

GRUNDFOS UMP3 HYBRID ELECTRONIC CIRCULATOR - ART. P328



AVVIAMENTO - WARNING - ВНИМАНИЕ

Questo prodotto può essere utilizzato da bambini di almeno 8 anni e da persone con ridotte capacità fisiche, sensoriali o mentali o con mancanza di esperienza e competenza purché siano sorvegliati o abbiano ricevuto istruzioni sull'utilizzo sicuro dell'apparecchio. Tali persone devono inoltre comprendere i rischi connessi all'uso del prodotto. Impedire ai bambini di giocare con il prodotto. La pulizia e la manutenzione utente non devono essere effettuate da bambini o persone con ridotte capacità fisiche, sensoriali o mentali senza un'adeguata sorveglianza. fisiche, sensoriali o mentali ridotte non devono utilizzare questo prodotto a meno che non siano state istruite o siano sotto la supervisione di un responsabile. I bambini non devono utilizzare o giocare con questo prodotto.

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.

Данное изделие может использоваться детьми в возрасте от 8 лет и лицами с ограниченными физическими, сенсорными и умственными способностями или недостаточным опытом работы с изделием и знаниями о нем при условии, что такие лица находятся под присмотром или были проинструктированы на предмет безопасного использования изделия. Такие лица должны также понимать факторы опасности, связанные с использованием изделия. Строго запрещается разрешать детям играть с изделием. Очистка и техническое обслуживание не должны выполняться детьми или лицами с ограниченными физическими, сенсорными или умственными способностями без должного присмотра.

Technical Specifications:

- Steel/PPS Max. 1.0 MPa (10 bar)
PA 6.6 Max. 0.3 MPa (3 bar)
- DHW Max. 3 mmol/l CaCO₃ (16.8dh)
- Min. 2°C, Max. 110°C (Cast iron/ St. steel - Max. 110°C)
Min. 0°C, Max. 70°C (PPS/ PA 6.6 - Max. 95°C)
- 75°C, 95°C, 110°C
- 0.005 MPa (0.05 bar), 0.05 MPa (0.5 bar), 0.108 MPa (1.08 bar)

Performance and Safety:

- < 43 dB(A)
- Max. 95% RH
IP44 / K: IPX4D

Installation Step 1:

Warning icons: High Voltage, Hot Surface.

Installation Step 2:

Green checkmarks indicate correct installation. Red X marks indicate incorrect installation.

Installation Step 3:

Green checkmarks indicate correct installation. Red X marks indicate incorrect installation.

Installation Step 2:

Installation Step 3:

Installation Step 4:

PPS = Max. 30 Nm

IP44 and Temperature:

Green checkmarks indicate correct installation.

Warning:

Installation Step 5:

IPX4D and Orientation:

Green checkmarks indicate correct installation. Red X marks indicate incorrect installation.

Installation Step 6:

Installation Step 7:

5a INTERNALLY CONTROLLED
MAX CURVE

1 x 230V - 15 %/+ 10 %
~50 Hz Ⓢ

5b EXTERNALLY CONTROLLED
PWM A PROFILE

1 x 230V - 15 %/+ 10 %
~50 Hz Ⓢ

PWM SYSTEM CONTROLLER

6

7

8

9

FLASH INDICATION

- 1 FLASH PER SECOND
- 12 FLASHES PER SECOND

ALARM STATUS **FAULT**

- Blocked
- Low Voltage
- Electrical Error

	OPERATING PANEL	CONTROL MODE
0	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PROPORTIONAL PRESSURE AUTO ADAPT
1	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT PRESSURE AUTO ADAPT
2	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PROPORTIONAL PRESSURE 1
3	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PROPORTIONAL PRESSURE 2
4	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PROPORTIONAL PRESSURE 3 - MAX
5	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT PRESSURE 1
6	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT PRESSURE 2
7	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT PRESSURE 3 - MAX
8	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT CURVE 1
9	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT CURVE 2
10	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CONSTANT CURVE 3 - MAX
11	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE C - SIGNAL OFF
	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE C - SIGNAL ON
12	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE A 1 - SIGNAL OFF
	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE A 1 - PWM SIGNAL ON
13	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE A 2 - SIGNAL OFF
	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE A 2 - PWM SIGNAL ON
14	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE A 3 - SIGNAL OFF
	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	PWM PROFILE A 3 - PWM SIGNAL ON

FAULT	OPERATING PANEL	REMEDY
OFF 0V	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	Check power supply connection.
ON 230 V	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	Check pressure sensor installation.
ON <160 V	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	Check pressure sensor voltage.
ON 230 V	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	Check pump operation and pressure.