

# CR, CRN 95-255

Thrust handling device replacement  
Service kit instructions



Service instructions

<http://net.grundfos.com/qr/i/99233360>

be  
think  
innovate

**GRUNDFOS** 

# English (GB) Service kit instructions

---

## 1. General warning

### English (GB)



Warning

Before starting service work, read the safety instructions supplied with the product.

### Dansk (DK)



Advarsel

Læs sikkerhedsanvisningerne der blev leveret med produktet, før du foretager servicearbejde.

### Deutsch (DE)



Warnung

Vor der Durchführung irgendwelcher Reparaturarbeiten ist die mit dem Produkt mitgelieferten Sicherheitshinweise sorgfältig durchzulesen.

### Español (ES)



Advertencia

Antes de comenzar el trabajo, lea las instrucciones de seguridad suministradas con el producto.

### Français (FR)



Avertissement

Avant toute intervention, consulter les consignes de maintenance fournies avec le produit.

### Italiano (IT)



Avviso

Prima di iniziare i lavori di manutenzione, leggere le istruzioni di sicurezza fornite con il prodotto.

**Português (PT)****Aviso**

Antes de iniciar o serviço de manutenção, leia as instruções de segurança fornecidas com o produto.

**Русский (RU)****Предупреждение**

Перед началом работ по сервисному обслуживанию необходимо прочитать сервисное руководство, поставляемое с продуктом.

**中文 (CN)****警告**

在开始维修工作前，请参阅与产品一起随附的安全手册。

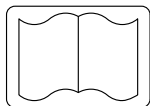
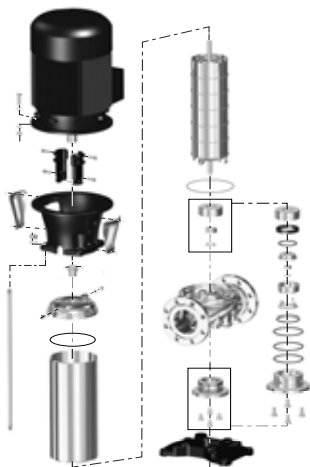
**日本語 (JP)****警告**

作業を始める前に、製品に添付された安全上の説明書をお読みください。

**한국어 (KO)****경고**

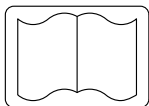
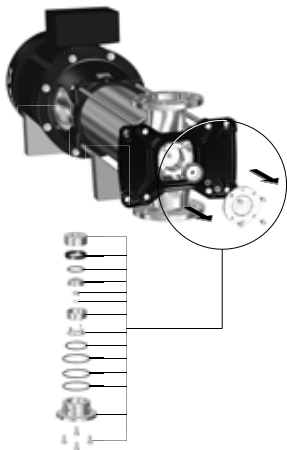
서비스를 수행하기 전에, 제품과 함께 제공된 안전 이용 수칙 (Safety instructions) 을 반드시 읽으십시오.

# A



Pages 5-31

# B

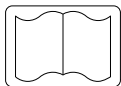


Pages 32-39

Fig. 1

TM07 1688 2118 - TM07 1690 2118

# A



Pages 6-31

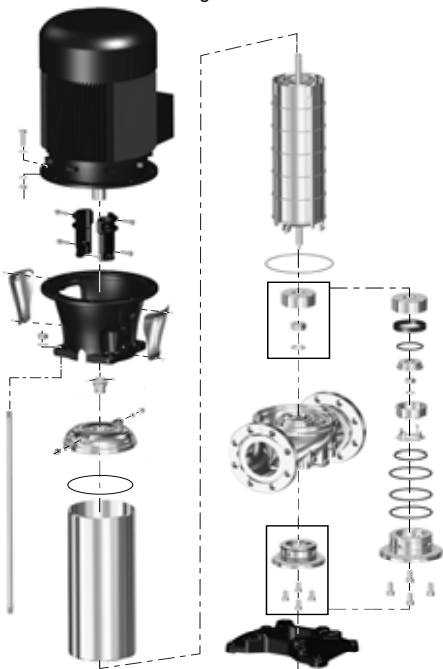


Fig. 1

TM07 1688 2118

# CONTENTS

Page

2. Dismantling

6

3. Assembly

15

## 2. Dismantling

DK: Demontering

PT: Desmontagem

DE: Demontage

RU: Демонтаж

ES: Desmontaje

CN: 拆卸

FR: Démontage

JP: 分解手順

IT: Smontaggio

KO: 분해

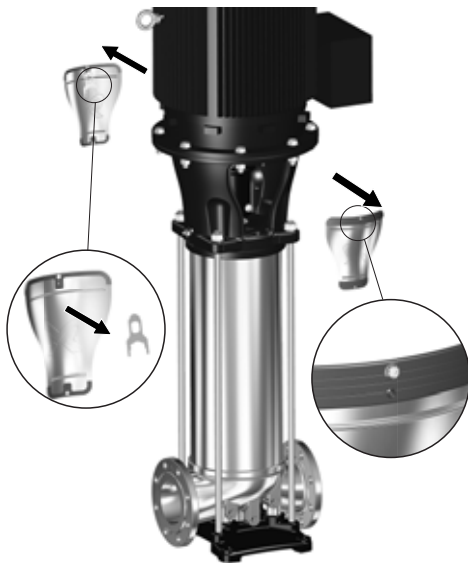
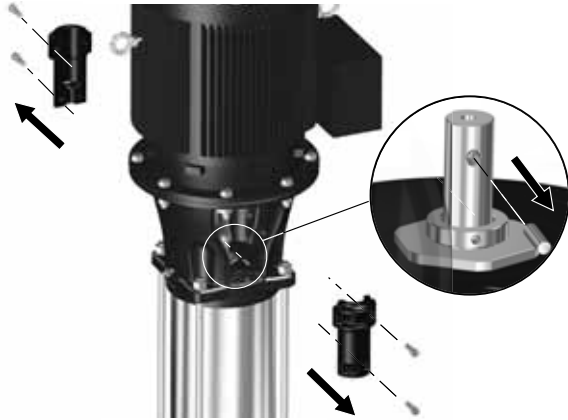


