



UPM3 DHW 15-70 130

Installation and Operation Manual
**UPM3 DHW 15-70 Pump, 130 mm 1x230V, G1",
plastic, 1m cable**

EN

UPM3 DHW 15-70 130

UPM3 DHW 15-70 PUMP, 130 mm

Electrical data

Power supply	1 x 230 V, 50 Hz
Power input (min./max.)	2 / 52 W
Current (min./max.)	0.04 / 0.52 A
Max. speed	5766 rpm
Weighted average power	≤ 23 W
Energy Efficiency Index	≤ 0,20 by EN 16 297/3
IP rating	IP44
Motor protection	not needed

Minimum pressure at the suction port

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

Operation data

Fluid working temp.	2 to 95 °C
Max. static pressure	10 bar

Pump control

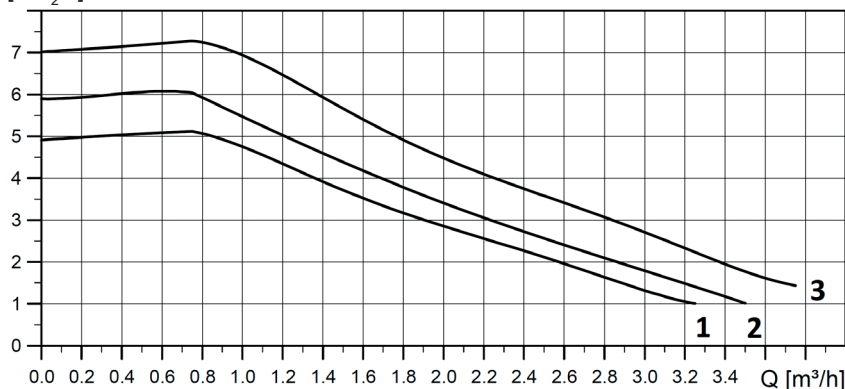
The circulation pump can be controlled without a PWM signal by selecting a pump performance curve or by an external PWM signal (profile for use in heating systems). The cable with terminal for pump control using PWM is not included in supply. It can be purchased as an option (code 16792), the cable is 2 m long.

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

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

Performance curves

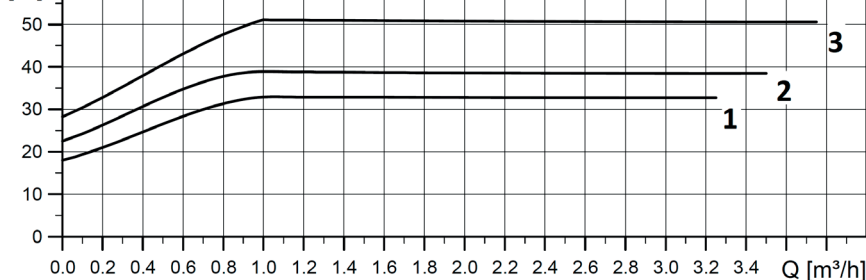
H [mH₂O]



Curve	Max. H (upper graph)	Max. P ₁ (bottom graph)
1	5 mH ₂ O	33 W
2	6 mH ₂ O	39 W
3	7 mH ₂ O	52 W

P1

[W]



Performance display



The LED marking is further omitted for better clarity.

DISPLAY	PERFORMANCE CURVE	STATE	Max. H (upper graph)
	1	LOW PERFORMANCE	5 m
	2	MEDIUM PERFORMANCE	6 m
	3	HIGH PERFORMANCE	7 m

WARNING: LEDs may be mirrored, depending on the specific pump type.

GREEN LED 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 current pump performance.

