



UPM3 FLEX AS 25-75 130

Installation and Operation Manual
Grundfos UPM3 FLEX AS 25-75 130 mm Circulation Pump

EN

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Design

A wet running circulation pump with G 6/4" M connections.

Electric Data	
Power supply	230 V, 50 Hz
Power input (min./max.)	2/60 W
Current (min./max.)	0.04/0.58 A
IP rating	IP44
Max. speed	5991 rpm
Weighted average power	≤ 28 W
Energy Efficiency Index	≤ 0.20 by EN 16 297/3
Motor protection	not needed

Min. pressure at the suction port	
Min. pressure at the suction port to avoid cavitation	0.5 mH ₂ O at 75 °C
	5 mH ₂ O at 95 °C
	10.8 mH ₂ O at 110°C



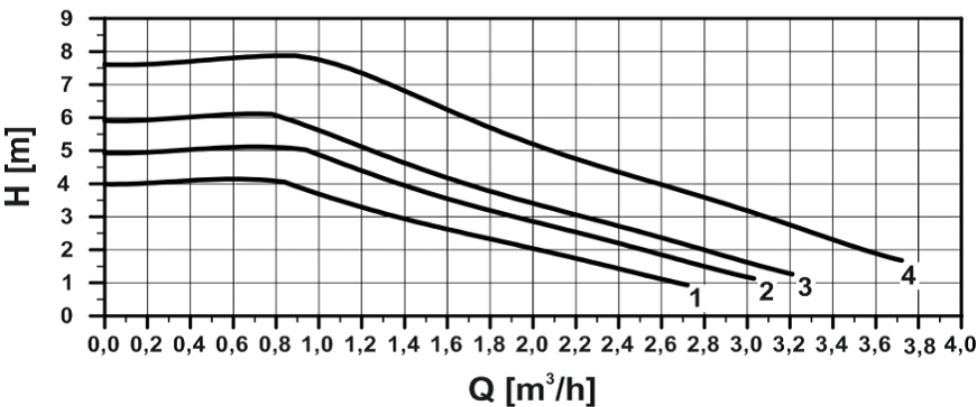
Pump Control

The circulation pump can be controlled by an external PWM signal (profile for use in heating systems) or without a PWM signal by selecting a pump performance curve.

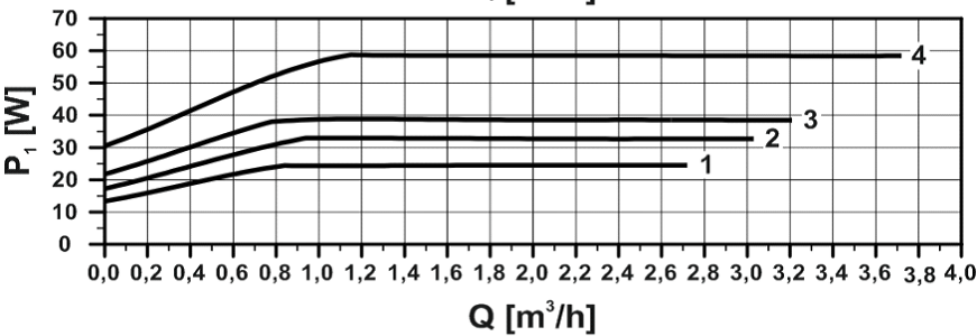
A maximum curve of a pump working range can be defined.

- with PWM signal the pump speed changes with the signal value up to the maximum of the selected curve
- without PWM signal the pump runs at the max. speed according to the selected curve

Performance Curves



Curve	Max. H (upper graph)	Max. P ₁ (lower graph)
1	4 m	25 W
2	5 m	33 W
3	6 m	39 W
4	7,5 m	60 W



Performance Display

DISPLAY	STATE	PERFORMANCE in % of $P_{1,max}$
1 flashing green LED	STAND-BY MODE (EXTERNAL CONTROL ONLY)	0
1 green + 1 yellow LEDs	LOW PERFORMANCE	0-25
1 green + 2 yellow LEDs	MEDIUM-LOW PERFORMANCE	25-50
1 green + 3 yellow LEDs	MEDIUM-HIGH PERFORMANCE	50-75
1 green + 4 yellow LEDs	HIGH PERFORMANCE	75-100

When switched on, the pump runs at factory settings or the last setting. The display shows the momentary pump performance.

