



UPM3 FLEX AS 25-60 180

Installation and Operation Manual
Grundfos UPM3 FLEX AS 25-60 180 mm Pump

EN

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Design

Wet-running circulation pump with G 6/4" connection.

Electrical Data	
Power supply	230 V, 50 Hz
Power consumption (min./max.)	2/42 W
Current (min./max.)	0.04/0.40 A
IP rating	IP44
Max. speed	5288 rpm
Weighted average power	≤ 20 W
Energy Efficiency Index	≤ 0.20 by EN 16 297/3
Motor protection	not needed

Minimum pressure at pump suction port	
Minimum pressure at suction port to avoid cavitation	0.5 mH ₂ O at 75 °C
	5.0 mH ₂ O at 95 °C
	10.8 mH ₂ O at 110 °C



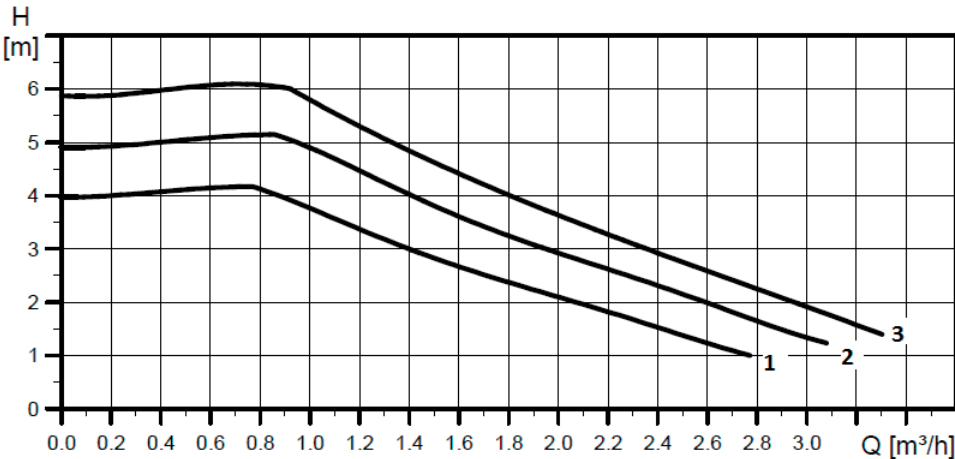
Pump Control

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.

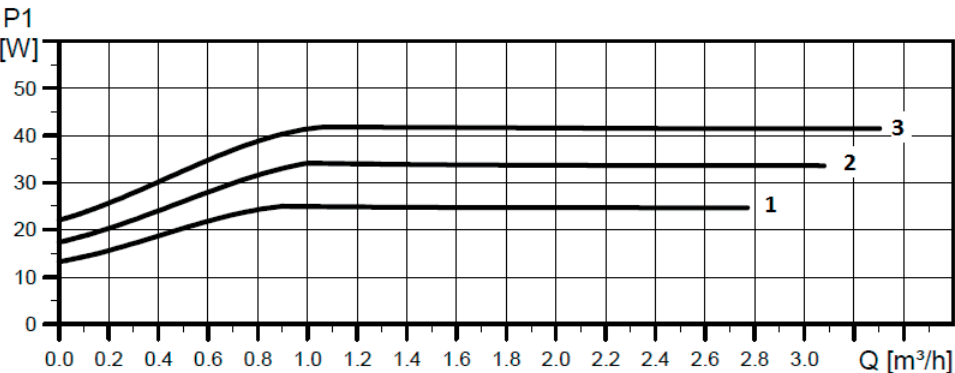
A maximum curve of a pump working range can be defined.

- 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

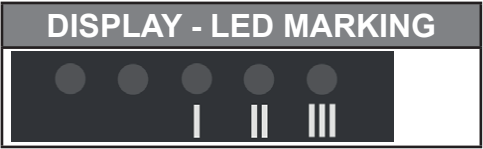
Performance Curves






Curve	Max. H (upper graph)	Max. P ₁ (lower graph)
1	4 m	25 W
2	5 m	34 W
3	6 m	42 W



Performance Display



The LED marking is further omitted for better clarity.