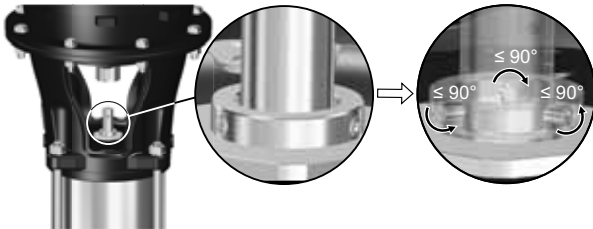
Fig. 2

TM07 0893 1018



TM07 0894 1518

Fig. 3



TM07 0895 1318

Fig. 4

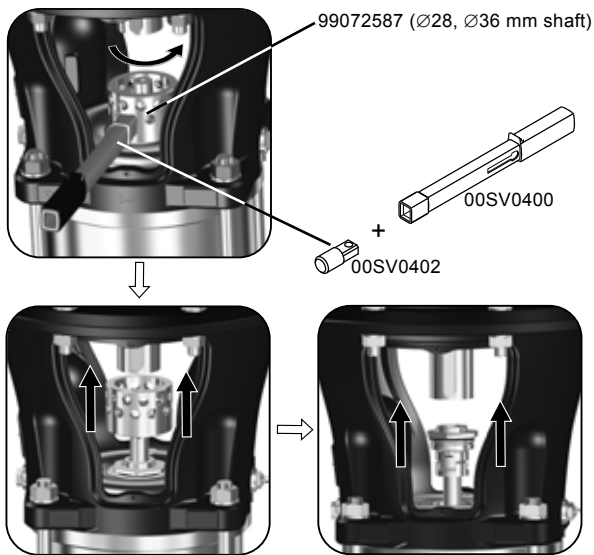


Fig. 5

TM07 0896 1718



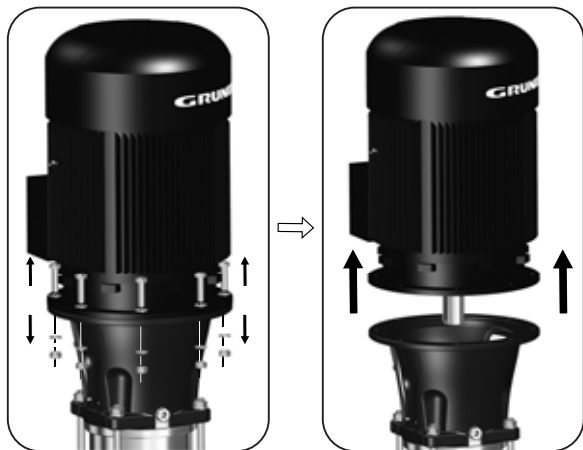


Fig. 6

TM07 0899 1218

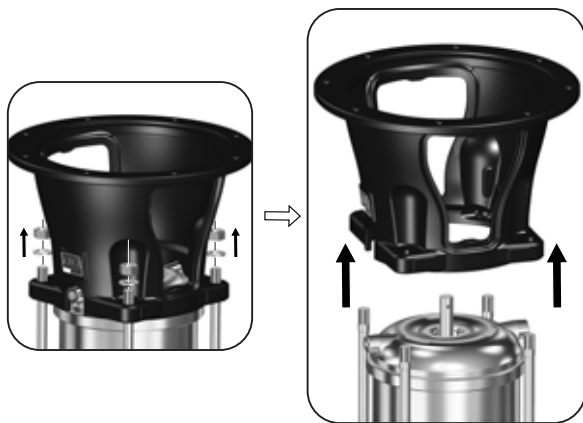


Fig. 7

TM07 0902 1218

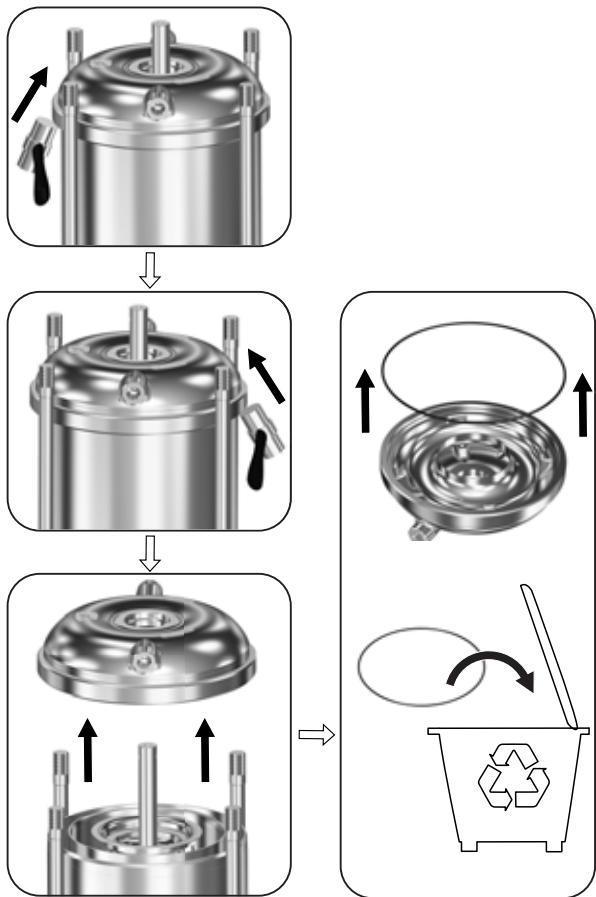


Fig. 8

TM07 0904 1518

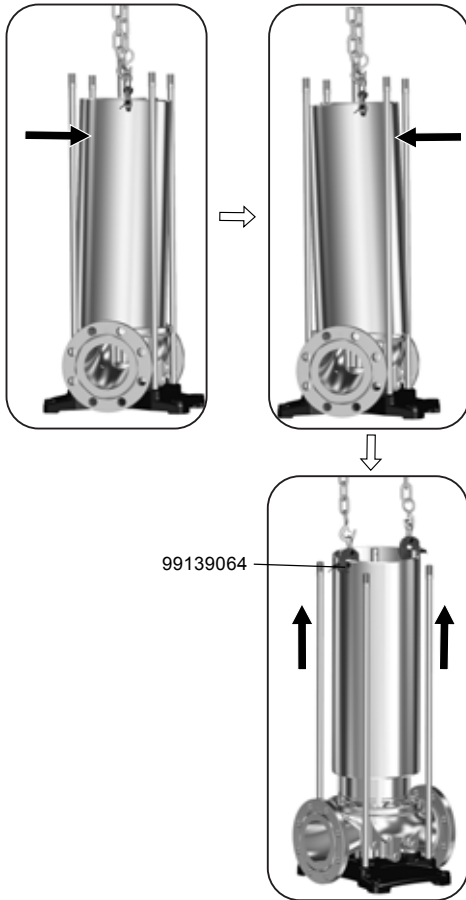


Fig. 9

