

DMX 226

Safety instructions and other important information



Installation and operating instructions

<http://net.grundfos.com/qr//91834766>

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GRUNDFOS 

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 is 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.

Safety of the system in case of a failure in the dosing pump

Note

Design your dosing system with monitoring and control functions to safeguard the entire system.

General information

Warning



Other applications or the operation of pumps in ambient and operating conditions, which are not approved, are considered improper and are not permitted. Grundfos accepts no liability for any damage resulting from incorrect use.

Warning



When using explosion-proof pumps in potentially explosive areas according to the 2014/34/EU directive, the instructions "ATEX-approved pumps" as well as the instructions in this manual must be observed.

Safety

Warning



Electrical connections must only be carried out by qualified personnel!
The pump housing must only be opened by personnel authorised by Grundfos!

Technical data

The installation site must be under cover!

Ensure that the enclosure class of motor and pump are not affected by the atmospheric conditions.

Pumps with electronics are only suitable for indoor use! Do not install outdoors!

Warning

Risk of hot surfaces!

Pumps with AC motors may become hot.

Allow a minimum space of 100 mm above the fan cover!



Applications

In the event of questions regarding the material resistance and suitability of the pump for specific dosing media, please contact Grundfos.

Caution

Warning

When using explosion-proof pumps in potentially explosive areas according to the 2014/34/EU directive, the instructions "ATEX-approved pumps" as well as the instructions in this manual must be observed.



Caution

Observe the freezing and boiling points of the dosing medium!

Transport and storage

Do not throw or drop the pump.

Store the pump in a dry and cool place.

Store the pump in upright position so that the gear grease cannot leak out.

Caution

Do not use the protective packaging as transport packaging.

Observe the permissible storage temperature!

Grundfos accepts no liability for damage caused by incorrect transportation or missing or unsuitable packaging of the pump!

Caution

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

Caution

The replacement of the supply cable must be carried out by an authorised Grundfos service workshop.

Caution

Installation



Warning

Risk of hot surfaces!

Pumps with AC motors may become hot. Allow a minimum space of 100 mm to the fan cover!

Caution

Gently tighten the screws in order not to damage the plastic enclosure!



Warning

All lines must be free from strain!

Only use the prescribed line types!

Electrical connections

Warning

Electrical connections must only be carried out by qualified personnel!



Disconnect the power supply before connecting the power supply cable and the relay contacts!

Observe the local safety regulations!



Warning

The pump housing must only be opened by personnel authorised by Grundfos!



Warning

Protect the cable connections and plugs against corrosion and humidity.

Only remove the protective caps from the sockets that are being used.

Caution

The power supply must be electrically isolated from the signal inputs and outputs.

Note

The pump is switched off by switching off the power supply.

Do not switch on the power supply until the pump is going to be started.

Observe the direction of rotation!

A motor protector, adjusted to the rated motor current, must be provided by the customer.

Caution

This is also necessary for versions with AR control unit!

When the pump is used with a frequency converter, the jumpers in the terminal box have to be set according to the converter voltage.

The jumpers of three-phase motors are factory-set for star connection.

Commissioning

Caution

Before start-up, replace the screw plug by the deaeration screw!

During transport, the deaeration opening must be closed with the screw plug!

Caution

After initial start-up and after each time the diaphragm is changed, tighten the dosing head screws.

After approximately 6-10 operating hours or two days, cross-tighten the dosing head screws using a torque wrench.

Maximum torque: 6 Nm.

Operation

In the event of a diaphragm leakage, the dosing liquid may leak out of the hole in the intermediate flange between the pump and the dosing head. The parts inside the housing are protected from the dosing liquid for a short time (depending on the type of liquid) by the housing sealing. It is necessary to check regularly (daily) if liquid is leaking out of the intermediate flange.

Caution

For maximum safety, we recommend the pump version with diaphragm leakage detection.

Caution

Before switching on the pump, check that it is installed correctly. Refer to sections [Installation](#) and [Commissioning](#).

Caution

Adjust the stroke length only while the pump is running!

Integral relief valve



Warning

Dosing heads with integral relief valve must not be used for abrasive or crystallising media.



Warning

Never start the pump if the overflow line is not correctly connected to the relief valve.



Warning

Settings on the relief valve must only be carried out by authorised and qualified personnel!



Warning

Never set the opening pressure to values higher than the maximum permissible operating pressure of the dosing system and dosing pump.



Warning

When dosing dangerous media, observe the corresponding safety precautions!

Wear protective clothing (gloves and goggles) when working on the dosing head, connections or lines!

Maintenance

Warning

When dosing dangerous media, observe the corresponding safety precautions!

Risk of chemical burns!



Wear protective clothing (gloves and goggles) when working on the dosing head, connections or lines!

Do not allow any chemicals to leak from the pump. Collect and dispose of all chemicals correctly!

Warning

The pump housing must only be opened by personnel authorised by Grundfos!



