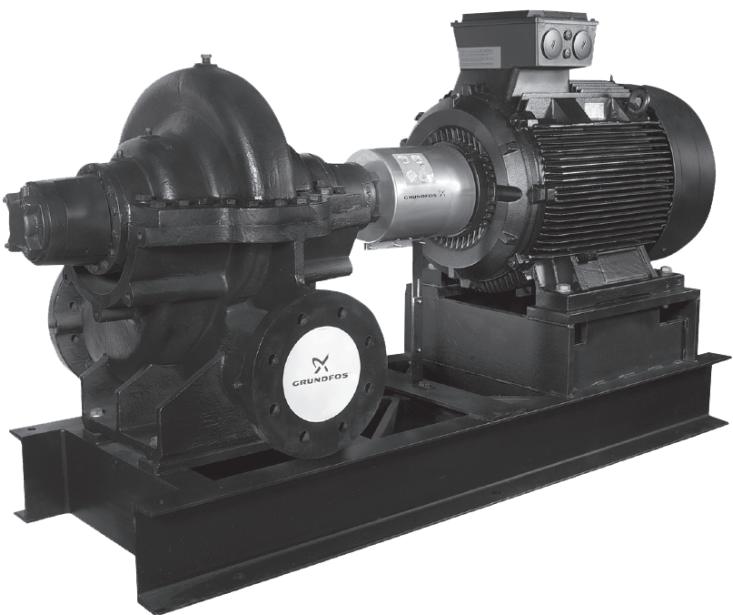


# LS

Safety instructions and other important information



**GRUNDFOS** 



# LS

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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 before you install the product. Installation and operation must comply with local regulations and accepted codes of good practice.

### Installing the product

#### **WARNING**

##### **Crushing hazard**

Death or serious personal injury

- Make sure that all installations are performed by persons experienced in the placement, alignment and connection of pumping equipment.

#### **WARNING**

##### **Crushing hazard**

Death or serious personal injury

- Handling must be performed by qualified persons.
- When unloading the pump, lift equally at four or more points on the base frame. Do not lift by the motor or by the pump. Do not lift by the flanges or by the eyebolts on the motor.

#### **DANGER**

##### **Electric shock**

Death or serious personal injury

- Before starting work on the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.



#### **DANGER**

##### **Electric shock**

Death or serious personal injury



- Before you remove the terminal box cover and before you remove or dismantle the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

#### **DANGER**

##### **Electric shock**

Death or serious personal injury



- Whenever you use powered equipment in explosive surroundings, observe the rules and regulations generally or specifically imposed by the relevant responsible authorities or trade organisations.

### Mechanical installation

#### **WARNING**

##### **Crushing of hands**

Death or serious personal injury



- Make sure that all installations are performed by persons experienced in the placement, alignment and connection of pumping equipment.

### Lifting the product

#### **WARNING**

##### **Crushing hazard**

Death or serious personal injury



- Handling must be performed by qualified persons.
- When unloading the pump, lift equally at four or more points on the base frame. Do not lift by the motor or by the pump. Do not lift by the flanges or by the eyebolts on the motor.

### Foundation and preliminary alignment procedure

#### **DANGER**

##### **Electric shock**

Death or serious personal injury



- Before starting work on the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

## Electrical connection

### DANGER

#### Electric shock

Death or serious personal injury



- Before you remove the terminal box cover and before you remove or dismantle the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

### DANGER

#### Electric shock

Death or serious personal injury



- Whenever you use powered equipment in explosive surroundings, observe the rules and regulations generally or specifically imposed by the relevant responsible authorities or trade organisations.

## Starting up the product

### CAUTION

#### Biological hazard

Minor or moderate personal injury



- When pumping drinking water, the pump must be flushed thoroughly with clean water before startup in order to remove any foreign matters, such as preservatives, test liquid or grease.

### DANGER

#### Electric shock

Death or serious personal injury



- Before interchanging two phases, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

### WARNING

#### Hot or cold surface

Death or serious personal injury



- Pay attention to the direction of the vent hole, and ensure that the escaping water does not cause injury to persons or damage to the motor or other components.
- In hot-water installations, pay special attention to the risk of injury caused by scalding hot water and hot surfaces.
- In cold-liquid installations, pay special attention to the risk of injury caused by cold liquids and cold surfaces.



### WARNING

#### Crushing hazard

Death or serious personal injury



- To protect persons from rotating machine parts, always install all guards after the installation is complete and before starting the pump.

## General information

### CAUTION

#### Biological hazard

Minor or moderate personal injury



- When pumping drinking water, the pump must be flushed thoroughly with clean water before startup in order to remove any foreign matters, such as preservatives, test liquid or grease.