TM07 0909 1218

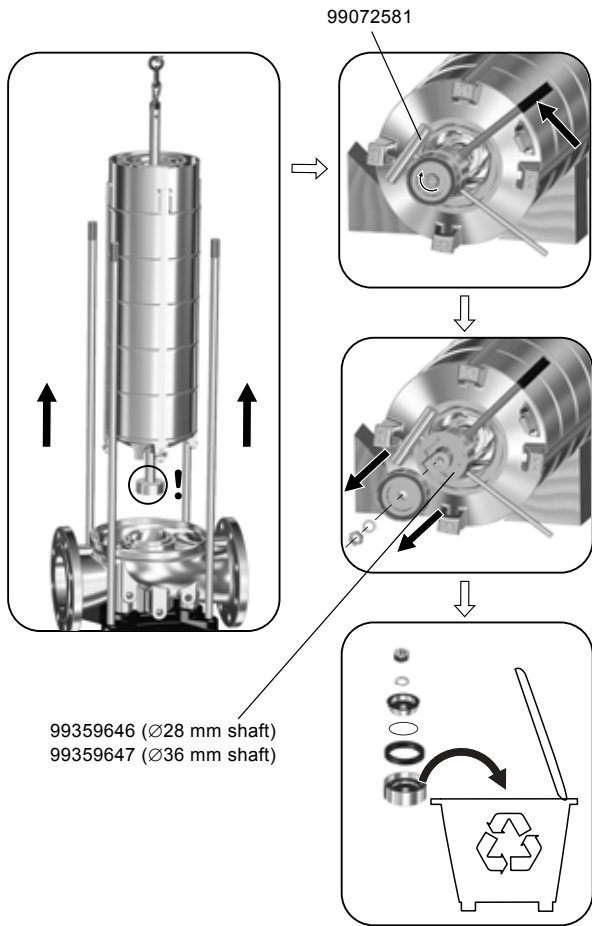


Fig. 10

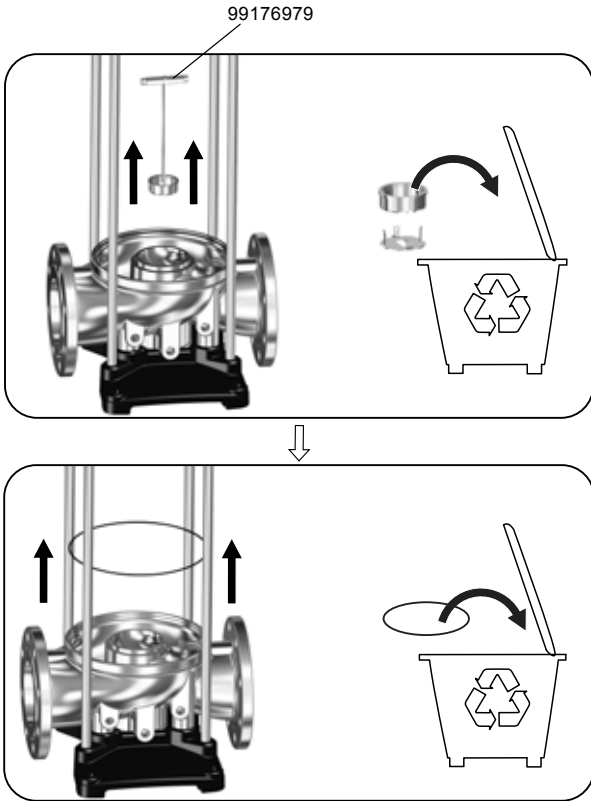


Fig. 11

TM07 1632 1918

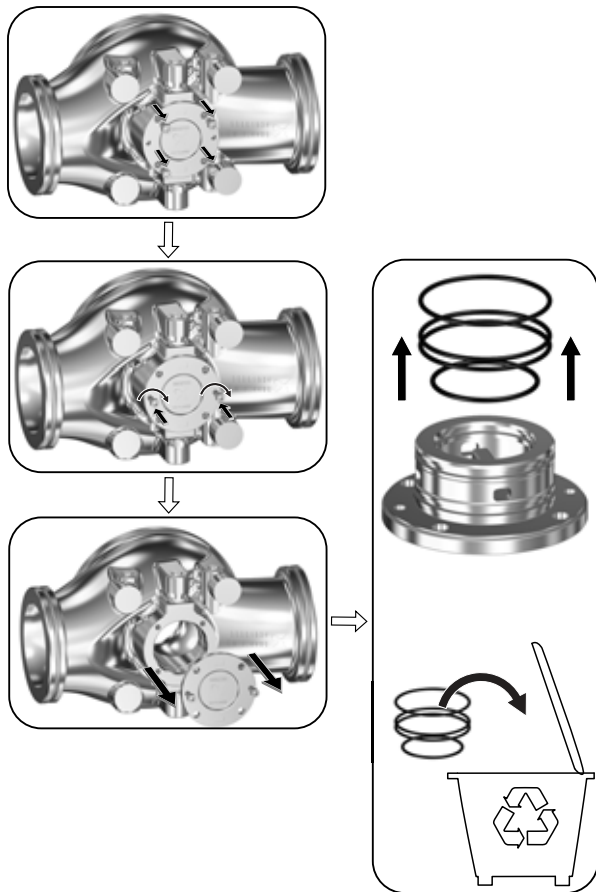


Fig. 12

TM07 1642 2018

### 3. Assembly

DK: Montering

DE: Montage

ES: Montaje

FR: Montage

IT: Montaggio

PT: Montagem

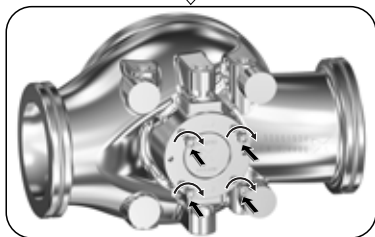
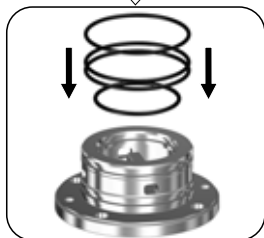
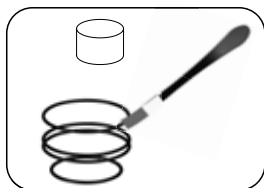
RU: Подключение

