

Intelligent solutions for all HVAC systems



be think innovate **GRUNDFOS**

Introducing UPM3

"The new generation of Grundfos UPM3 circulators is designed with our customers' needs and challenges in mind. The range offers the flexibility to meet any HVAC demand, the intelligence to do this with top-class efficiency, and the reliability to provide years and years of trouble-free operation."

- Henrik Bonde, President, Grundfos HVAC OEM

The HVAC industry faces the constant challenge of delivering smaller and more efficient products. This places great demands on the components inside. Our range of UPM3 circulators sets new standards for system integration, allowing you to exceed your customers' expectation.

Made to integrate – easily and efficiently

The UPM3 range comes with:

- » Optimised design fit for easy accessibility
- » Intelligent configuration
- » High efficiency (exceeding the Ecodesign benchmark level)
- » Unmatched reliability

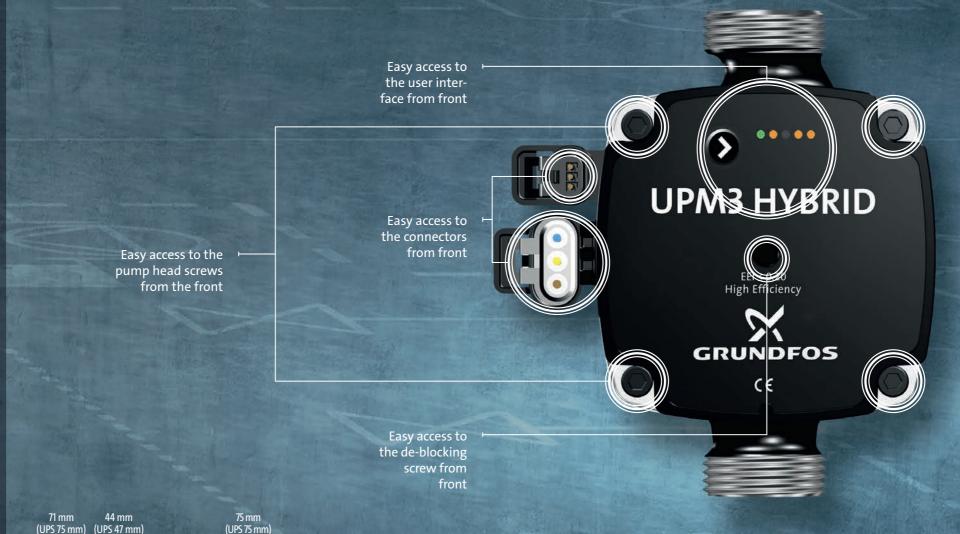
Two platforms. Unlimited possibilities.

The basic UPM3 hardware model is controlled via a signal cable entry and does not feature a user interface. The UPM3 Hybrid, on the other hand, combines external signal controlling and internal self-controlling, providing you with access to a full range of settings that will cover any circulator challenge you might encounter.

The UPM3 range is designed for all kinds of HVAC applications:

UPM3 HYBRID

- » Boiler systems
- » Heat pumps
- » Solar thermal systems
- » Heating kits
- » DHW systems
- » Micro CHP systems



SIZE 1:1

THE SMALLEST GRUNDFOS OEM CIRCULATOR EVER

THE UPM3 IS THE SMALLEST CIRCULATOR FOR SYSTEM INTEGRATION THAT WE HAVE EVER BUILT. JUST AS COMPACT AS THE UPS 15, IT OFFERS A FULL RANGE OF TECHNOLOGICAL INNOVATIONS, AS WELL.

130 mm

Made for trouble-free operations

ULTIMATE RELIABILITY

We know that no amount of features will ever make up for lacking reliability. That is why the UPM3 is made from only the most durable materials and with high quality craftsmanship in every welding.

To continue the success of the UPM2 and provide the lowest failure rate ever, the UPM3 comes with

- » Field and lab tested product quality
- » Ceramic bearing shaft
- » Double de-blocking system
- » High temperature resilience



Pushing the limits of innovation

Exceeding efficiency benchmarks

With its new advanced hydraulic system, the UPM3 exceeds the Ecodesign 2015 requirements of EEI < 0,20

Excellent product quality

To ensure that the UPM3 range lives up to the worldrenowned Grundfos quality, the range has been extensively lab and field-tested. And it has passed with flying colours.

Ceramic bearing shaft

SAFE!

SAFE!