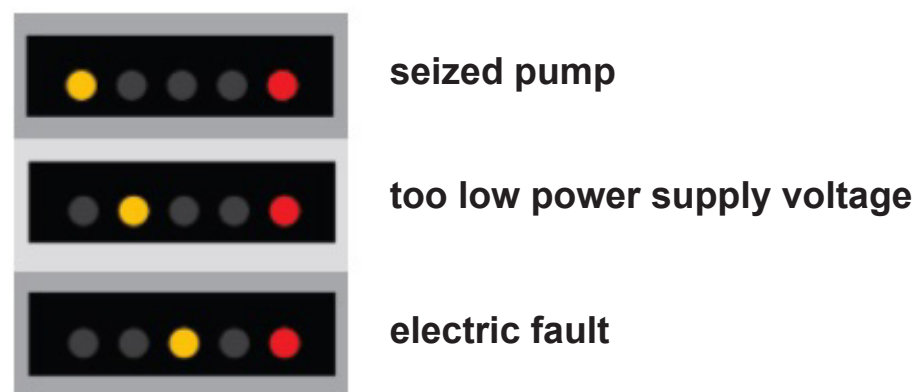
Settings Display

WARNING: LEDs may be turned by 180°, depending on the specific pump type.

By pressing the button the display switches to “performance view” and the current settings will be shown by LEDs for 2 seconds (see figures below).



Error Display



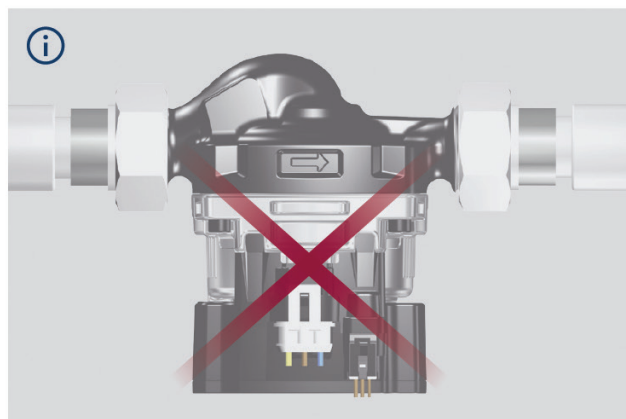
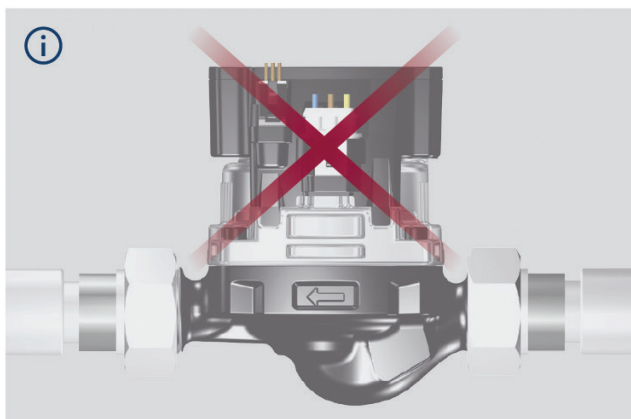
Setting selection for UPM3

1. Press the pushbutton until the LEDs start flashing, the pump will switch to adjustment selection mode.
2. To select your desired setting, press the button repeatedly until you find the setting you need (see the figures below). If you pass the desired setting, you have to go one more round until it appears again – there is no way back in the loop.

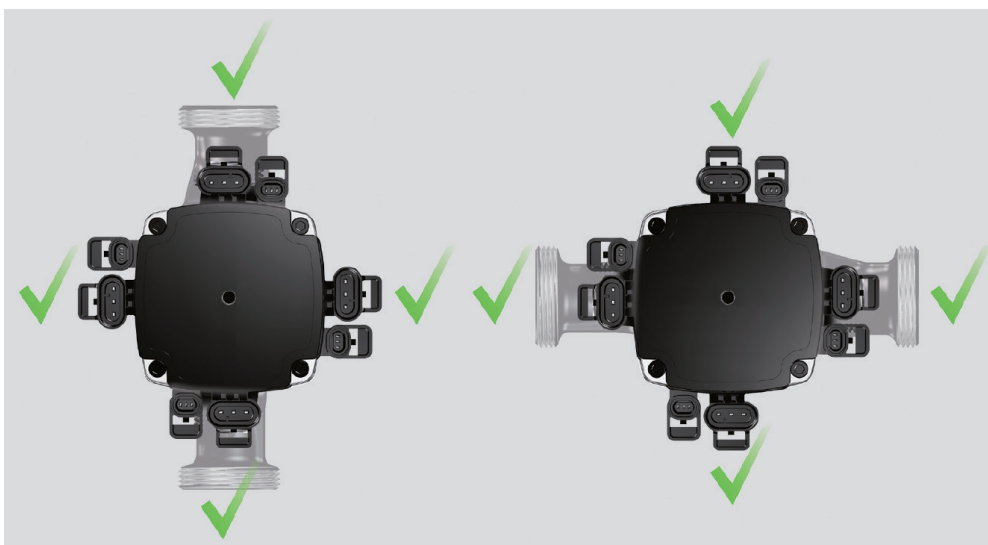


3. Release the button for more than 10 s and the LEDs will return to „performance view“, while the last setting is saved.

Prohibited pump positions



Permissible pump (actuator) positions



Pump wiring