Repairs must only be carried out by authorised and qualified personnel!

Switch off the pump and disconnect it from the power supply before carrying out maintenance work and repairs!

In the event of a diaphragm leakage, the dosing liquid may leak out of the hole in the intermediate flange between the pump and the dosing head. The parts inside the housing are protected from the dosing liquid for a short time (depending on the type of liquid) by the housing sealing. It is necessary to check regularly (daily) if liquid is leaking out of the intermediate flange.

Caution

For maximum safety, we recommend the pump version with diaphragm leakage detection.

Warning

The gear grease must only be changed by authorised and qualified personnel.



For this purpose, send the pump to Grundfos or an authorised service workshop.

Caution

If possible, rinse the dosing head, e.g. by supplying it with water.

The O-rings must be correctly placed in the specified groove.

Caution

Observe the flow direction (indicated by an arrow on the valve)!

Caution

Adjust the stroke length only while the pump is running!

Caution

During transport, the deaeration opening must be closed with the screw plug!

Caution

Before start-up, replace the screw plug by the deaeration screw!

After initial start-up and after each time the diaphragm is changed, tighten the dosing head screws.

Caution

After approximately 6-10 operating hours or two days, cross-tighten the dosing head screws using a torque wrench.

Maximum torque: 6 Nm.

Fault finding chart

Caution

For further error signals for the control unit, refer to the complete installation and operating instructions on the CD.

Declaration of conformity

GB: EC/EU declaration of conformity

We, Grundfos, declare under our sole responsibility that the product DMX 226, to which the declaration below relates, is in conformity with the Council Directives listed below on the approximation of the laws of the EU member states.

CZ: Prohlášení o shodě EU

My firma Grundfos prohlašujeme na svou plnou odpovědnost, že výrobek DMX 226, na který se toto prohlášení vztahuje, je 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 produktet DMX 226 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 el producto DMX 226 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 UE.

FR: Déclaration de conformité UE

Nous, Grundfos, déclarons sous notre seule responsabilité, que le produit DMX 226, auquel se réfère cette déclaration, est conforme 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 je proizvod DMX 226, na koja se izjava odnosi u nastavku, u skladu s direktivama Vijeća dolje navedenih o usklađivanju zakona država članica EU-a.

IT: Dichiarazione di conformità UE

Grundfos dichiara sotto la sua esclusiva responsabilità che il prodotto DMX 226, al quale si riferisce questa dichiarazione, è conforme alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri UE.

LV: ES atbilstības deklarācija

Sabiedrība Grundfos ar pilnu atbildību paziņo, ka produkts DMX 226, uz kuru 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 nasz produkt DMX 226, którego deklaracja niniejsza dotyczy, jest zgodny z następującymi dyrektywami Rady w sprawie zbliżenia przepisów prawnych państw członkowskich.

RO: Declarația de conformitate UE

Noi Grundfos declarăm pe propria răspundere că produsul DMX 226, la care se referă această declarație, este 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 изделие DMX 226, к которому относится нижеприведенная декларация, соответствует нижеприведенным Директивам Совета Евросоюза о тождественности законов стран-членов ЕС.

SI: Izjava o skladnosti EU

V Grundfos s polno odgovornostjo izjavljamo, da je izdelek DMX 226, 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 konusuna olan DMX 226 ürünlerinin, AB üye ülkelerinin direktiflerini yakınlılaştırılmasıyla ilgili durumun aşağıdaki Konsey Direktiflerini uyumlu olduğunu ve bununla ilgili olarak tüm sorumluluğun bize ait olduğunu beyan ederiz.

BG: Декларация за съответствие на ЕО

Ние, фирма Grundfos, заявяваме с пълна отговорност, че продуктът DMX 226, за който се отнася настоящата декларация, отговаря на следните директиви на Съвета за уеднаквяване на правните разпоредби на държавите-членци на ЕО.

DE: EU-Konformitätserklärung

Wir, Grundfos, erklären in alleiniger Verantwortung, dass das Produkt DMX 226, auf das sich diese Erklärung bezieht, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EU-Mitgliedsstaaten übereinstimmt.

EE: EÜvastavusdeklaratsioon

Meie, Grundfos, kinnitame ja kanname ainuiskulist vastutust selle eest, et toode DMX 226, mille kohta all olev deklaratsioon käib, on kooskõlas Nõukogu Direktiividega, mis on nimetatud all pool vastavalt vastuvõetud õigusaktidele ühtlustamise kohta EU liikmesriikides.

FI: EU-vaatimustenmukaisuusvakuutus

Grundfos vakuuttaa omalla vastuullaan, että tuote DMX 226, jota tämä vakuutus koskee, on EU:n jäsenvaltioiden lainsäädännön lähentämiseen tähtäävien Euroopan neuvoston direktiivien vaatimusten mukainen seuraavasti.