CN: 装配

JP: 組み立て手順

KO: 조립

Rocol Sapphire Aqua-Sil



Size	Torque [Nm]
M8	22
M10	43

Fig. 13

TM07 1643 1918

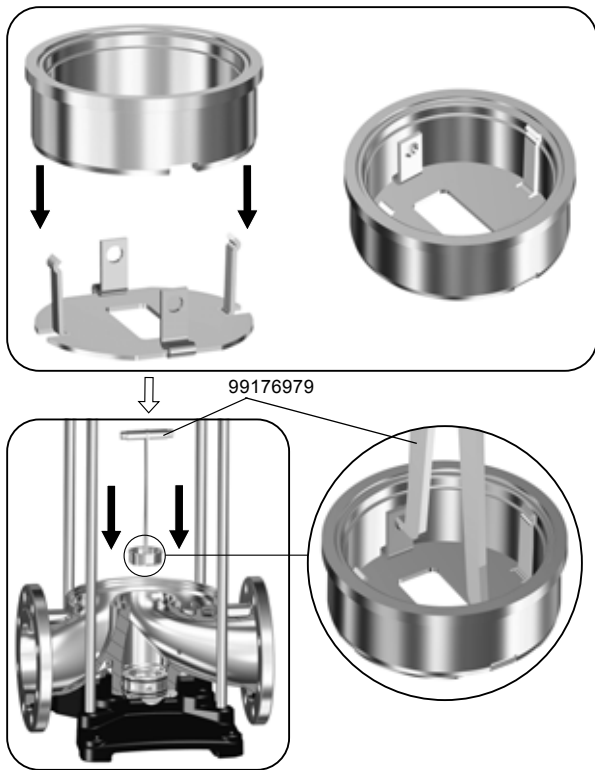


Fig. 14

TM07 1646 2018



## Rocol Sapphire Aqua-Sil

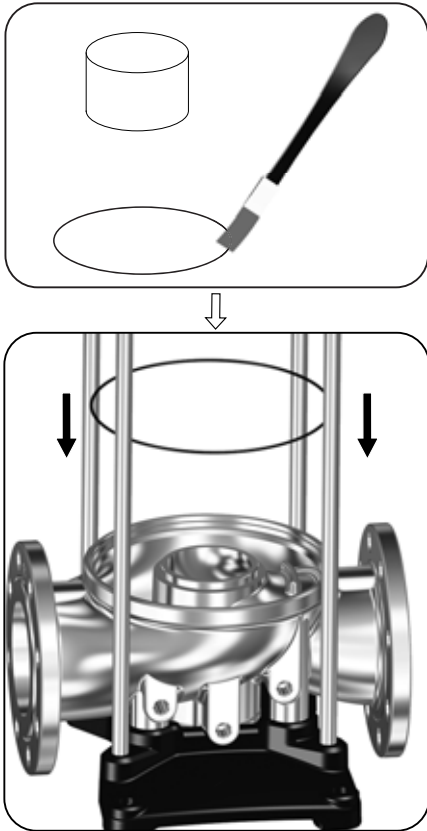


Fig. 15

TM07 1645 1918

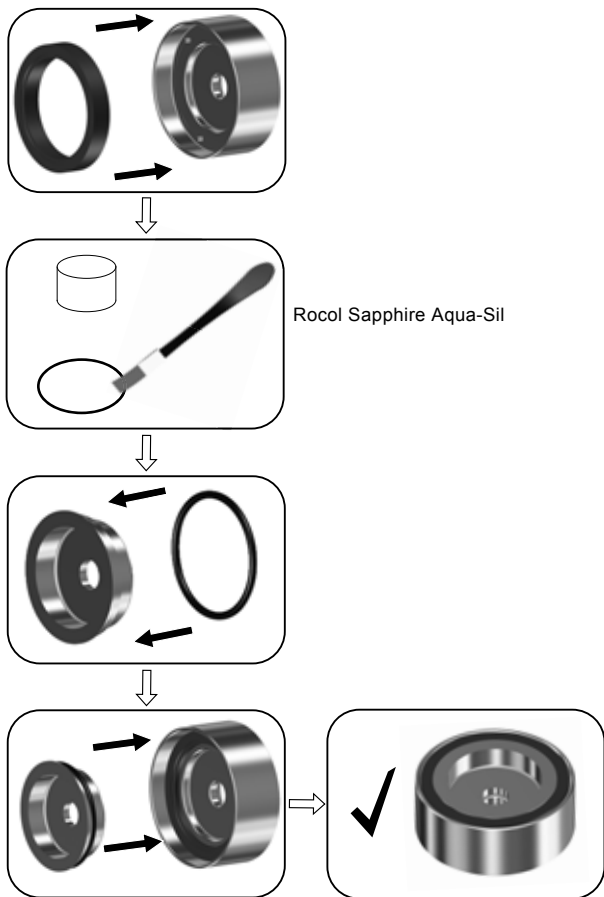


Fig. 16

Size	Torque [Nm]
M12	60
M16	140

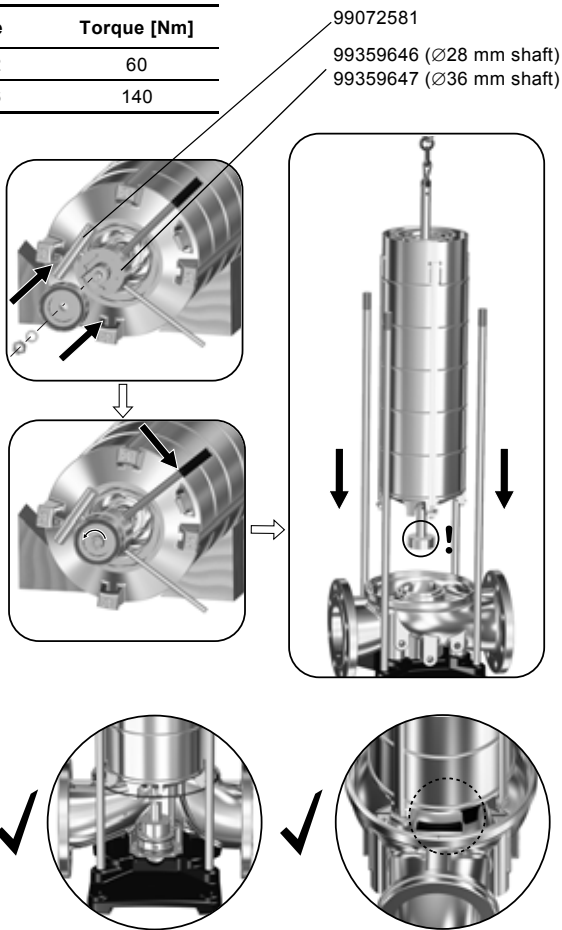


Fig. 17

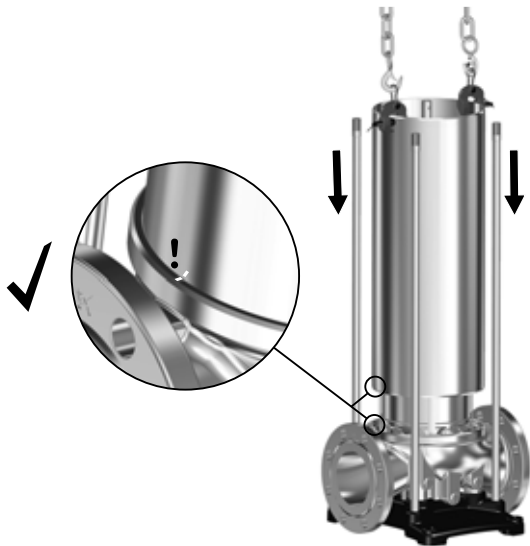


Fig. 18

