Quick Start Guide | Guía de Inicio Rápido | Guida Rapida | Guia de Início Rápido

DULCOFLEX DFXa







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This document does not replace the original operating instructions. To operate the pump safely and completely, read the operating instructions carefully. You can find the original operating instructions in the available languages on the product page under Downloads:





http://www.prominent.com/en/dfxa

Personnel Requirements

The mounting and installation of the pump should only be carried out by qualified, trained personnel.

Info: Die deutsche Version des Quick Start Guides finden Sie auf Seite 19. I For the German version please go to page 19.



Service and Spare Parts



To order service and spare parts, please visit our Service Page on www.prominent.com or contact your local sales representative.

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Scope of Delivery

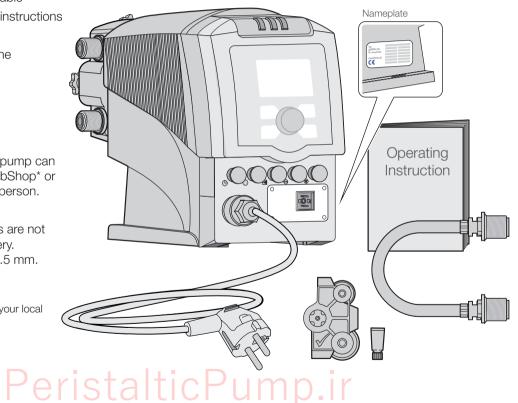
Check the scope of delivery:

- Dosing pump with power cable
- Product-specific operating instructions
- Connection kit
- Accessories according to the identity code
- Pump tube
- Rotor half
- Grease

Optional accessories for your pump can be found in the ProMinent WebShop* or ordered from your local sales person.

Screws for the mounting holes are not included in the scope of delivery. Use screws with diameter < 4.5 mm.

* The WebShop is only available in selected countries. Please check your local ProMinent website to see if there is one available in your country.



Safety

Read the "Safety" chapter in the operating instructions for the pump and the safety and warning notes in the safety data sheet for the dosing medium used.

WARNING!

Danger to life from electric shock

- Regularly check the power supply cable for damage and wear.
- If there is visible damage to the pump or power supply cable, do not switch on the pump and secure it against being switched on again.
- Disconnect the device from the power supply before working on the pump.
- Let damaged cables replace by qualified personnel.
- Only use original spare cables.

Uncontrolled start of the dosing process

The pump can start the dosing process in an uncontrolled manner when connected to the mains voltage.

- Equip the pump with an emergency stop switch in the power line.
- Pay attention to error messages during commissioning.
- Depressurize the hydraulic parts before carrying out any work on the pump.

NOTICE

Material damage due to burst hydraulic parts

If the maximum permissible operating pressure is exceeded, hydraulic parts may burst.

- Open the hydraulic side before operating the pump.
- Install an overflow valve in the discharge line.
- During operation, pay attention to the operating pressure indications on the display.

NOTICE

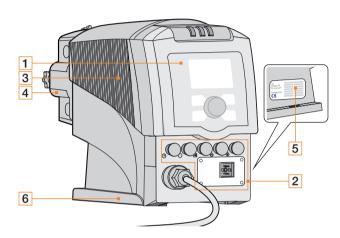
Material damage due to the use of a medium that is unsuitable for the tube

The use of a dosing medium that is unsuitable for the pump tube can damage the wetted parts of the pump.

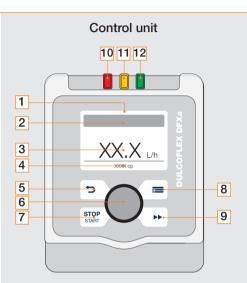
- Check whether the tube you are using is suitable for your medium. Observe the chemical resistance list.
- After finishing operation, check all hose and pressure lines and their connections for damage.
- Let any damage that may have occurred repaire by the maintenance personnel.



