



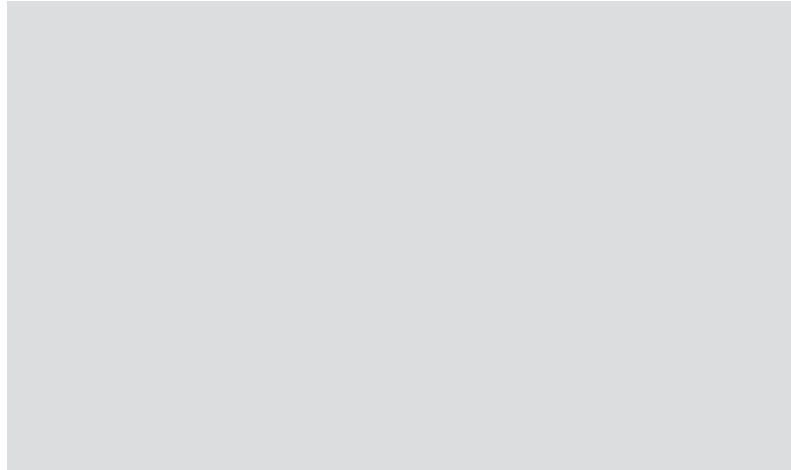
UPS3



GB: Warning

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.





Max. 95 % RH
IPX4D



Min. / Max.
+2 °C / +95 °C



Max. 1.0 MPa
(10 bar)



Max. 2000 m





Min. / Max.
0 °C / +55 °C



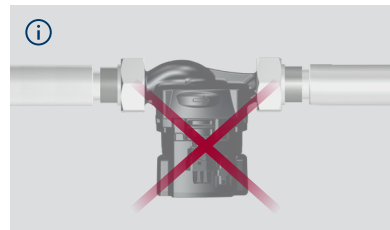
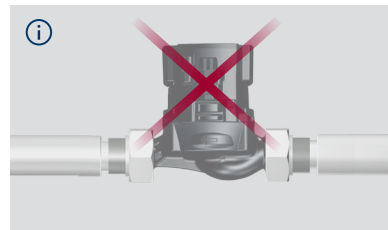
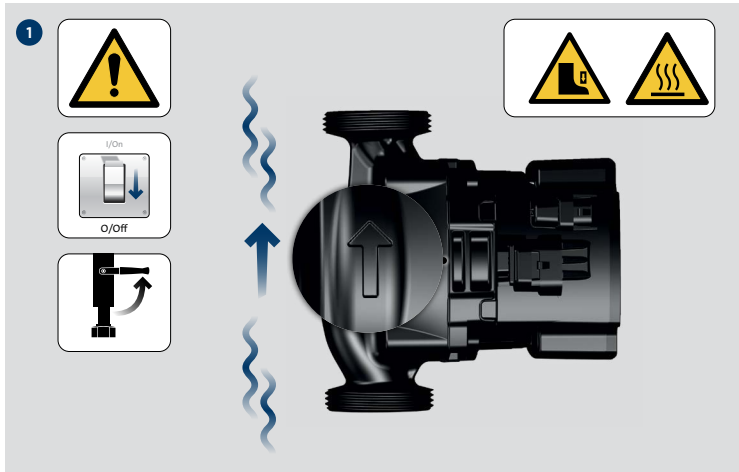
< 32 dB(A)

