixo, estão em conformidade com as Diretivas do Conselho sobre a aproximação das legislações dos Estados Membros da UE.

RS: Deklaracija o usklađenosti EU

Mi, kompanija Grundfos, izjavljujemo pod punom vlastitom odgovornošću da je proizvod CM Booster PS, CM Booster PT, na koji se odnosi deklaracija ispod, u skladu sa dole prikazanim direktivama Saveta za usklađivanje zakona država članica EU.

SE: EU-försäkran om överensstämmelse

Vi, Grundfos, försäkrar under ansvar att produkterna CM Booster PS, CM Booster PT, som omfattas av nedanstående försäkran, är i överensstämmelse med de rättsdirektiv om inbördes närmande till EU-medlemsstaternas lagstiftning som listas nedan.

SI: Izjava o skladnosti EU

V Grundfosu s polno odgovornostjo izjavljamo, da je izdelek CM Booster PS, CM Booster PT, na katerega se spodnja izjava nanaša, v skladu s spodnjimi direktivami Sveta o približevanju zakonodaje za izenačevanje pravnih predpisov držav članic EU.

TR: AB uygunluk bildirgesi

Grundfos olarak, aşağıdaki bildirim konusu olan CM Booster PS, CM Booster PT ürünlerinin, AB Üye ülkelerinin direktiflerinin yakınlaştırılmasıyla ilgili durumun aşağıdaki Konsey Direktifleriyle uyumlu olduğunu ve bununla ilgili olarak tüm sorumluluğun 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 CM Booster PS, CM Booster PT 系列，其制造和性能完全符合以下所列欧盟委员会指令。

SK: Prehlásenie o zhode s EU

My, spoločnosť Grundfos, vyhlasujeme na svoju plnú zodpovednosť, že produkty CM Booster PS, CM Booster PT na ktoré sa vyhlásenie uvedené nižšie vzťahuje, sú v súlade s ustanoveniami nižšie uvedených smerníc Rady pre zblíženie právnych predpisov členských štátov EÚ.

UA: Декларація відповідності директивам EU

Ми, компанія Grundfos, під нашу одноосібну відповідальність заявляємо, що вироби CM Booster PS, CM Booster PT, до яких відноситься нижченаведена декларація, відповідають директивам ЕУ, переліченим нижче, щодо тотожності законів країн-членів ЄС.

ID: Deklarasi kesesuaian Uni Eropa

Kami, Grundfos, menyatakan dengan tanggung jawab kami sendiri bahwa produk CM Booster PS, CM Booster PT, yang berkaitan dengan pernyataan ini, sesuai dengan Petunjuk Dewan berikut ini serta sedapat mungkin sesuai dengan hukum negara-negara anggota Uni Eropa.

- Machinery Directive (2006/42/EC).
Standards used:
EN 809:1998 + A1:2009
- Low Voltage Directive (2014/35/EU)
Standards used:
EN 60335-1: 2012 + A11: 2014, EN 60335-2-51: 2003 + A1: 2008 + A2: 2012.
- Ecodesign Directive (2009/125/EC).
Electric motors:
Commission Regulation No. 640/2009.
Applies only to three-phase Grundfos motors marked IE2 or IE3.
See motor nameplate.
Standard used:
EN 60034-30:2009.
- Applies from 22.07.2019.
- RoHS Directives (2011/65/EU and 2015/863/EU)
Standard used:
EN 50581:2012.

This EU declaration of conformity is only valid when published as part of the Grundfos Installation and Operating Instructions (publication number 98175689 0219).

Bjerringbro, 28th September 2018



Florian Joseph
Program Engineering Manager
Grundfos Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark

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

Declaration of conformity

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 Grundfos products:
CM Booster PS and PT

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: NM EN 809+A1:2015, NM EN 60335-1:2015, NM EN 60335-2-51:2013

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

Bjerringbro, 20.12.2019

Florian Joseph
Program Engineering Manager
Grundfos Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark

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

10000091333



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:
CM Booster PS and PT

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: NM EN 809+A1:2015, NM EN 60335-1:2015, NM EN 60335-2-51:2013

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

Bjerringbro, 20.12.2019

Florian Joseph
Program Engineering Manager
Grundfos Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark

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

10000091333



AR: إقرار المطابقة المغربي

نحن، جرونڨوس، نقرر تحت مسؤوليةنا وحسنا بأن المنتجات التي يتعلق
تجهها الإقرار أدناه، تتوافق مع القوانين والقرارات والمعايير والمواصفات
المغربية التي تم إقرار المطابقة بشأنها، كما هو موضح أدناه:

سار على منتجات جرونڨوس:
CM Booster PS and PT

قانون رقم 09-24، 2011 بشأن سلامة المنتجات والخدمات والقرارات التالية:
القرار رقم 14-2573، 2015 متطلبات السلامة للمعدات الكهربائية ذات الجهد
المنخفض
المعايير المستخدمة:

NM EN 809+A1:2015, NM EN 60335-1:2015, NM EN 60335-2-
51:2013

يكون إقرار المطابقة المغربي صالحاً فقط عند نشره كجزء من تعليمات
جرونڨوس.