TM07 0849 1418

Rocol Sapphire Aqua-Sil

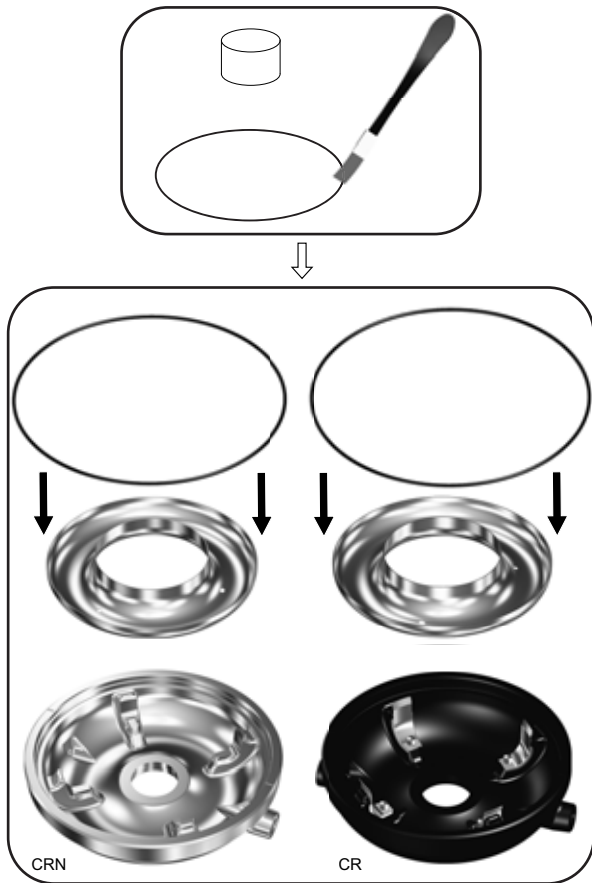


Fig. 19

TM07 0852 1718

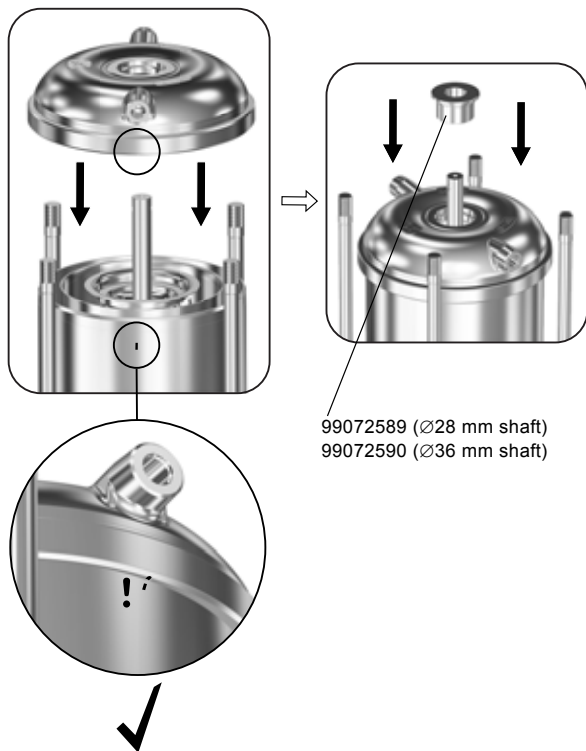


Fig. 20

TM07 0853 1518

Size	Torque [Nm]
M16 (CR, CRN 95, PN 16)	160
M20 (CR, CRN 95, PN 40)	320
M20 (CR, CRN 125/155, PN 16)	190
M20 (CR, CRN 125/155, PN 25/30)	320
M24 (CR, CRN 125/155, PN 25/30/40)	625
M30 (CR, CRN 185/215/255, PN 16)	410
M30 (CR, CRN 185/215/255, PN 25)	710
M30 (CR, CRN 185/215/255, PN 40)	950

