

# SCALA1

Safety instructions and other important information





# SCALA1

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## English (GB) Safety instructions

### 1. General information

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.

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



### 2.3 Pumped liquids

#### **DANGER**

#### **Explosion risk**

Death or serious personal injury

- Do not use the product for flammable liquids such as diesel oil, petrol or similar liquids. The product must only be used for water.



#### **WARNING**

#### **Electric shock**

Death or serious personal injury

- Do not use the product for aggressive liquids. The product must only be used for water.



#### **WARNING**

#### **Toxic material**

Death or serious personal injury

- Do not use the product for toxic liquids. The product must only be used for water.



## 5. Mechanical installation

**WARNING****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****Electric shock**

Death or serious personal injury



- Mount the product horizontally to avoid condensation in the electrical insulation inside the control box.

**WARNING****Chemical hazard**

Death or serious personal injury



- Before the pump is used for supplying drinking water, flush the pump thoroughly with clean water.

**WARNING****Biological hazard**

Death or serious personal injury



- Before the pump is used for supplying drinking water, flush the pump thoroughly with clean water.

## 6. Electrical connection

Setting up external input

Setting SCALA1 twin booster system

**WARNING****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****Electric shock**

Death or serious personal injury

- The protective earth (PE) of the power outlet must be connected to the protective earth of the pump. The plug must have the same PE connection system as the power outlet.



All electrical connections must be carried out by qualified persons in accordance with local regulations.



If the power cable is damaged, it must be replaced by the manufacturer, the manufacturer's service partner or a similarly qualified person.



## 6.1 Connecting products with a plug

**WARNING****Electric shock**

Death or serious personal injury

- Make sure that the power plug delivered with the product is in compliance with local regulations.
- The plug must have the same protective earth (PE) connection system as the power outlet. If not, use a suitable adapter if allowed by local regulations.





## 6.2 Connecting products without a plug

**WARNING**  
**Electric shock**

Death or serious personal injury

- Power cables without a plug must be connected to a supply disconnecting device incorporated in the fixed wiring according to the local wiring rules.
- The protective earth (PE) of the power outlet must be connected to the protective earth of the pump. The plug must have the same PE connection system as the power outlet.



## 9.2.1.1 Setting up external input

Setting up external input

Setting SCALA1 twin booster system

**WARNING**  
**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**  
**Electric shock**

Death or serious personal injury

- The protective earth (PE) of the power outlet must be connected to the protective earth of the pump. The plug must have the same PE connection system as the power outlet.





All electrical connections must be carried out by qualified persons in accordance with local regulations.



If the power cable is damaged, it must be replaced by the manufacturer, the manufacturer's service partner or a similarly qualified person.

#### 10.2 Setting SCALA1 twin booster system

##### Setting up external input

##### Setting SCALA1 twin booster system

### **WARNING**

#### **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**

#### **Electric shock**

Death or serious personal injury



- The protective earth (PE) of the power outlet must be connected to the protective earth of the pump. The plug must have the same PE connection system as the power outlet.



All electrical connections must be carried out by qualified persons in accordance with local regulations.



If the power cable is damaged, it must be replaced by the manufacturer, the manufacturer's service partner or a similarly qualified person.

## 11. Service

**WARNING****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****Biological hazard**

Death or serious personal injury

- Make sure that the product has only been used for water. If the product has been used for pumping aggressive liquids, flush the system with clean water before you start work on the product.

**WARNING****Chemical hazard**

Death or serious personal injury

- Make sure that the product has only been used for water. If the product has been used for pumping aggressive liquids, flush the system with clean water before you start work on the product.

**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 unpressurise 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.
- Use spare parts approved by Grundfos.



Only qualified persons are allowed to service the pump.

### 12. Starting up after standstill

## WARNING 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 Electric shock

Death or serious personal injury



- Check that the product is intact and not cracked. Especially if the product was not drained before standstill or was exposed to frost.

## 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.

## 12.1 Deblocking the pump

**WARNING****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****Moving parts**

Death or serious personal injury



- Make sure that the product cannot start unexpectedly while deblocking the pump shaft.

## 13. Taking the product out of operation

**WARNING****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.

## 15. Fault finding

**CAUTION****Hot surface**

Minor or moderate personal injury



- Do not run the pump continuously with a closed inlet or outlet valve.

**CAUTION****Hot or cold liquid**

Minor or moderate personal injury



- Make sure that escaping hot or cold liquid does not cause injury to persons or damage to the equipment.