INSTALLED IN OVER

MANUAL BACK-UF

BUILT FOR UP TO 70° C

AMBIENT TEMPERATURES

FUNCTION

200 MILLION CIRCULATORS

The UPM3 comes equipped with ceramic bearing shafts for a long and trouble-free lifetime. The ceramic material is extremely durable and will not wear.

Double de-blocking system

The UPM3 features a double safety de-blocking system: Electronic de-blocking that maintains the maximum starting torque up to 25 Ncm and manual de-blocking accessible from the front without demounting the control box.

Active inrush current limitation

In the new UPM3, the inrush current level is actively limited to a level that will not harm standard power relays. This reduces contact wear and extends product lifetime.

High temperature resilience

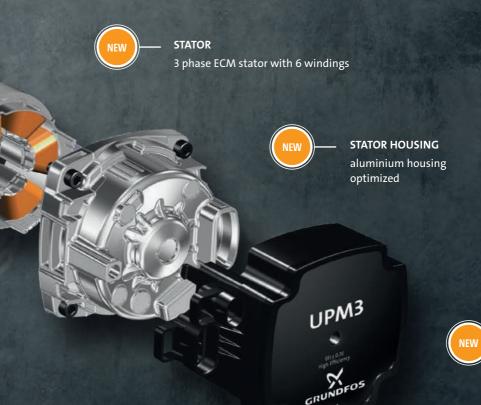
The UPM3 is designed to perform perfectly in ambient temperatures of up to 70° Celsius. The resilience to heat will enhance the possibilities of system integration enormously.

Two advanced platforms. Same superior hardware.





TWO PLATFORMS



CONTROL BOX

with high ingress protection, easy accessibility, and compact design for easy integration

The NEW UPM3 generation

WITH PWM SIGNAL

WITHOUT PWM SIGNAL



UPM3 xx - 40 25 W

















VERSIONS P1	VERSIONS P1
UPM3 xx - 75 60 W	UPM3 FLEX AS xx - 75 60 W
UPM3 xx - 70 52 W	UPM3 FLEX AS xx - 70 52 W
UPM3 xx - 60 39 W	UPM3 FLEX AS xx - 50 33 W
UPM3 xx - 50 33 W	

VERSIONS P1	VERSIONS
UPM3 FLEX AC xx - 75 60 W	UPM3 DHW xx - 70
UPM3 FLEX AC xx - 70 52 W	UPM3 DHW xx - 50
UPM3 FLEX AC xx - 50 33 W	UPM3 DHW xx - 20

VERSIONS P1	VERSIONS P1
UPM3 DHW xx - 70 52 W	UPM3K xx - 75 60 W
UPM3 DHW xx - 50 33 W	UPM3K xx - 70 52 W
UPM3 DHW xx - 20 11 W	UPM3K xx - 50 33 W
	MARKET SHOW SHOW

A STATE OF STREET	
VERSIONS	P1
UPM3 SOLAR xx - 145	60 W
UPM3 SOLAR xx - 105	52 W
UPM3 SOLAR xx - 75	45 W

The second secon	
VERSIONS	P1
UPM3 HYBRID xx - 70	52 W
UPM3 HYBRID xx - 50	33 W

ı	VERSIONS	P1
١	UPM3 AUTO L xx - 70	52 W
ı	UPM3 AUTO L xx - 50	33 W

	VERSIONS	P1
V	UPM3 AUTO xx - 70	52 W
٧	UPM3 AUTO xx - 50	33 W

THERE IS A **UPM3 FOR EVERY PROJECT**

No matter if you are looking for a circulator with one fixed setting or a more flexible solution, with or without PWM signal, there is a UPM3 to meet your demands.

Take for instance the UPM 3 Hybrid. By combining external controlling with internal self-controlling, the UPM3 Hybrid is actually two advanced platforms in one. This gives you access to a full range settings, covering all your circulator needs.



SOLAR THERMAL SYSTEMS



HEAT PUMP SYSTEMS



BOILER SYSTEMS



DHW KIT



HEATING KIT SYSTEMS



HEATING/COOLING SYSTEMS



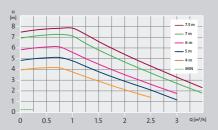












EXTERNALLY CONTROLLED BY	MAX HEAD
PWM PROFILE A	7,5 M
PWM PROFILE C	7 M
KM BUS	6 M
	5 M
	4 M





PWM PROFILE C

UPM3

UPM3 is the right choice for all projects and appliances produced on a big scale where only one specific external control mode with one specific speed range is requested.