## Direction of rotation

### DANGER

#### Electric shock

Death or serious personal injury



- Before interchanging two phases, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

## Priming

## Startup

### WARNING

#### Hot or cold surface

Death or serious personal injury



- Pay attention to the direction of the vent hole, and ensure that the escaping water does not cause injury to persons or damage to the motor or other components.
- In hot-water installations, pay special attention to the risk of injury caused by scalding hot water and hot surfaces.
- In cold-liquid installations, pay special attention to the risk of injury caused by cold liquids and cold surfaces.

## Final alignment

## Greasing the grid coupling

### WARNING

#### Crushing hazard

Death or serious personal injury



- To protect persons from rotating machine parts, always install all guards after the installation is complete and before starting the pump.

## Pin coupling air-gap width S2

### **WARNING**

#### **Crushing of hands**

Death or serious personal injury



- To protect persons from rotating machine parts, always install all guards after the installation is complete and before starting the pump.

## Product introduction

### **CAUTION**

#### **Hot liquid**

Minor or moderate personal injury



- Do not exceed the maximum operating temperature stated on the nameplate.

## Pumped liquids

### **CAUTION**

#### **Hot Liquid**

Minor or moderate personal injury



- Do not exceed the maximum operating temperature stated on the nameplate.

## Servicing the product

### **CAUTION**

#### **Biological hazard**

Minor or moderate personal injury



- Flush the pump thoroughly with water and rinse the pump parts in water after dismantling.

### **WARNING**

#### **Sound pressure**

Death or serious personal injury



- The sound pressure level is so high that hearing protection must be used.

### **DANGER**

#### **Electric shock**

Death or serious personal injury



- Before starting work on the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

### **WARNING**

#### **Hot or cold surface**

Death or serious personal injury



- Pay attention to the direction of the vent hole, and ensure that the escaping water does not cause injury to persons or damage to the motor or other components.



- In hot-water installations, pay special attention to the risk of injury caused by scalding hot water and hot surfaces.
- In cold-liquid installations, pay special attention to the risk of injury caused by cold liquids and cold surfaces.

### **CAUTION**

#### **Sharp element**

Minor or moderate personal injury



- Wear protective gloves to protect yourself against sharp edges on the impeller and wear rings.

## Contaminated pumps

### **CAUTION**

#### **Biological hazard**

Minor or moderate personal injury



- Flush the pump thoroughly with water and rinse the pump parts in water after dismantling.

## Maintaining the product

### **DANGER**

#### **Electric shock**

Death or serious personal injury



- Before starting work on the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

### **WARNING**

#### **Hot or cold surface**

Death or serious personal injury



- Pay attention to the direction of the vent hole, and ensure that the escaping water does not cause injury to persons or damage to the motor or other components.



- In hot-water installations, pay special attention to the risk of injury caused by scalding hot water and hot surfaces.
- In cold-liquid installations, pay special attention to the risk of injury caused by cold liquids and cold surfaces.

## Frequency of inspections

### CAUTION

#### Sharp element

Minor or moderate personal injury



- Wear protective gloves to protect yourself against sharp edges on the impeller and wear rings.

## Taking the product out of operation

### WARNING

#### Hot or cold surface

Death or serious personal injury



- Pay attention to the direction of the vent hole, and ensure that the escaping water does not cause injury to persons or damage to the motor or other components.
- In hot-water installations, pay special attention to the risk of injury caused by scalding hot water and hot surfaces.
- In cold-liquid installations, pay special attention to the risk of injury caused by cold liquids and cold surfaces.



### WARNING

#### Harm to health

Death or serious personal injury



- Do not use antifreeze solution if you use the pump for public or potable-water supply.

## Long-term shutdown

### CAUTION

#### Hot or cold surface

Minor or moderate personal injury



- Make sure that the escaping water does not cause injury to persons or damage to the motor or other components.
- In hot-water installations, pay special attention to the risk of injury caused by scalding hot water.
- In cold-liquid installations, pay special attention to the risk of injury caused by cold liquids and cold surfaces.



### WARNING

#### Harm to health

Death or serious personal injury



- Do not use antifreeze solution if you use the pump for public or potable-water supply.

## Fault finding the product

### DANGER

#### Electric shock

Death or serious personal injury



- Before you remove the terminal box cover and before you remove or dismantle the pump, make sure that the power supply has been switched off and that it cannot be accidentally switched on.

## EU declaration of conformity

### **GB: EU declaration of conformity**

We, Grundfos, declare under our sole responsibility that the product LS, 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.