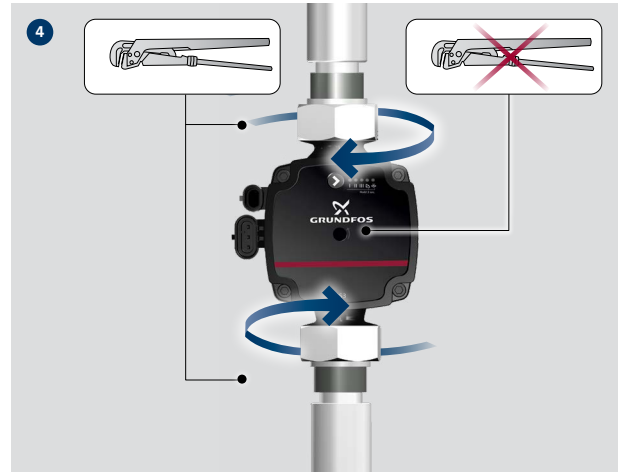
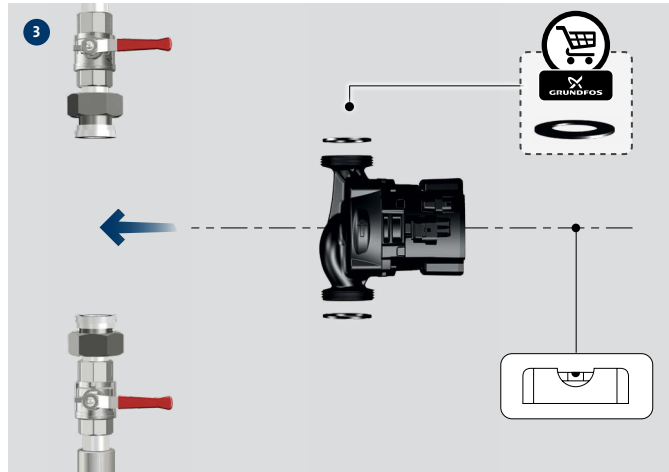
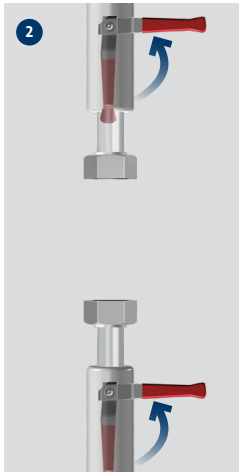


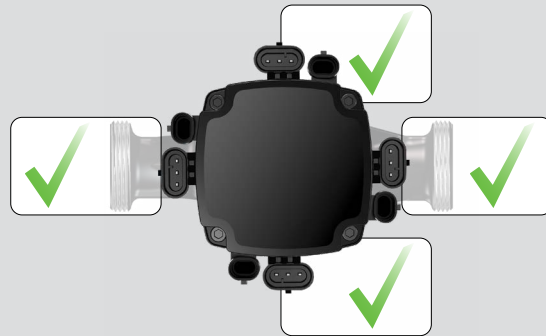
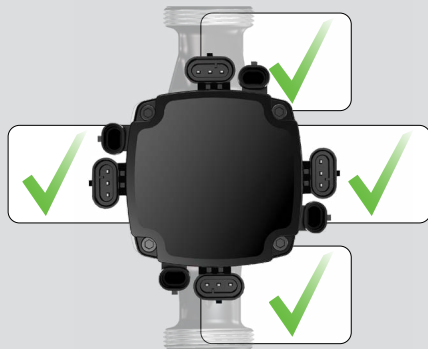
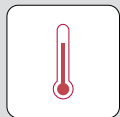
Max. 50 % Glycol
Max. 10 mm²/s Viscosity

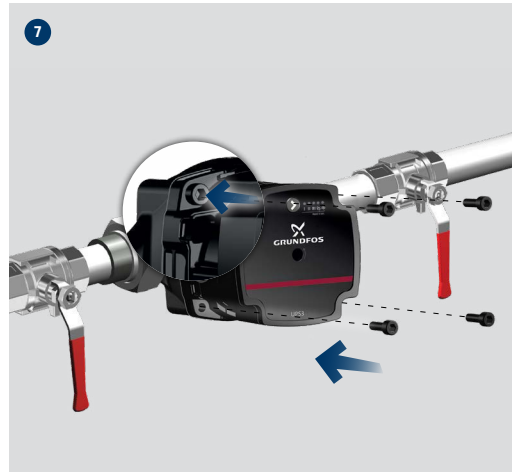
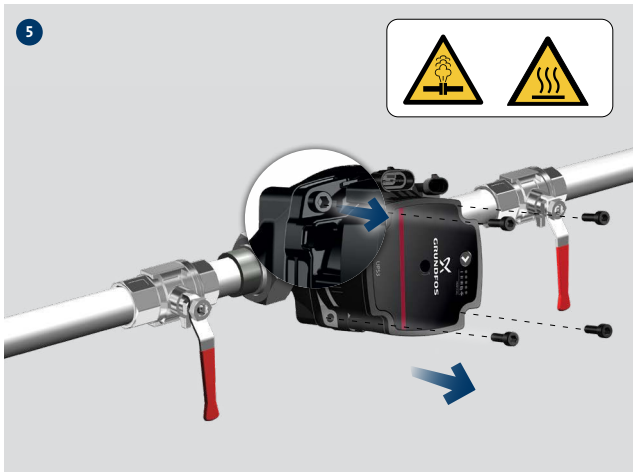
	75 °C	95 °C
	0.005 MPa 0.05 bar	0.05 MPa 0.5 bar