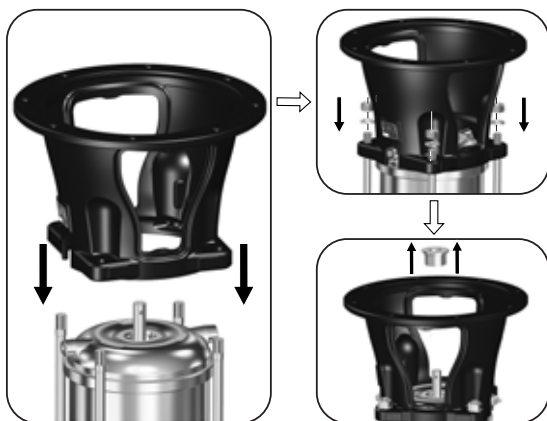


Fig. 21

TM07 0855 1518

Size	Torque [Nm]
M12	40
M16	80
M20	150

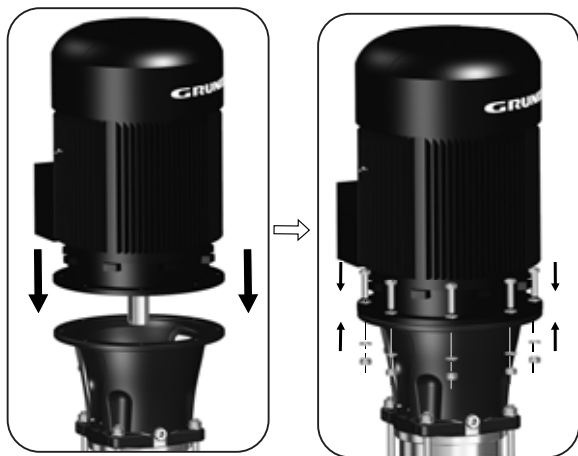


Fig. 22

TM07 0867 1418



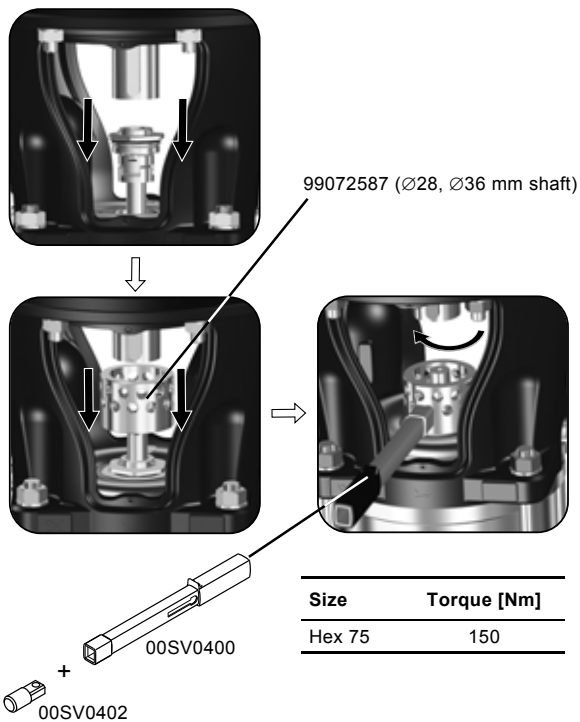


Fig. 23

TM07 0864 1618

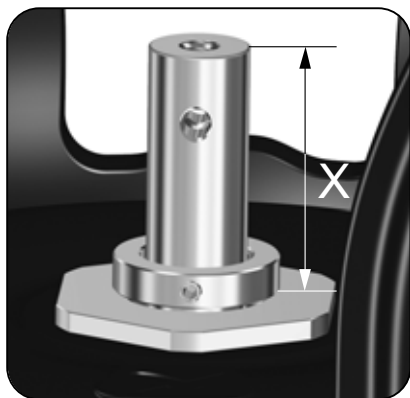
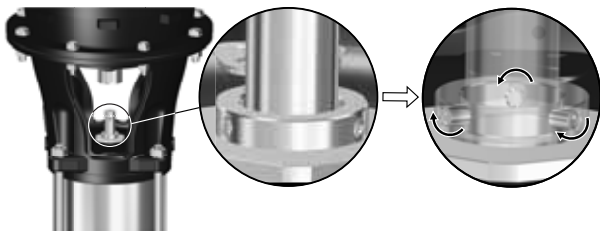