## 16.1 Operating conditions

SCALA1					
	3-25	3-35	3-45	5-25	5-55
Max. ambient temperature	55 °C (131 °F)	55 °C (131 °F)	55 °C (131 °F)	55 °C (131 °F)	55 °C (131 °F)
Max. liquid temperature	45 °C (113 °F)	45 °C (113 °F)	45 °C (113 °F)	45 °C (113 °F)	45 °C (113 °F)
Maximum system pressure [bar (psi)]	8 (116)	8 (116)	8 (116)	8 (116)	8 (116)
Maximum inlet pressure [bar (psi)]	5 (72.5)	4 (58)	3 (43.5)	5 (72.5)	2 (29)
Max. head [m (ft)] 50 Hz	25 (82)	36 (118.1)	44 (144.3)	26 (85.3)	52 (170.6)
Max. head [m (ft)] 60 Hz	25 (82)	35 (114.8)	51 (167.3)	27 (85.3)	53 (173.8)
Nominal head [m (ft)]	15 (49.2)	20 (65.6)	25 (82)	15 (49.2)	25 (82)
Nominal flow [m <sup>3</sup> /h (gpm)]	3.00 (12.19)	3.72 (16.38)	3.59 (15.80)	4.80 (21.12)	5.33 (23.48)
IP Rating	X4D	X4D	X4D	X4D	X4D
Pumped liquid	Clean water	Clean water	Clean water	Clean water	Clean water
Noise level [db(A)]	< 55	< 55	< 55	< 55	< 55
Frequency of starts and stops	25 per hour	25 per hour	25 per hour	25 per hour	25 per hour
Start pressure (pstart) [bar (psi)]	1.2 (17.4)	1.5 (21.8)	2.2 (31.9)	1.2 (17.4)	2.8 (40.6)

## 18. Disposing of the product



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.

### 18.1 Disposing of hazardous or toxic materials

## WARNING Chemical hazard Death or serious personal injury



- Observe the material safety data sheet of the dosing medium.
- Wear protective clothing when working on the dosing head, connections or lines.

- Rinse the parts that have been in contact with the dosing medium.
- Collect and dispose of all chemicals in a way that is not harmful to persons or the environment.

## Appendix A


## A.1. China RoHS SCALA1

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	0	0	0	0	0
印刷电路板	X	0	0	0	0	0
紧固件	X	0	0	0	0	0
管件	X	0	0	0	0	0
定子	X	0	0	0	0	0
转子	X	0	0	0	0	0

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



## Declaration of conformity

**GB: EC/EU declaration of conformity**

We, Grundfos, declare under our sole responsibility that the product SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, to which the declaration below relates, is in conformity with the Council Directives listed below on the approximation of the laws of the EC/EU member states.

**CZ: Prohlášení o shodě EU**

My firma Grundfos prohlašujeme na svou plnou odpovědnost, že výrobek SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, na který se toto prohlášení vztahuje, je v souladu s níže uvedenými ustanoveními směrnice Rady pro sblížení právních předpisů členských států Evropského společenství.

**DK: EF-/EU-overensstemmelseserklæring**

Vi, Grundfos, erklærer under ansvar at produktet SCALA1, SCALA1 TWIN, SCALA1-SYSTEM som erklæringen nedenfor omhandler, er i overensstemmelse med Rådets direktiver der er nævnt nedenfor, om indbyrdes tilnærmelse til EF-/EU-medlemsstaternes lovgivning.

**ES: Declaración de conformidad de la CE/UE**

Grundfos declara, bajo su exclusiva responsabilidad, que el producto SCALA1, SCALA1 TWIN, SCALA1-SYSTEM al que hace referencia la siguiente declaración cumple lo establecido por las siguientes Directivas del Consejo sobre la aproximación de las legislaciones de los Estados miembros de la CE/UE.

**FR: Déclaration de conformité CE/UE**

Nous, Grundfos, déclarons sous notre seule responsabilité, que le produit SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, auquel se réfère cette déclaration, est conforme aux Directives du Conseil concernant le rapprochement des législations des États membres CE/UE relatives aux normes énoncées ci-dessous.

**HR: EC/EU deklaracija sukladnosti**

Mi, Grundfos, izjavljujemo s punom odgovornošću da je proizvod SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, na koja se izjava odnosi u nastavku, u skladu s dolje navedenim direktivama Vijeća o usklađivanju zakona država članica EC/EU-a.