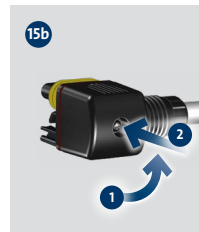
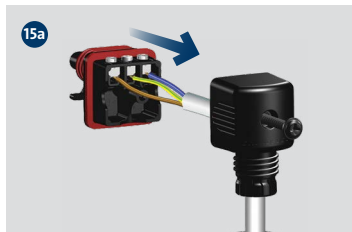
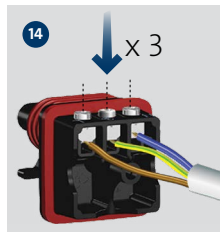
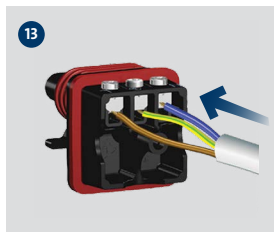
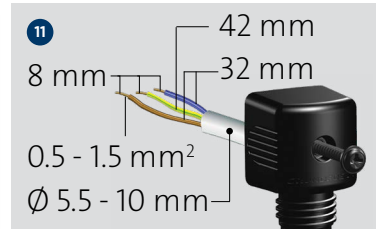
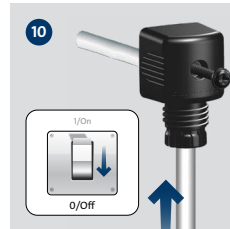
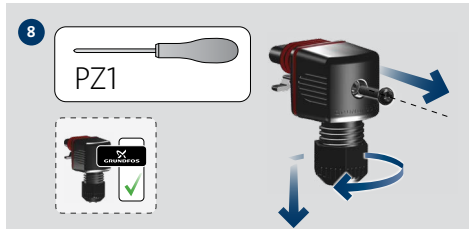










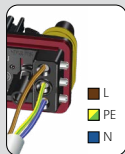




18a

INTERNALLY CONTROLLED

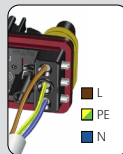
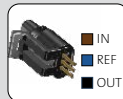
1 x 230 V - 15 %/+ 10 %
~ 50/60 Hz ⚡

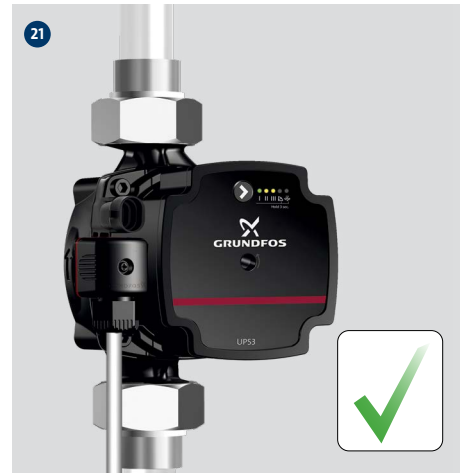
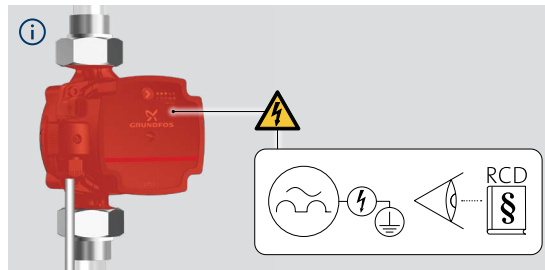
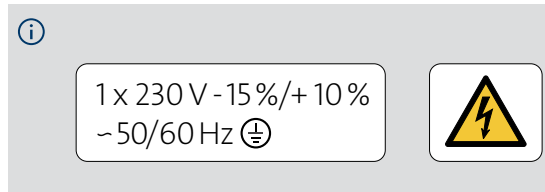