 $X = 71 \text{ mm} \pm 2$ 

Fig. 24

TM07 0969 1018



Size	Torque [Nm]
M6	6

Fig. 25

TM07 0866 1518

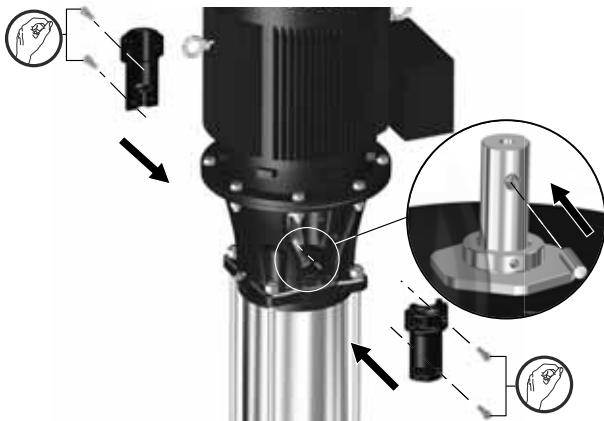


Fig. 26

TM07 1344 1518

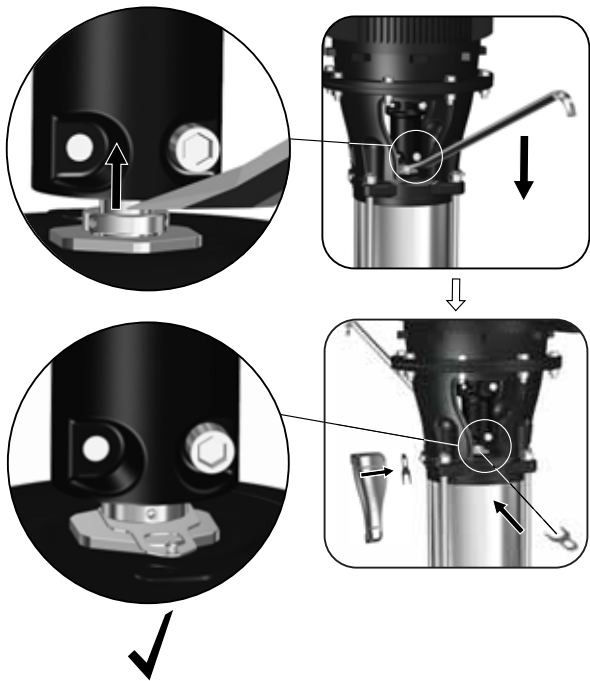


Fig. 27

TM07 0868 1418

Size	Torque [Nm]	Lubricant
M10	85	Un Lock (96611372)
M16	100	

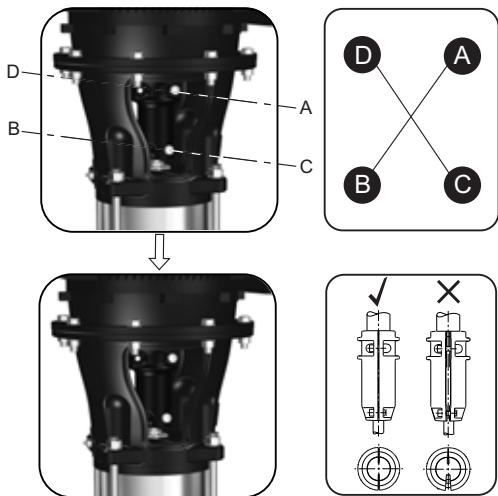


Fig. 28

TM07 0970 1718



Fig. 29

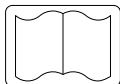
Size	Torque [Nm]
M5	4

TM07 0869 1418



Fig. 30

# B



Page 33-39

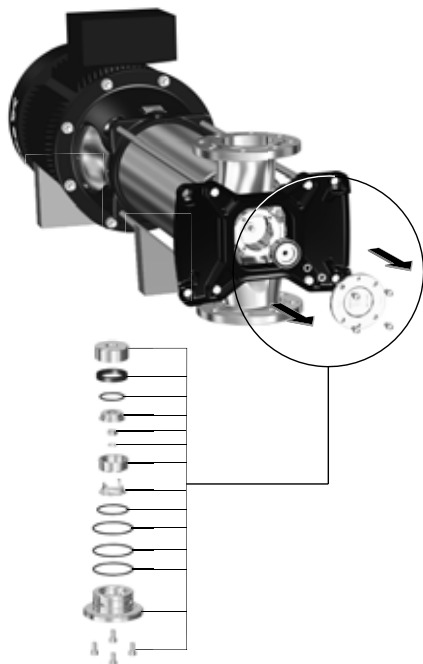


Fig. 1



# CONTENTS

Page

4. Dismantling

33

5. Assembly

36

## 4. Dismantling

DK: Demontering

PT: Desmontagem

DE: Demontage

RU: Демонтаж

ES: Desmontaje

CN: 拆卸

FR: Démontage

JP: 分解手順

IT: Smontaggio

KO: 분해

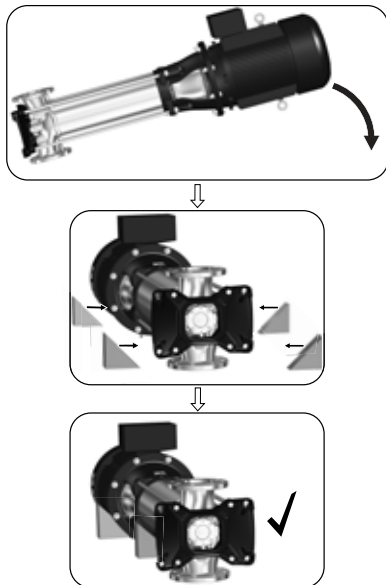


Fig. 2

TM07 1689 2118

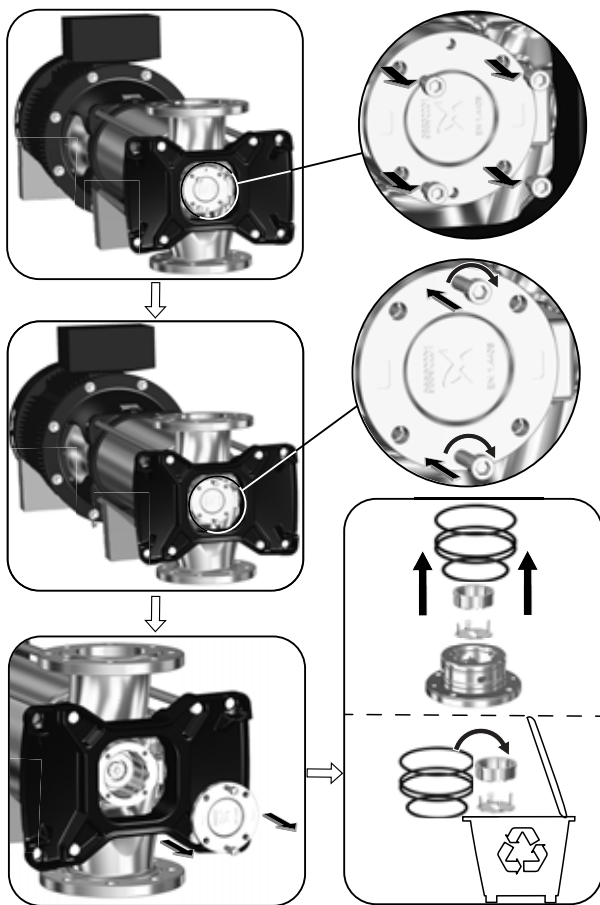


Fig. 3

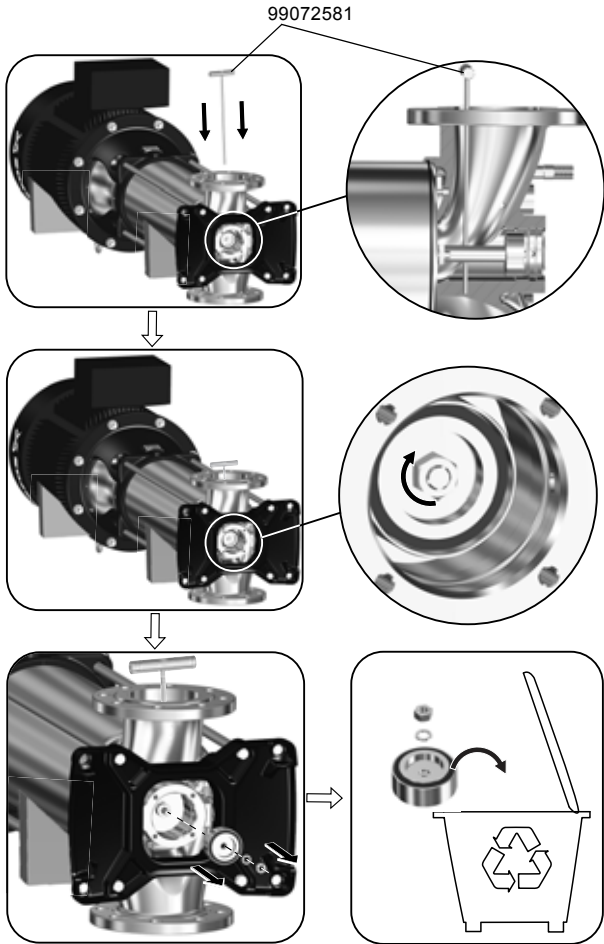


Fig. 4

## 5. Assembly

DK: Montering

DE: Montage

ES: Montaje

FR: Montage

IT: Montaggio

PT: Montagem

RU: Подключение

CN: 装配

JP: 組み立て手順

KO: 조립

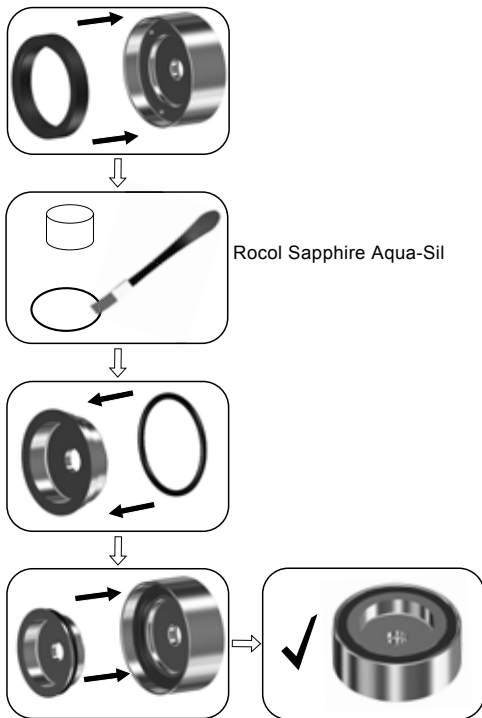
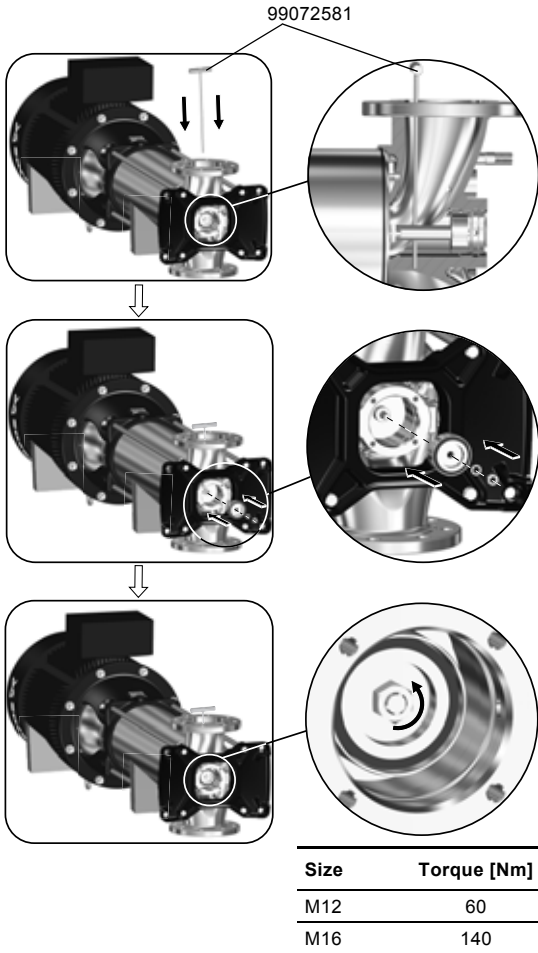
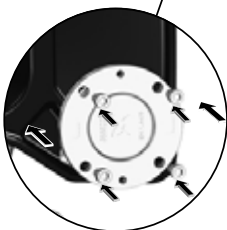
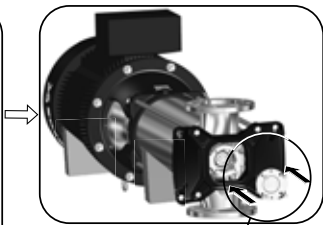
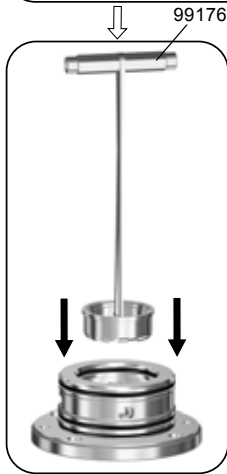