**IT: Dichiarazione di conformità CE/UE**

Grundfos dichiara sotto la sua esclusiva responsabilità che il prodotto SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, al quale si riferisce questa dichiarazione, è conforme alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri CE/UE.

**BG: Декларация за съответствие на ЕС/ЕО**

Ние, фирма Grundfos, заявяваме с пълна отговорност, че продуктът SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, за който се отнася настоящата декларация, отговаря на следните директиви на Съвета за уеднаквяване на правните разпоредби на държавите-членки на ЕС/ЕО.

**DE: EG-/EU-Konformitätserklärung**

Wir, Grundfos, erklären in alleiniger Verantwortung, dass das Produkt SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, auf das sich diese Erklärung bezieht, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EG-/EU-Mitgliedsstaaten übereinstimmt.

**EE: EÜ/ELi vastavusedeklaratsioon**

Meie, Grundfos, kinnitame ja kanname ainuisikulist vastutust selle eest, et toode SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, mille kohta all olev deklaratsioon käib, on kooskõlas Nõukogu Direktiividega, mis on nimetatud all pool vastavalt vastuvõetud õigusaktidele ühtlustamise kohta EÜ/EL liikmesriikides.

**FI: EY-/EU-vaatimustenmukaisuusvakuutus**

Grundfos vakuuttaa omalla vastuullaan, että tuote SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, jota tämä vakuutus koskee, on EY-/EU:n jäsenvaltioiden lainsäädännön lähentämiseen tähtäävien Euroopan neuvoston direktiivien vaatimusten mukainen seuraavasti.

**GR: Δήλωση συμμόρφωσης ΕΚ/ΕΕ**

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι το προϊόν SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, στο οποίο αναφέρεται η παρακάτω δήλωση, συμμορφώνεται με τις παρακάτω Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΚ/ΕΕ.

**HU: EC/EU megfeleléségi nyilatkozat**

Mi, a Grundfos vállalat, teljes felelősséggel kijelentjük, hogy a(z) SCALA1, SCALA1 TWIN, SCALA1-SYSTEM termék, amelyre az alábbi nyilatkozat vonatkozik, megfelel az Európai Unió tagállamainak jogi irányelveit összehangoló tanács alábbi előírásainak.

**LT: EB/ES atitikties deklaracija**

Mes, Grundfos, su visa atsakomybe pareiškiamė, kad produktas SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, kuriam skirta ši deklaracija, atitinka žemiau nurodytas Tarybos direktyvas dėl EB/ES šalių narių įstatymų suderinimo.

**LV: EK/ES atbilstības deklarācija**

Sabiedrība Grundfos ar pilnu atbildību paziņo, ka produkts SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, uz kuru attiecas tālāk redzamā deklarācija, atbilst tālāk norādītajām Padomes direktīvām par EK/ES dalībvalstu normatīvo aktu tuvināšanu.

**PL: Deklaracja zgodności WE/UE**

My, Grundfos, oświadczamy z pełną odpowiedzialnością, że nasz produkt SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, którego deklaracja niniejsza dotyczy, jest zgodny z następującymi dyrektywami Rady w sprawie zbliżenia przepisów prawnych państw członkowskich.

**RO: Declarația de conformitate CE/UE**

Noi Grundfos declarăm pe propria răspundere că produsul SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, la care se referă această declarație, este în conformitate cu Directivele de Consiliu specificate mai jos privind armonizarea legilor statelor membre CE/UE.

**RU: Декларация о соответствии нормам ЕЭС/ЕС**

Мы, компания Grundfos, со всей ответственностью заявляем, что изделие SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, к которому относится нижеприведенная декларация, соответствует нижеприведенным Директивам Совета Евросоюза о тождественности законов стран-членов ЕЭС/ЕС.

**SI: Izjava o skladnosti ES/EU**

V Grundfosu s polno odgovornostjo izjavljamo, da je izdelek SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, na katerega se spodnja izjava nanaša, v skladu s spodnjimi direktivami Sveta o približevanju zakonodaje za izenačevanje pravnih predpisov držav članic ES/EU.

**TR: EC/AB uygunluk bildirgesi**

Grundfos olarak, aşağıdaki bildirim konusunu olan SCALA1, SCALA1 TWIN, SCALA1-SYSTEM ürünlerinin, EC/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 SCALA1, SCALA1 TWIN, SCALA1-SYSTEM 系列，其制造和性能完全符合以下所列欧盟委员会指令。

**NL: EG-/EU-conformiteitsverklaring**

Wij, Grundfos, verklaren geheel onder eigen verantwoordelijkheid dat product SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, 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 EG-/EU-lidstaten.