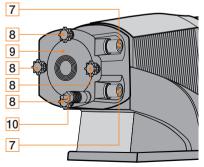
j Overview



- 1 Control unit (with cover flap)
- 2 Sockets and relays
- 3 Drive unit
- 4 Liquid end
- 5 Nameplate
- 6 Mounting holes
- 7 Connection thread tube
- 8 Star-shapes screw
- 9 Bearing cover
- **10** Thread for tube rupture sensor

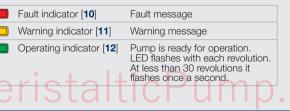


- 1 LC Display
- 2 Status bar
- 3 Main display
- 4 Secondary display
- 5 [Back] key
- 6 Clickwheel
- 7 [STOP/START] key
- 8 [Menu] key
- 9 [Priming] key

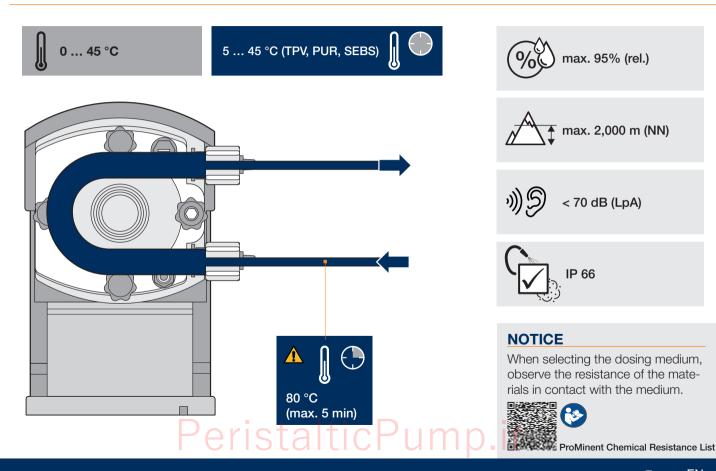


Note: The appearance may differ depending on the liquid end.

LED Indicators



Technical Data





Observe the following mounting instructions:

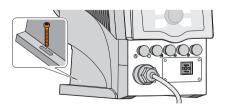
Access to the dosing head is necessary for changing the tube. Therefore, ensure sufficient space around the pump, at least \geq 80 mm.

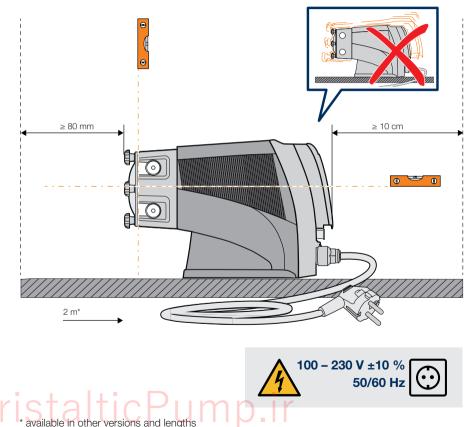
NOTICE

To be able to change the tube, mount the pump free-standing.

Mount Pump

To attach the pump to the ground, screw the pump to the mounting holes provided on both sides using a screw with a diameter < 4.5 mm.







Install Electrically

- Config I/O socket () 1
- Tube rupture indicator () 2
- External control 3
- Metering monitor (no function) 4
- Level switch 🖾 5
- Slot for accessory 6 (e. g. fault indicating relay)



For detailed information on further accessories on sockets or the relay, please refer to the operating instructions.









"Config I/O" socket

1	brown	Config I/O 1
2	white	Config I/O 2
3	blue	Config I/O 3
4	black	GND



Tube rapture indicator

1 brown Voltage (5 V) 2 white not assigned 3 blue Sensor signal 4 black GND



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2

External control

1	brown	Pause
2	white	External contact
		mA input
4	black	GND
5	grey	Auxiliary



100 – 230 V ±10 %

1

2

3

4

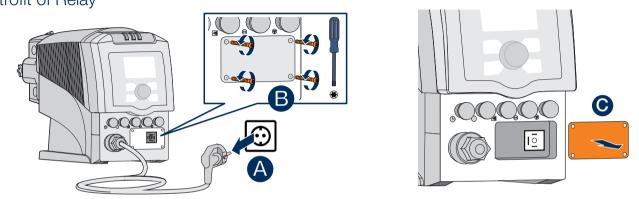
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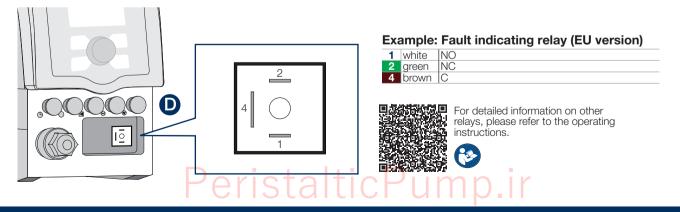
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50/60 Hz