18b

EXTERNALLY CONTROLLED PWM A PROFILE

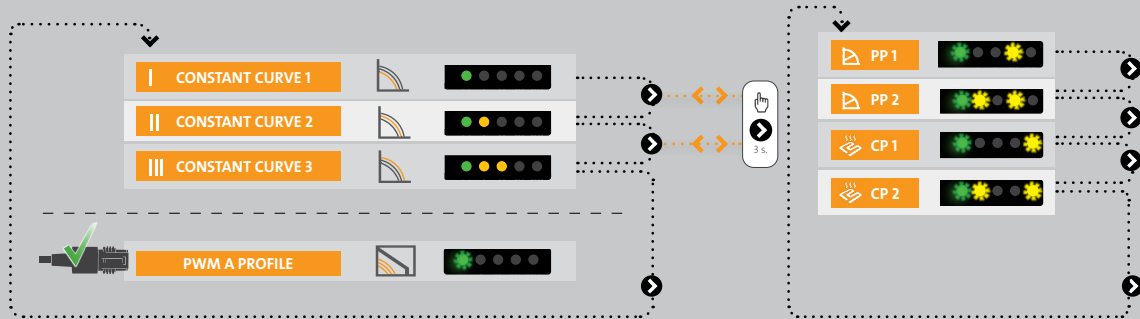
1 x 230 V - 15 %/+ 10 %
~ 50/60 Hz ⚡



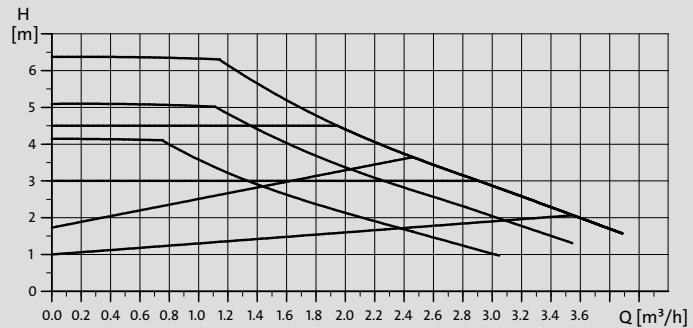




CONTROL MODE SETTINGS



net.grundfos.com/qr/i/99423997





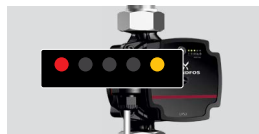
ALARM STATUS

-  Blocked
-  Supply voltage low
-  Electrical error

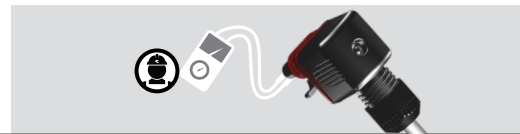
FAULT



DISPLAY



SOLUTION





GB: EU declaration of conformity

We, Grundfos, declare under our sole responsibility that the products marked with GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG 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:

BG: Декларация за съответствие на ЕО

Ние, фирма Grundfos, заявяваме с пълна отговорност, че продуктите GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG за които се отнася настоящата декларация, отговарят на следните директиви на Съвета за уеднаквяване на правните разпоредби на държавите-членки на ЕО.

CZ: Prohlášení o shodě EU

My firma Grundfos prohlašujeme na svou plnou odpovědnost, že výrobky GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG na které se toto prohlášení vztahuje, jsou v souladu s níže uvedenými ustanoveními směrnice Rady pro sblížení právních předpisů členských států Evropského společenství.