**PT: Declaração de conformidade CE/UE**

A Grundfos declara sob sua única responsabilidade que o produto SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, ao qual diz respeito a declaração abaixo, está em conformidade com as Directivas do Conselho sobre a aproximação das legislações dos Estados Membros da CE/UE.

**RS: Deklaracija o usklađenosti EC/EU**

Mi, kompanija Grundfos, izjavljujemo pod punom vlastitom odgovornošću da je proizvod SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, na koji se odnosi deklaracija ispod, u skladu sa dole prikazanim direktivama Saveta za usklađivanje zakona država članica EC/EU.

**SE: EG-/EU-försäkran om överensstämmelse**

Vi, Grundfos, försäkrar under ansvar att produkten SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, som omfattas av nedanstående försäkran, är i överensstämmelse med de rättsdirektiv om inbördes närmande till EG-/EU-medlemsstaternas lagstiftning som listas nedan.

**SK: EC/EU vyhlásenie o zhode**

My, spoločnosť Grundfos, vyhlasujeme na svoju plnú zodpovednosť, že produkt SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, na ktorý sa vyhlásenie uvedené nižšie vzťahuje, je v súlade s ustanoveniami nižšie uvedených smerníc Rady pre zblíženie právnych predpisov členských štátov EC/EU.

**UA: Декларация відповідності директивам EC/UE**

Ми, компанія Grundfos, під нашу одноосібну відповідальність заявляємо, що виріб SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, до якого відноситься нижченаведена декларація, відповідає директивам EC/UE, переліченим нижче, щодо тотожності законів країн-членів ЄС.

**JP: EC/EU 適合宣言**

Grundfos は、その責任の下に、SCALA1, SCALA1 TWIN, SCALA1-SYSTEM 製品が EC/EU 加盟諸国の法規に関連する、以下の評議会指令に適合していることを宣言します。

**KO: EC/EU 적합성 선언**

Grundfos는 아래의 선언과 관련된 SCALA1, SCALA1 TWIN, SCALA1-SYSTEM 제품이 EU 회원국 법률에 기반하여 아래의 이사회 지침을 준수함을 단독 책임 하에 선언합니다.

**ID: Deklarasi kesesuaian Komunitas Eropa/Uni Eropa**

Kami, Grundfos, menyatakan dengan tanggung jawab kami sendiri bahwa produk SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, yang berkaitan dengan pernyataan ini, sesuai dengan Petunjuk Dewan serta sedapat mungkin sesuai dengan hukum negara-negara anggota Komunitas Eropa/Uni Eropa.

**MK: Декларација за сообразност на ЕЗ/ЕУ**

Ние, Grundfos, изјавуваме под целосна одговорност дека производот SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, на кого се однесува долунаведената декларација, е во согласност со овие директиви на Советот за приближување на законите на земјите-членки на ЕЗ/ЕУ.

**NO: EFs/EUs samsvarsærklæring**

Vi, Grundfos, erklærer under vårt eneansvar at produktet SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, som denne erklæringen gjelder, er i samsvar med Det europeiske råds direktiver om tilnærming av forordninger i EF-/EU-landene.

**TH: คำประกาศความสอดคล้องตามมาตรฐาน EC/EU**

เราในนามของบริษัท Grundfos ขอประกาศภายใต้ความรับผิดชอบของเราแต่เพียงผู้เดียวว่าผลิตภัณฑ์ SCALA1, SCALA1 TWIN, SCALA1-SYSTEM ซึ่งเกี่ยวข้องกับคำประกาศนี้มีความสอดคล้องกับระเบียบค่าสิ่งตามรายการด้านล่างนี้ของสภาวิชาชีพว่าด้วยค่าประมาณตามกฎหมายของรัฐที่เป็นสมาชิก EC/EU

**IS: EB/ESB-samræmisýfirlýsing**

Við, Grundfos, lýsum því yfir og ábyrgjumst að fullu að varan SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, sem þessi yfirlýsing á við um, samræmist tilskipunum ráðs Evrópubandalaganna um samræmingu laga aðildarríkja EB/ESB.