### **DE: EU-Konformitätserklärung**

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

### **ES: Declaración de conformidad UE**

Grundfos declara, bajo su exclusiva responsabilidad, que el producto al que concierne la presente declaración, marcado con la denominación LS, 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.

### **GR: Δήλωση συμμόρφωσης ΕΕ**

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι το προϊόν LS, 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) LS termék, amelyre az alábbi nyilatkozat vonatkozik, megfelel az Európai Unió tagállamainak jogi irányelvét összehangoló tanács alábbi előírásainak.

### **NL: EC Conformiteitsverklaring**

Wij, Grundfos, verklaren geheel onder eigen verantwoordelijkheid dat product LS, 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 LS, 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.

### **CZ: EU prohlášení o shodě**

My společnost Grundfos prohlašujeme na svou plnou odpovědnost, že výrobek LS, 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 LS som erklæringen nedenfor omhandler, er i overensstemmelse med Rådets direktiver der er nævnt nedenfor, om indbyrdes tilhærmelse til EU-medlemsstaternes lovgivning.

### **FR : Déclaration de conformité UE**

Nous, Grundfos, déclarons sous notre entière responsabilité que le produit LS, 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 LS 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 LS, al quale si riferisce questa dichiarazione, è conforme alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri UE.

### **PL: Deklaracja zgodności WE**

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

### **RO: Declarație de conformitate UE**

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

**SR: EU deklaracija o usklađenosti**

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

**RU: Декларация о соответствии нормам ЕС**

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

**SE: EU-försäkran om överensstämmelse**

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

**TR: AB uygunluk beyanı**

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

**NO: Samsværserklæring for EU**

Vi, Grundfos, erklærer under vårt eneansvar at produktet LS, som denne erklæringen gjelder, er i samsvar med Det europeiske råds direktiver om tilnærming av forordninger i EU-landene.

**AR: إقرار مطابقة الاتحاد الأوروبي (EU)**

الذى LS نفر نحن، جروندفوس، بمقتضى مسؤوليتنا الفردية بـ المنتج يخضع به الإقرار أدناه يكون مطابقاً لترجيحات المجلس المذكورة أدناه (EU). شأن التقرير بين قوتين الدول أعضاء الاتحاد الأوروبي.

**Pumps with motors and base frames**

[www.grundfos.com](http://www.grundfos.com)

- Machinery Directive (2006/42/EC and 2009/127/EC)

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

## Standards used:

EN 809: 1998 + A1 :2009

- Ecodesign Directive (2009/125/EC)
- RoHS Directives (2011/65/EU and 2015/863/EU)

## Standard used:

EN IEC 63000:2018

**Bare shaft pumps**

- Machinery Directives (2006/42/EC and 2009/127/EC)
- Standard used: EN 809: 1998 + A1 :2009
- RoHS Directives (2011/65/EU and 2015/863/EU)
- Standard used: EN IEC 63000 :2018

This declaration of conformity is only valid when published as part of the Grundfos Safety Instruction and other important information (publication number 99328883).

Suzhou, Jiang Su Province, PRC, 08 September 2022

Joachim Krogshave  
Head of PD CBS  
Grundfos Holding A/S  
Poul Due Jensens Vej 7  
8850 Bjerringbro, Denmark

## UK declaration of conformity

### UK declaration of conformity

#### Pumps with motors and base frames

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

- **Supply of Machinery (Safety) Regulations 2008**  
Standard used: BS EN 809:1998 + A1:2009
- **The Ecodesign for Energy-Related Products and Energy Information Regulations 2021**
- **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2019.**  
Standards used: EN IEC 63000:2018

#### Bare shaft pumps

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

- **Supply of Machinery (Safety) Regulations 2008**  
Standard used: EN 809:1998 + A1:2009
- **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2019**  
Standards used: EN IEC 63000:2018

This UK declaration of conformity is only valid when published as part of the Grundfos Safety Instruction and other important information (publication number 99328883).

Suzhou, Jiang Su Province, PRC, 08 September 2022



Joachim Krogshave  
Head of PD CBS

Grundfos Holding A/S  
Poul Due Jensens Vej 7  
8850 Bjerringbro, Denmark  
[www.grundfos.com](http://www.grundfos.com)

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

[10000433356]

## Ukrainian declaration of conformity

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GB: Ukrainian declaration of conformity

### **Pumps with motors and base frames**

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:

LS

**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 804, 2018 - Establishing a Framework for the Setting of Ecodesign Requirements for Energy-related Products**

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

Standards used: ДСТУ EN IEC 63000:2020

### **Bare shaft pump**

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:

LS

**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. 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, Stolychne 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.