GR: Δήλωση συμμόρφωσης ΕΕ

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι το προϊόν DMX 226, στο οποίο αναφέρεται η παρακάτω δήλωση, συμμορφώνεται 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) DMX 226 termék, amelyre az alábbi nyilatkozat vonatkozik, megfelel az Európai Unió tagállamainak jogi irányelveit összehangoló tanács alábbi előírásainak.

LT: ES atitikties deklaracija

Mes, Grundfos, su visa atsakomybe pareiškiame, kad produktas DMX 226, kuriam 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 product DMX 226, 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 DMX 226, ao qual diz respeito a declaração abaixo, está em conformidade com as Directivas do Conselho sobre a aproximação das legislações dos Estados Membros da UE.

RS: Deklaracija o uskladenosti EU

Mi, kompanija Grundfos, izjavljujemo pod punom vlastitom odgovornošću da je proizvod DMX 226, 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 produkten DMX 226, som omfattas av nedanstående försäkran, är i överensstämmelse med de råddirektiv om inbördes närmande till EU-medlemsstaternas lagstiftning som listas nedan.

SK: ES vyhlásenie o zhode

My, spoločnosť Grundfos, vyhlasujeme na svoju plnú zodpovednosť, že produkt DMX 226, na ktorý sa výhlásenie uvedené nižšie vzťahuje, je v súlade s ustanoveniami nižšie uvedených smerníc Rady pre zblíženie právnych predpisov členských štátov EU.

UA: Декларация відповідності директивам ЕУ

Ми, компанія Grundfos, під нашу одноосібну відповідальність заявляємо, що виріб DMX 226, до якого відноситься нижченаведена декларація, відповідає директивам ЕУ, переліченим нижче, щодо тотожності законів країн-членів ЄС.

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 DMX 226 系列，其制造和性能完全符合以下所列欧盟委员会指令。

NO: EUs samsvarsærklæring

Vi, Grundfos, erklærer under vårt eneansvar at produktet DMX 226, som denne erklæringen gjelder, er i samsvar med Det europeiske råds direktiver om tilnærming av forordninger i EU-landene.

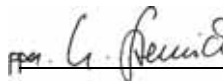
KZ: Сәйкестік жөніндегі ЕО декларациясы

Біз, Grundfos, ЕО мүше елдерінің заңдарына жақын төменде көрсетілген Кеңес директиваларына сәйкес төмендегі декларацияға қатысты DMX 226 өнімі біздің жеке жауапкершілігімізде екенін мәлімдейміз.

-
- Machinery Directive (2006/42/EC).
Standards used:
EN 809:2012, DIN EN ISO 12100:2010.
 - Low Voltage Directive (2014/35/EU).
Standard used:
EN 61010-1:2011-07.
 - EMC Directive (2014/30/EU).*
 - RoHS Directives (2011/65/EU and 2015/863/EU).
Standard used: EN 50581:2012
- * Only for products with control variant AR or AT.
-

This EC/EU declaration of conformity is only valid when published as part of the Grundfos instructions.

Pfinztal, 1st March 2018



Ulrich Stemick
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Grundfos Water Treatment GmbH
Reetzstr. 85, D-76327 Pfinztal, Germany

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

RUS

DMX 221, 226, 227

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 DMX 221, 226, 227 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

DMX 221, 226, 227

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:

DMX 221, 226, 227 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.

KG

DMX 221, 226, 227**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

DMX 221, 226, 227 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 электрмагниттик шайкештиги».

ARM

DMX 221, 226, 227**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՝

DMX 221, 226, 227 տիպի պոմպերը սերտիֆիկացված են համաձայն Մաքսային Միության տեխնիկական կանոնակարգի պահանջների՝ ТР ТС 004/2011 «Ցածրավոլտ սարքավորումների վերաբերյալ», ТР ТС 010/2011 «Մեքենաների և սարքավորումների անվտանգության վերաբերյալ» ; ТР ТС 020/2011 «Տեխնիկական միջոցների էլեկտրամագնիսական համատեղելիության վերաբերյալ»:



<http://net.grundfos.com/qr/i/98741610>



<http://net.grundfos.com/qr/i/98741613>



<http://net.grundfos.com/qr/i/98741619>

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ECM: 1208977	

Appendix

产品中有害物质的名称及含量 (Names and Contents of the Hazardous Substances)

部件名称 (Part name)	有害物质 (Hazardous Substances)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴联苯醚 (PBDE)
齿轮箱，计量泵的泵头，外壳，电机法兰 (Gear Box, dosing head, enclosure, motor flange)	X	O	O	O	O	O
本表格依据 SJ/T 11364 的规定编制 (This Table is prepared in accordance with the provisions of SJ/T 11364)						
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。(Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572.)						
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。(Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.)						
 该产品环保使用期限为 10 年，标识如左图所示。 (The environmental protection use period for this product is 10 years as shown in the left image) 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 (This environmental protection use period is only apply to product working under condition specified in Installation and Operation Manual)						

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