DISPLAY	PERFORMANCE CURVE	STATE	Max. H (upper graph)
	1	LOW PERFORMANCE	4 m
	2	MEDIUM PERFORMANCE	5 m
	3	HIGH PERFORMANCE	6 m

WARNING: LEDs may be turned by 90° or 180°, or mirrored, depending on the specific pump type.




GREEN LEDS FLASHING FREQUENCY	PWM SIGNAL RECEPTION
1 flash per second	NO
12 flashes per second	YES

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

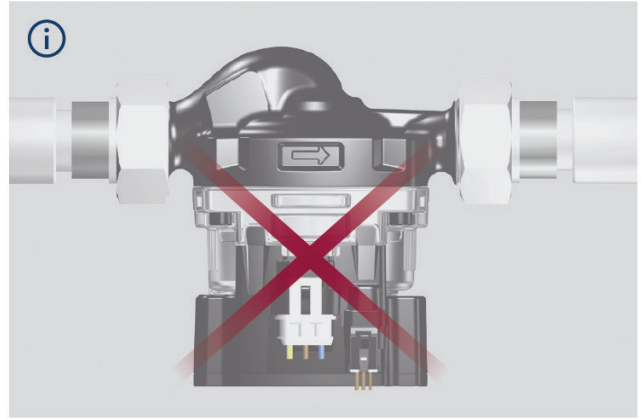
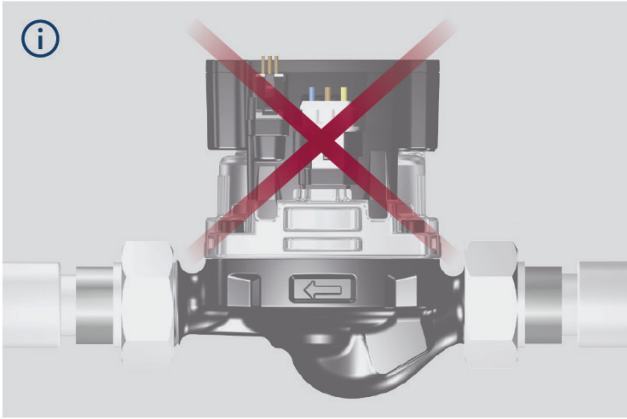
Setting selection UPM3

To select your desired setting, press the button repeatedly until you find the setting you need (see the table above). If you pass the desired setting, you have to go one more round until it appears again.

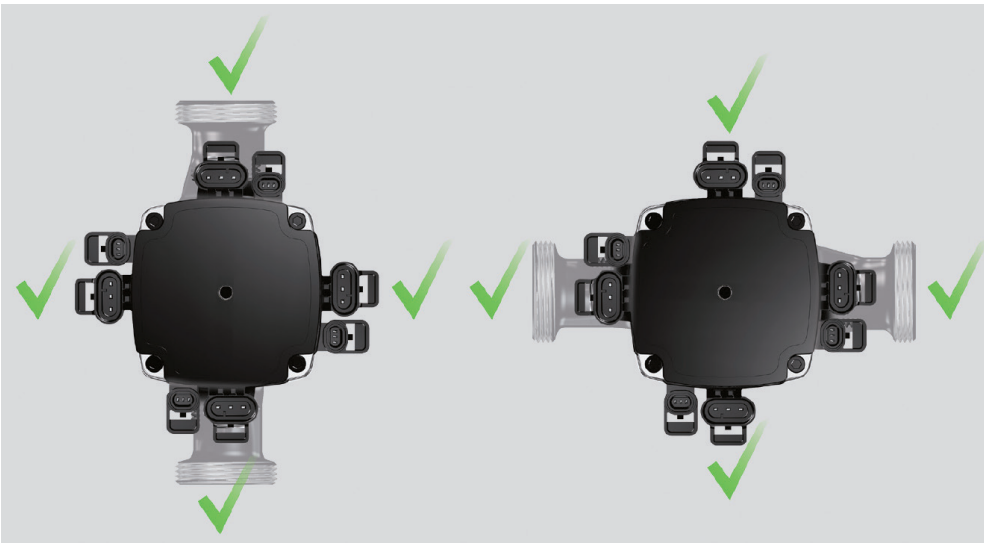
Error display

DISPLAY	CONTROL MODE
	Seized pump
	Too low power supply voltage
	Electric fault

Prohibited pump positions



Permissible pump positions



Pump wiring