DE: EU-Konformitätserklärung

Wir, Grundfos, erklären in alleiniger Verantwortung, dass die Produkte GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG auf die sich diese Erklärung bezieht, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EU-Mitgliedsstaaten übereinstimmen:

DK: EF-overensstemmelses-erklæring

Vi, Grundfos, erklærer under ansvar at produkterne mærket med GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG som erklæringen nedenfor omhandler, er i overensstemmelse med Rådets direktiver der er nævnt nedenfor, om indbyrdes tilnærmelse til EF/EU-medlemsstaternes lovgivning.

EE: EÜvastavusdeklaratsioon

Meie, Grundfos, kinnitame ja kanname ainuiskulist vastutust selle eest, et toode GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG mille kohta all olev deklaratsioon käib, on kooskõlas Nõukogu Direktiividega, mis on nimetatud all pool vastavalt vastuvõetud õigusaktidele ühtlustamise kohta EÜ liikmesriikides.
ES: Declaración de conformidad de la UE

Grundfos declara, bajo su exclusiva

responsabilidad, que los productos GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG 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.

FI: EU-vaatimusten mukaisuusvakuutus

Grundfos vakuuttaa omalla vastuullaan, että tuotteet GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG, GFNHF, GFNKG, GFNKH, GFNJF and GFNJG, joita tämä vakuutus koskee, ovat EU:n jäsenvaltioiden lainsäädännön lähentämiseen tähtäävien Euroopan neuvoston direktiivien vaatimusten mukaisia seuraavasti.

FR: Déclaration de conformité UE

Nous, Grundfos, déclarons sous notre seule responsabilité, que les produits GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG 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.

GR: Δήλωση συμμόρφωσης ΕΕ

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι τα προϊόντα GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG στα οποία αναφέρεται η παρακάτω δήλωση, συμμορφώνονται με τις παρακάτω Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΕ.

HR: EU deklaracija sukladnosti

Mi, Grundfos, izjavljujemo s punom odgovornošću da su proizvodi GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG na koja se izjava odnosi u nastavku, u skladu s dolje navedenim direktivama Vijeća o usklađivanju zakona država članica EU-a.

HU: EU megfeleléségi nyilatkozat

Mi, a Grundfos vállalat, teljes felelősséggel kijelentjük, hogy a(z) GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG termékek, amelyre az alábbi nyilatkozat vonatkozik, megfelelnek az Európai Unió tagállamainak jogi irányelveit összehangoló tanács alábbi előírásainak.



IT: Dichiarazione di conformità UE

Grundfos dichiara sotto la sua esclusiva responsabilità che i prodotti GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG ai quale si riferisce questa dichiarazione, sono conformi alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri UE.

LT: ES atitikties deklaracija

Mes, Grundfos, su visa atsakomybe pareiškiame, kad produktai GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG kuriems skirta ši deklaracija, atitinka žemiau nurodytas Tarybos Direktyvas dėl ES šalių narių įstatymų suderinimo.

LV: ES atbilstības deklarācija

Sabiedrība Grundfos ar pilnu atbildību paziņo, ka produkti GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG uz kuru attiecas tālāk redzamā deklarācija, atbilst tālāk norādītajām Padomes direktīvām par ES dalībvalstu normatīvo aktu tuvināšanu.

NL: EU-conformiteitsverklaring

Wij, Grundfos, verklaren geheel onder eigen verantwoordelijkheid dat de producten GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG 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.

PL: Deklaracja zgodności UE

My, Grundfos, oświadczamy z pełną odpowiedzialnością, że nasze produkty z oznaczeniem GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG, których deklaracja niniejsza dotyczy, są zgodne z następującymi dyrektywami Rady w sprawie zbliżenia przepisów prawnych państw członkowskich:

PT: Declaração de conformidade UE

A Grundfos declara sob sua única responsabilidade que os produtos GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG aos quais diz respeito a declaração abaixo, estão em conformidade com as Directivas do Conselho sobre a aproximação das legislações dos Estados Membros da UE.

RO: Declarația de conformitate UE

Noi Grundfos declarăm pe propria răspundere că produsele GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG la care se referă această declarație, sunt în conformitate cu Directivele de Consiliu specificate mai jos privind armonizarea legilor statelor membre UE.