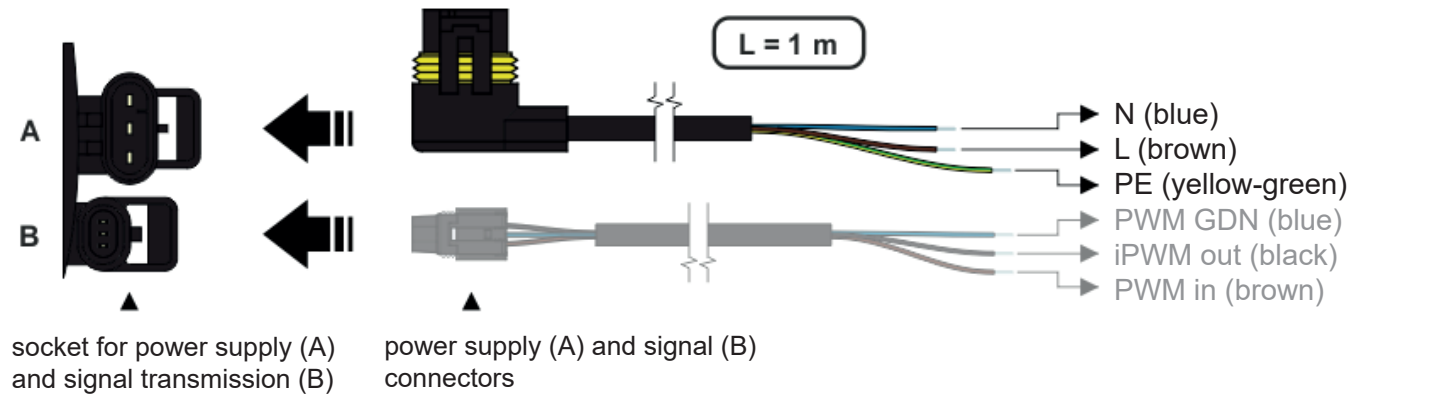
Setting selection for UPM3

To select your desired setting, press the button repeatedly until you find the setting you need (see the pic. 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

Pump wiring



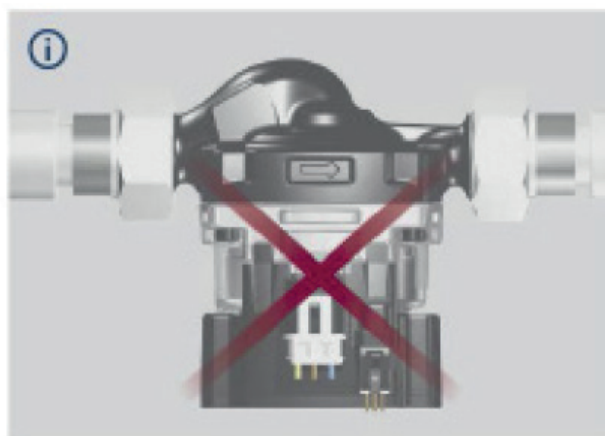
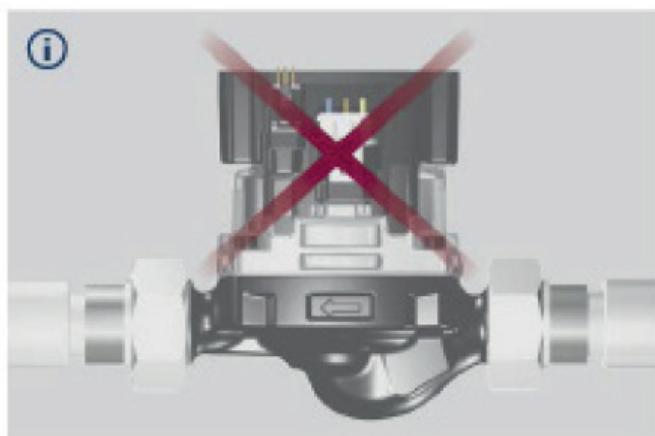
! Connector (B) with 2m cable is not included in supply. It can be purchased as an optional accessory, code 16792. POWER CABLE IS INCLUDED IN SUPPLY.

Accessory:

PWM Control Cable, 2 m long

code 16792

Forbidden pump positions



Permissible pump (actuator) positions