[99328883]

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UA: Українська декларація відповідності

**Насоси з двигунами та опорними рамами**

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:

LS

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

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

Застосовані стандарти: ДСТУ EN IEC 63000:2020

**Насос із вільним кінцем вала**

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:

LS

**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 № 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.

Suzhou, Jiang Su Province, PRC, 08 September  
2022

Joachim Krogshave

Head of PD CBS

Grundfos Holding A/S

Poul Due Jensens Vej 7

8850 Bjerringbro, Denmark

[www.grundfos.com](http://www.grundfos.com)

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

UA: Виробник та особа, уповноважена підписати  
українську декларацію відповідності

[10000433379]

## Operating manual EAC

RUS

### LS, LSV

#### 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 LS, LSV 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».

Этот раздел руководства по эксплуатации относится только к продуктам с маркировкой ЕАС на фирменной табличке.

KAZ

### LS, LSV

#### 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 «Төлкүжат, Құрастыру және пайдалану бойынша нұсқаулық». Құжат соңында көрсетілген сілтеме арқылы етіліз.

3 бөлім: өнімнің фирмалық тақташасында орналасқан шығарылған үақыты жөніндегі мәлімет

#### Сертификаттау тұралы ақпарат:

LS, LSV типті сорғылар «Төмөн волттық жабдықтардың қауіпсіздігі тұралы» (ТР ТС 004/2011), «Машинадар және жабдықтар қауіпсіздігі тұралы» (ТР ТС 010/2011) «Техникалық заттардың электрлі магниттік сәйкестілігі» (ТР ТС 020/2011) Кеден Одағының, техникалық регламенттерінің талаптарына сәйкес сертификаттанды.

Пайдалану нұсқаулығының бүл бөлімі тек тақтайшадағы ЕАС белгісі бар өнімдерге ғана қатысты.

KG

### LS, LSV

#### Пайдалануу боюнча колдонмо

Аталған жағдайн пайдалануу боюнча колдонмо курамдық жана өзүнө бир нече бөлүкчөнү камтыйт:

1-Бөлүк: «Пайдалануу боюнча колдонмо»

2-Бөлүк: «Паспорт. Пайдалануу жана монтаж боюнча колдонмо» электрондук бөлүгү Грундфос компанияның сайтында жайгашкан. Документтн аяғында көрсөтүлген шилтемеге кайрылызы.

3-Бөлүк: жабдуунун фирмалық тақтасында жайгашкан даярдо мөөнөтү түураулуу маалымат.

#### Шайкештик жөнүндө декларация

LS, LSV түрүндеги сорғуттар Бажы Биримдиктін Техникалық регламенттін талаптарына ылайыктуу тастыкталған: ТР ТБ 004/2011 «Төмөн волттук жабдуунун коопсуздугу жөнүндө»; ТР ТБ 010/2011 «Жабдуу жана машиналардың коопсуздугу жөнүндө»; ТР ТБ 020/2011 «Техникалық караражаттардың электромагниттік шайкештиги».

Куралының Бүл бөлүмдө гана ЕАС Ассошиэйтед жөнүндө белгиси менен азыктарына карата колдонулат.

ARM

### LS, LSV

#### Ծәһілағпәрдімшілдік ақпарат

Сұйыл սарғышқарпімшіл շаһілағпәрдімшіл ձեрнапарлыр քашылашыл է мін քашыл машындарға.

Ұшу 1. үшін «Ծәһілағпәрдімшіл ձեрнапарлыр»:

Ұшу 2. Қызылжарынан ажын ғана үшін «Анаданапары: Ұниташамдік 1

շահագործման ձեռնարկ» տեղադրված «Գրունդֆոս». Անցեք փաստաթղթի վերջում՝ նշված հղումով.  
Մաս 3. տեղեկություն արտադրման ամսաթվի վերաբերյալ՝ նշված սարքավորման պիտակի վրա:

Տեղեկություններ հավաստագրման մասին՝

LS, LSV տիպի պոմպերը սերտիֆիկացված են հասմանայն Մաքսային Միության տեխնիկական կանոնակարգի պահանջների՝ TP TC 004/2011 «Ճաճրավոլուտ սարքավորումների վերաբերյալ», TP TC 010/2011 «Մերենաների և սարքավորումների անվտանգության վերաբերյալ» ; TP TC 020/2011 «Տեխնիկական միջոցների էլեկտրամագնիսական համատեղելիության վերաբերյալ»:  
Օգտագործման ձեռնարկի այս բաժինը վերաբերում է միայն տիպի ափսեի վրա EAC- ի նշագրով ապրանքներին:



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