Bjerringbro, 20.12.2019

Florian Joseph
Program Engineering Manager
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الجهة المصنعة والشخص المفوض بتوقيع إقرار المطابقة المغربي.

10000091333

RUS

СМВ

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 сертификации:

Насосы типа СМВ сертифицированы 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».

Сертификат соответствия:

№ ТС RU C-DK.АИ30.В.01127 срок действия до 24.11.2019 г.

Выдан:

Органом по сертификации продукции «ИВАНОВО-СЕРТИФИКАТ» ООО «Ивановский Фонд Сертификации».

Адрес: 153032, Российская Федерация, г. Иваново, ул. Станкостроителей, д.1.

KAZ

СМВ

Пайдалану бойынша нұсқаулық

Атаулы өнімге арналған пайдалану бойынша нұсқаулық құрамалы болып келеді және келесі бөлімдерден тұрады:

1 бөлім: атаулы «Пайдалану бойынша нұсқаулық»

2 бөлім: Грундфос компаниясының сайтында орналасқан электронды бөлім «Төлқұжат, Құрастыру және пайдалану бойынша нұсқаулық». Құжат соңында көрсетілген сілтеме арқылы өтіңіз.

3 бөлім: өнімнің фирмалық тақташасында орналасқан шығарылған уақыты жөніндегі мәлімет

Сертификаттау туралы ақпарат:

СМВ типті сорғылары «Төмен вольтты жабдықтардың қауіпсіздігі туралы» (ТР ТС 004/2011), «Машиналар және жабдықтар қауіпсіздігі туралы» (ТР ТС 010/2011) «Техникалық заттардың электрлі магниттік сәйкестілігі» (ТР ТС 020/2011) Кеден Одағының техникалық регламенттерінің талаптарына сәйкес сертификатталды.

Сәйкестік сертификат:

№ ТС RU C-DK.АИ30.В.01127, жарамдылық мерзімі 24.11.2019 жылға дейін

«Иваново Сертификаттау Қоры» ЖШҚ «ИВАНОВО-СЕРТИФИКАТ» өнімді сертификациялау бойынша органымен берілген.

Мекен-жайы: 153032, Ресей Федерациясы, Иванов облысы, Иваново қ., Станкостроителей көш., 1 үй.

KG

CMB

Пайдалануу боюнча колдонмо

Аталган жабдууну пайдалануу боюнча колдонмо курамдык жана өзүнө бир нече бөлүкчөнү камтыйт:

1-Бөлүк: «Пайдалануу боюнча колдонмо»

2-Бөлүк: «Паспорт. Пайдалануу жана монтаж боюнча колдонмо» электрондук бөлүгү Грундфос компаниянын сайтында жайгашкан. Документтин аягында көрсөтүлгөн шилтемеге кайрылыңыз.

3-Бөлүк: жабдуунун фирмалык тактасында жайгашкан даярдоо мөөнөтү тууралуу маалымат.

Шайкештик жөнүндө декларация

CMB түрүндөгү соргучтар Бажы Биримдиктин Техникалык регламенттин талаптарына ылайыктуу тастыкталган: TP TБ 004/2011 «Төмөн вольттук жабдуунун коопсуздугу жөнүндө»; TP TБ 010/2011 «Жабдуу жана машиналардын коопсуздугу жөнүндө»; TP TБ 020/2011 «Техникалык каражаттардын электрмагниттик шайкештиги».

Шайкештик сертификаты:

№ TC RU C-ДК.АИ30.В.01127, 24.11.2019 ж. чейин жарамдуу.

Берилген:

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Дареги: 153032, Орусия Федерациясы, Иваново ш., Станкостроители көч., ү.1.

ARM

CMB

Շահագործման ձեռնարկ

Տվյալ սարքավորման շահագործման ձեռնարկը բաղկացած է մի քանի մասերից.

Մաս 1. սույն «Շահագործման ձեռնարկ»:

Մաս 2. էլեկտրոնային մաս. այն է՝ «Անձնագիր: Մոնտաժման և

շահագործման ձեռնարկ» տեղադրված «Գրունդֆոս». Անցեք փաստաթղթի վերջում նշված հղումով.

Մաս 3. տեղեկություն արտադրման ամսաթվի վերաբերյալ՝ նշված սարքավորման պիտակի վրա:

Տեղեկություններ հավաստագրման մասին

CMB տիպի պոմպերը սերտիֆիկացված են համաձայն Մաքսային Միության տեխնիկական կանոնակարգի պահանջների՝ TP TC 004/2011 «Ցածրավոլտ սարքավորումների վերաբերյալ», TP TC 010/2011 «Մեքենաների և սարքավորումների անվտանգության վերաբերյալ»; TP TC 020/2011

«Տեխնիկական միջոցների էլեկտրամագնիսական համատեղելիության վերաբերյալ»:

Համապատասխանության հավաստագիր

№ TC RU C-ДК.АИ30.В.01127, գործողության ժամկետը մինչև՝ 24.11.2019թ

Տրված է՝

«ԻՎԱՆՈՎՈ-ՍԵՐՏԻՖԻԿԱՏ» ապրանքների սերտիֆիկացման մարմնի կողմից:

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