1	black	GND
2	blue	Pre-warning
3	brown	Limit stop









Set language



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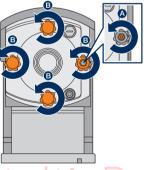
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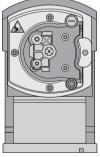


Attention! Contrary to the instruction displayed in the operating menu, do not remove the rotor during initial installation!

The second rotor half is supplied separately.

The rotor half that must never be removed is marked with \searrow .



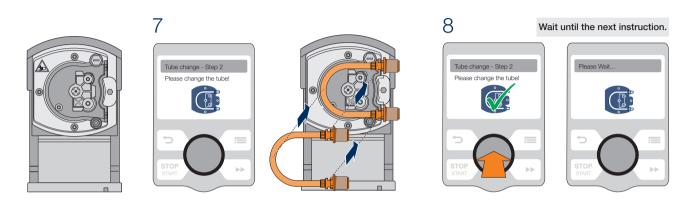




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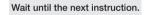
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EN 12



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14 Adjust the maintenance interval.



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16



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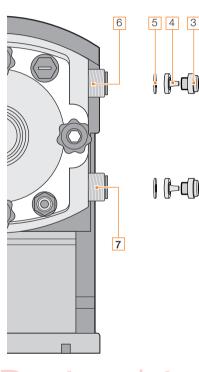


Danger from dosing medium splashing around

Improper installation may cause dosing medium to leak.

Always wear safety equipment like glasses, gloves and chemical overall when working on the hydraulic.





Version plastic

- Hose* 1
- Union nut 2
- Clamping ring 3
- Tube nozzle 4
- O-ring or flat seal 5
- Tube connection 6
- Tube connection 7

* On the pressure side use a pressure-resistant hose.

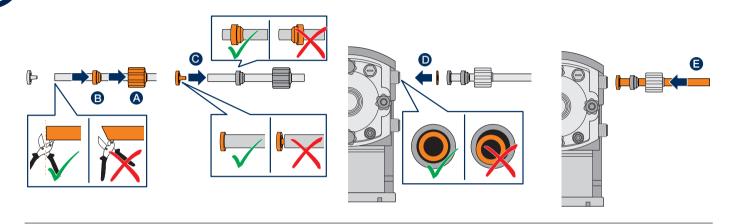


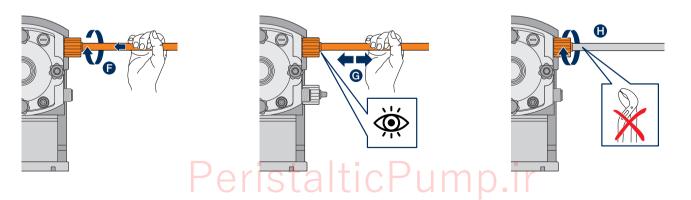
For detailed information on valve variations, please refer to the operating instructions.

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3



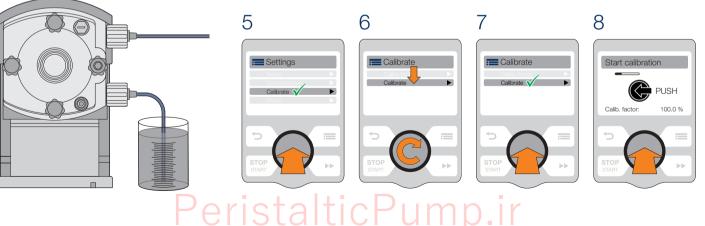




Calibrate Pump

- Run the pump 200 revolutions before calibration.
- Perform the calibration from the suction side.









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Make Settings

You can access the other settings for your pump via the main menu, e.g.

- Operating mode
- Dosing direction
- Priming time



For detailed information on the settings of your pump, please refer to the operating instructions.



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