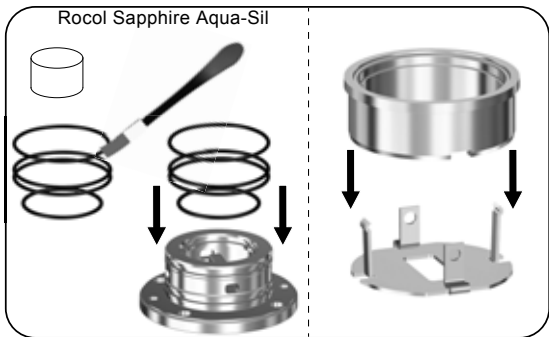


Fig. 5



Size	Torque [Nm]
M12	60
M16	140

Fig. 6



Size	Torque [Nm]
M8	22
M10	43

Fig. 7



Fig. 8

**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.: +7 (375 17) 286 39 72, 286 39 73  
Факс: +7 (375-17) 286 39 71

**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  
Tāl.: + 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 Portu-  
gal, 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) 11 579 4800  
Fax: (+27) 11 455 6066  
E-mail: lsmart@grund-  
fos.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 (Tai-  
wan) 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 Distribu-  
tion  
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 Corpo-  
ration  
Phone: +1-913-227-3400  
Telefax: +1-913-227-3500

**Uzbekistan**

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

Addresses revised  
05.12.2016

be think innovate

---

**99171396** 0518

ECM: 1235270

The name Grundfos, the Grundfos logo, and **be think innovate** are registered trademarks owned by Grundfos Holding A/S or Grundfos A/S, Denmark. All rights reserved worldwide.

© Copyright Grundfos Holding A/S

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

**GRUNDFOS** 

Pumpland.ru