RS: Deklaracija o usklađenosti EU

Mi, kompanija Grundfos, izjavljujemo pod punom vlastitom odgovornošću da je proizvod GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG na koji se odnosi deklaracija ispod, u skladu sa dole prikazanim direktivama Saveta za usklađivanje zakona država članica EU.

RU: Декларация о соответствии нормам ЕС

Мы, компания Grundfos, со всей ответственностью заявляем, что изделия GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG к которым относится нижеприведённая декларация, соответствуют нижеприведённым Директивам Совета Евросоюза о тождественности законов стран-членов ЕС.

SE: EU-försäkran om överensstämmelse

Vi, Grundfos, försäkrar under ansvar att produkterna GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG som omfattas av nedanstående försäkran, är i överensstämmelse med de rådsdirektiv om inbördes närmande till EU-medlemsstaternas lagstiftning som listas nedan.

SI: Izjava o skladnosti EU

V Grundfosu s polno odgovornostjo izjavljamo, da je izdelek GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG na katerega se spodnja izjava nanaša, v skladu s spodnjimi direktivami Sveta o približevanju zakonodaje za izenačevanje pravnih predpisov držav članic EU.

SK: ES vyhlásenie o zhode

My, spoločnosť Grundfos, vyhlasujeme na svoju plnú zodpovednosť, že produkty GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG na ktoré sa vyhlásenie uvedené nižšie vzťahuje, sú v súlade s ustanoveniami nižšie uvedených smerníc Rady pre zblíženie právnych predpisov členských štátov EÚ.



TR: AB uygunluk bildirgesi

Grundfos olarak, aşağıdaki bildirim konusu olan GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG, ürünlerinin, AB Üye ülkelerinin direktiflerinin yakınlaştırılmasıyla ilgili durumun aşağıdaki Konsey Direktifleriyle uyumlu olduğunu ve bununla ilgili olarak tüm sorumluluğun bize ait olduğunu beyan ederiz.

UA: Свідчення про відповідність вимогам ЄС

Ми, компанія Grundfos, під нашу одноосібну відповідальність заявляємо, що вироби GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG до яких відноситься нижченаведена декларація, відповідають директивам ЕУ, переліченим нижче, щодо тотожності законів країн-членів ЄС.

Low Voltage Directive (2014/35/EU)

Standards used:

- EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021
- EN 60335-2-51:2003+A1:2008+A2:2012

EMC Directive (2014/30/EU)

Standards used:

- EN 55014-1:2017
- EN 55014-2:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013

RoHS Directive (2011/65/EU) and (2015/863/EU)

Standards used:

- EN IEC 63000:2018

Ecodesign Directive (2009/125/EC)

Commission Regulation (EC) No 641/2009

Commission Regulation (EC) No 622/2012

Standards used:

- EN 16297-1:2012
- EN 16297-2:2012
- EN 16297-3:2012

EEI ≤ 0.23 (see individual data sheet or name plate).

The benchmark for the most efficient circulators is EEI ≤ 0.20.

Bjerringbro, 15 February 2022

Jannek Uldal-Christesen
Senior Director – HVAC OEM

GRUNDFOS Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark

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



GB: 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.

UK declaration of conformity

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

Valid for Grundfos products:

GFNHB, GFNKB, GFNKC, GFNJB, GFNJC, GFNJD, GFNJF, GFNJG.

Electrical Equipment (Safety) Regulations 2016

Standards used: EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021

Electromagnetic Compatibility Regulations 2016

Standards used: BS EN 55014-1: 2017, BS EN 55014-2: 2015, BS EN 61000-3-2: 2014, BS EN 61000-3-3:2013

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Standards used: BS EN IEC 63000: 2018

The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019 using Regulation (EC) No 641/2009 and Regulation (EU) No 622/2012.

Standards used:

BS EN 16297-1: 2012, BS EN 16297-2: 2012, BS EN 16297-3: 2012
EEI $\leq$ 0.23 (see individual data sheet or name plate). The benchmark for the most efficient circulators is EEI $\leq$ 0.20.