**BS: Izjava o usklađenosti EC/EU**

Mi, kompanija Grundfos, izjavljujemo pod vlastitom odgovornošću da je proizvod SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, na koji se odnosi izjava ispod, u skladu sa niže prikazanim direktivama Vijeća o usklađivanju zakona država članica EC/EU.

**KZ: Сәйкестік жөніндегі ЕК/ЕО декларациясы**

Біз, Grundfos, ЕК/ЕО мүше елдерінің заңдарына жақын төменде көрсетілген Кеңес директиваларына сәйкес төмендегі декларацияға қатысты SCALA1, SCALA1 TWIN, SCALA1-SYSTEM өнімі біздің жеке жауапкершілігімізде екенін мәлімдейміз.

**MY: Perisytiharan keakuran EC/EU**

Kami, Grundfos, mengisytiharkan di bawah tanggungjawab kami semata-mata bahawa produk SCALA1, SCALA1 TWIN, SCALA1-SYSTEM, yang berkaitan dengan perisytiharan di bawah, akur dengan Perintah Majlis yang disenaraikan di bawah ini tentang penghampiran undang-undang negara ahli EC/EU.

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

نقر نحن، جرونڤوس، بمقتضى مسؤوليتنا الفردية بأن المنتج SCALA1, SCALA1 TWIN, SCALA1-SYSTEM الذي يختص به الإقرار أدناه، يكون مطابقاً لتوجيهات المجلس المذكورة أدناه بشأن التقريب بين قوانين الدول أعضاء الاتحاد الأوروبي (EC/ EU).

**VI: Tuyên bố tuân thủ EC/EU**

Chúng tôi, Grundfos, tuyên bố trong phạm vi trách nhiệm duy nhất của mình rằng sản phẩm SCALA1, SCALA1 TWIN, SCALA1-SYSTEM 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 EC/EU.

- Radio Equipment Directive (2014/53/EU).  
Standards used:  
EN 60335-1: 2012/A11:2014 + A12:2017 + A13:2017  
EN 60335-2-41:2003 + A1:2004 + A2:2010  
EN 62479:2010  
EN 301 489-1 V2.2.0  
EN 301 489-17 V2.2.1  
EN 300 328 V2.1.1
- 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 safety instructions (publication number 99742086).

Bjerringbro, 09 February 2021



Steen Tøffner-Clausen  
Head of PD DBS  
Grundfos Holding A/S  
Poul Due Jensens Vej 7  
8850 Bjerringbro, Denmark

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

## 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:

SCALA1, SCALA1 TWIN, SCALA1 SYSTEM

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 60335-2-41:2013

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:

SCALA1

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 60335-2-41:2013

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

**AR: إقرار المطابقة المغربي**

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:

سار على منتجات جروندفوس:

SCALA1

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 60335-2-41:2013

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

Bjerringbro, 09 February 2021



Steen Tøffner-Clausen  
Head of PD DBS  
Grundfos Holding A/S  
Poul Due Jensens Vej 7  
8850 Bjerringbro, Denmark

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 المغربي.  
10000252325

## Declaration of conformity

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### 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:

SCALA1, SCALA1 TWIN, SCALA1 SYSTEM

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- Electrical Equipment (Safety) Regulations 2016  
Standards used: EN 61439-1:2011, EN 61439-2:2011
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012  
Standards 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, 09 February 2021



Steen Tøffner-Clausen  
Head of PD DBS  
Grundfos Holding A/S  
Poul Due Jensens Vej 7  
8850 Bjerringbro, Denmark

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

10000252325

RUS

**SCALA1****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 SCALA1 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».

KAZ

**SCALA1****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 тақтасында орналасқан шығарылған уақыты жөніндегі мәлімет Сертификаттау туралы ақпарат:

SCALA1 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 сертифицираталды.

KG

**SCALA1****Пайдалану боюнча колдонмо**

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

1-Бөлүк: «Пайдалану боюнча колдонмо»

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

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

Шайкештик жөнүндө декларация

SCALA1 түрүндөгү соргучтар Бажы Биримдиктин Техникалык регламенттин талаптарына ылайыктуу тастыкталган: ТР ТБ 004/2011 «Төмөн вольттук жабдуунун коопсуздугу жөнүндө»; ТР ТБ 010/2011 «Жабдуу жана машиналардын коопсуздугу жөнүндө»; ТР ТБ 020/2011 «Техникалык каражаттардын электромагниттик шайкештиги».



ARM

# SCALA1

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՝

SCALA1 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՝

<http://net.grundfos.com/qr/i/99735772>

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