Bjerringbro, 15 February 2022

Jannek Uldal-Christesen

Senior Director

GRUNDFOS Holding A/S

Poul Due Jensens Vej 7

DK-8850 Bjerringbro, Denmark

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

**Argentina**

Bombas GRUNDFOS de Argentina S.A.
Phone: +54-3327 414 444
Telefax: +54-3327 411 111

Australia

GRUNDFOS Pumps Pty. Ltd.
Phone: +61-8-8461-4611
Telefax: +61-8-8340 0155

Austria

GRUNDFOS Pumpen Vertrieb Ges.m.b.H.
Tel.: +43-6246-883-0
Telefax: +43-6246-883-30

Belgium

N.V. GRUNDFOS Bellux S.A.
Tél.: +32-3-870 7300
Télécopie: +32-3-870 7301

Belarus

Представительство ГРУНДФОС в Минске
Тел.: +375 17 397 397 3
+375 17 397 397 4
Факс: +375 17 397 397 1

Bosnia and Herzegovina

GRUNDFOS Sarajevo
Phone: +387 33 592 480
Telefax: +387 33 590 465
www.ba.grundfos.com
email: grundfos@bih.net.ba

Brazil

BOMBAS GRUNDFOS DO BRASIL
Phone: +55-11 4393 5533
Telefax: +55-11 4343 5015

Bulgaria

Grundfos Bulgaria EOOD
Tel. +359 2 49 22 200
Fax. +359 2 49 22 201

Canada

GRUNDFOS Canada Inc.
Phone: +1-905 829 9533
Telefax: +1-905 829 9512

China

GRUNDFOS Pumps (Shanghai) Co. Ltd.
Phone: +86-021-612 252 22
Telefax: +86-021-612 253 33

COLOMBIA

GRUNDFOS Colombia S.A.S.
Phone: +57(1)-2913444
Telefax: +57(1)-8764586

Croatia

GRUNDFOS CROATIA d.o.o.
Phone: +385 1 6595 400
Telefax: +385 1 6595 499

**GRUNDFOS Sales
Czechia and Slovakia
s.r.o.**
Phone: +420-585-716 111

Denmark

GRUNDFOS DK A/S
Tlf: +45-87 50 50 50
E-mail: info_GDK@grundfos.com
www.grundfos.com/DK

Estonia

GRUNDFOS Pumps Eesti OÜ
Tel: +372 606 1690
Fax: +372 606 1691

Finland

OY GRUNDFOS Pumput AB
Phone: +358-(0)207 889 500

France

Pompes GRUNDFOS Distribution S.A.
Tél.: +33-4 74 82 15 15
Télécopie: +33-4 74 94 10 51

Germany

GRUNDFOS GMBH
Tel.: +49-(0) 211 929 69-0
e-mail: infoservice@grundfos.de
Service in Deutschland:
e-mail: kundendienst@grundfos.de

Greece

GRUNDFOS Hellas A.E.B.E.
Phone: +0030-210-66 83 400
Telefax: +0030-210-66 46 273

Hong Kong

GRUNDFOS Pumps (Hong Kong) Ltd.
Phone: +852-27861706/27861741
Telefax: +852-27858664

Hungary

GRUNDFOS Hungária Kft.
Phone: +36-23 511 110
Telefax: +36-23 511 111

India

GRUNDFOS Pumps India Private Limited
Phone: +91-44 4596 6800

Indonesia

PT GRUNDFOS Pompa
Phone: +62 21-469 51900
Telefax: +62-21-460 6910/460 6901

Ireland

GRUNDFOS (Ireland) Ltd.
Phone: +353-1-4089 800
Telefax: +353-1-4089 830

Italy

GRUNDFOS Pompe Italia S.r.l.
Tel.: +39-02-95838112
Telefax: +39-02-95309290/95838461

Japan

GRUNDFOS Pumps K.K.
Phone: +81 53 428 4760
Telefax: +81 53 428 5005

Korea

GRUNDFOS Pumps Korea Ltd.
Phone: +82-2-5317 600
Telefax: +82-2-5633 725

Latvia

SIA GRUNDFOS Pumps Latvia
Tālr.: +371 714 9640, 7 149 641
Fakss: +371 914 9646

Lithuania

GRUNDFOS Pumps UAB
Tel: +370 52 395 430
Fax: +370 52 395 431

Malaysia

GRUNDFOS Pumps Sdn. Bhd.
Phone: +60-3-5569 2922
Telefax: +60-3-5569 2866

Mexico

Bombas GRUNDFOS de México S.A. de C.V.
Phone: +52-81-8144 4000
Telefax: +52-81-8144 4010

Netherlands

GRUNDFOS Netherlands
Tel.: +31-88-478 6336
Telefax: +31-88-478 6332 s

New Zealand

GRUNDFOS Pumps NZ Ltd.
Phone: +64-9-415 3240
Telefax: +64-9-415 3250

Norway

GRUNDFOS Pumper A/S
Tlf.: +47-22 90 47 00
Telefax: +47-22 32 21 50

Poland

GRUNDFOS Pompy Sp. z o.o.
Tel: (+48-61) 650 13 00
Fax: (+48-61) 650 13 50

Portugal

Bombas GRUNDFOS Portugal, S.A.
Tel.: +351-21-440 76 00
Telefax: +351-21-440 76 90

Romania

GRUNDFOS Pompe România SRL
Phone: +40 21 200 4100
E-mail: romania@grundfos.ro

Russia

ООО Грундфос Россия
Тел. (+7) 495 737 30 00,
564 88 00
E-mail grundfos.moscow@grundfos.com

Serbia

Grundfos Srbija d.o.o.
Phone: +381 11 2258 740
Telefax: +381 11 2281 769

Singapore

GRUNDFOS (Singapore) Pte. Ltd.
Phone: +65-6681 9688
Telefax: +65-6681 9689

Slovakia

GRUNDFOS s.r.o.
Phona: +421 2 5020 1426

Slovenia

GRUNDFOS LJUBLJANA, d.o.o.
Phone: +386 (0) 1 568 06 10
Telefax: +386 (0) 1 568 06 19

South Africa

GRUNDFOS (PTY) LTD
Phone: (+27) 10 248 6000
Fax: (+27) 10 248 6002
E-mail: lgradidge@grundfos.com

Spain

Bombas GRUNDFOS España S.A.
Tel.: +34-91-848 8800
Telefax: +34-91-628 0465

Sweden

GRUNDFOS AB
Tel: +46(0)771-32 23 00
Telefax: +46(0)31-331 94 60

Switzerland

GRUNDFOS Pumpen AG
Tel.: +41-44-806 8111
Telefax: +41-44-806 8115

Taiwan

GRUNDFOS Pumps (Taiwan) Ltd.
Phone: +886-4-2305 0868
Telefax: +886-4-2305 0878

Thailand

GRUNDFOS (Thailand) Ltd.
Phone: +66-2-725 8999
Telefax: +66-2-725 8998

Turkey

GRUNDFOS POMPA San. ve Tic. Ltd. Sti.
Phone: +90 - 262-679 7979
Telefax: +90 - 262-679 7905
E-mail: satis@grundfos.com

Ukraine

Бізнес Центр Європа
Телефон: (+38 044) 237 04 00
Факс: (+38 044) 237 04 01

United Arab Emirates

GRUNDFOS Gulf Distribution
Phone: +971-4- 8815 166
Telefax: +971-4-8815 136

United Kingdom

GRUNDFOS Pumps Ltd.
Phone: +44-1525-850000
Telefax: +44-1525-850011

U.S.A.

GRUNDFOS Pumps Corporation
Phone: +1-913-227-3400
Telefax: +1-913-227-3500

Uzbekistan

Grundfos Tashkent, Uzbekistan
The Representative Office of Grundfos Kazakhstan in Uzbekistan
Телефон: (+998) 71 150 3290 / 71 150 3291
Факс: (+998) 71 150 3292

Addresses revised 31.03.2020



A light gray rectangular area containing ten horizontal lines for writing, evenly spaced and spanning most of the width of the page.

A light gray rectangular area containing ten horizontal lines for writing, evenly spaced and spanning most of the width of the page.