UPM3 is externally controlled via a signal cable entry available as versions with maximum head between 4 and 7,5 m and a wide range of standard and customized housings.

UPM3 15-75 130 60 W EEI ≤ 0.20 UPM3 25-75 130 60 W EEI ≤ 0.20 UPM3 25-75 180 60 W EEI ≤ 0.20 UPM3 15-70 130 52 W EEI ≤ 0.20 UPM3 25-70 130 52 W EEI ≤ 0.20 UPM3 25-70 180 52 W EEI ≤ 0.20 UPM3 15-60 130 39 W EEI ≤ 0.20 UPM3 25-60 130 39 W EEI ≤ 0.20 UPM3 25-60 180 39 W EEI ≤ 0.20 UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20	VERSIONS	P1	EEI
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UPM3 15-70 130 52 W EEI ≤ 0.20 UPM3 25-70 130 52 W EEI ≤ 0.20 UPM3 25-70 180 52 W EEI ≤ 0.20 UPM3 15-60 130 39 W EEI ≤ 0.20 UPM3 25-60 130 39 W EEI ≤ 0.20 UPM3 25-60 180 39 W EEI ≤ 0.20 UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-75 130	60 W	EEI ≤ 0.20
UPM3 25-70 130 52 W EEI ≤ 0.20 UPM3 25-70 180 52 W EEI ≤ 0.20 UPM3 15-60 130 39 W EEI ≤ 0.20 UPM3 25-60 130 39 W EEI ≤ 0.20 UPM3 25-60 180 39 W EEI ≤ 0.20 UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-75 180	60 W	EEI ≤ 0.20
UPM3 25-70 180 52 W EEI ≤ 0.20 UPM3 15-60 130 39 W EEI ≤ 0.20 UPM3 25-60 130 39 W EEI ≤ 0.20 UPM3 25-60 180 39 W EEI ≤ 0.20 UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 15-70 130	52 W	EEI ≤ 0.20
UPM3 15-60 130 39 W EEI ≤ 0.20 UPM3 25-60 130 39 W EEI ≤ 0.20 UPM3 25-60 180 39 W EEI ≤ 0.20 UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-70 130	52 W	EEI ≤ 0.20
UPM3 25-60 130 39 W EEI ≤ 0.20 UPM3 25-60 180 39 W EEI ≤ 0.20 UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-70 180	52 W	EEI ≤ 0.20
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UPM3 15-50 130 33 W EEI ≤ 0.20 UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-60 130	39 W	EEI ≤ 0.20
UPM3 25-50 130 33 W EEI ≤ 0.20 UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-60 180	39 W	EEI ≤ 0.20
UPM3 25-50 180 33 W EEI ≤ 0.20 UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 15-50 130	33 W	EEI ≤ 0.20
UPM3 15-40 130 25 W EEI ≤ 0.20 UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-50 130	33 W	EEI ≤ 0.20
UPM3 25-40 130 25 W EEI ≤ 0.20	UPM3 25-50 180	33 W	EEI ≤ 0.20
	UPM3 15-40 130	25 W	EEI ≤ 0.20
LIDM2 25 40 190 25 W EEL < 0.20	UPM3 25-40 130	25 W	EEI ≤ 0.20
UFIVID 23°40 IOU 23 W EEI 2 0.20	UPM3 25-40 180	25 W	EEI ≤ 0.20

UPM3 FLEX AS

UPM3 FLEX AS is a flexible solution for boiler systems now and in the future. It is designed to work both with and without PWM signal, allowing you to upgrade your systems without having to change the controller available as 7,5, 7 or 5 m version.

VERSIONS	P1	EEI
UPM3 FLEX AS 15-75 130	60 W	EEI ≤ 0.20
UPM3 FLEX AS 25-75 130	60 W	EEI ≤ 0.20
UPM3 FLEX AS 25-75 180	60 W	EEI ≤ 0.20
UPM3 FLEX AS 15-70 130	52 W	EEI ≤ 0.20
UPM3 FLEX AS 25-70 130	52 W	EEI ≤ 0.20
UPM3 FLEX AS 25-70 180	52 W	EEI ≤ 0.20
UPM3 FLEX AS 15-50 130	33 W	EEI ≤ 0.20
UPM3 FLEX AS 25-50 130	33 W	EEI ≤ 0.20
UPM3 FLEX AS 25-50 180	33 W	EEI ≤ 0.20

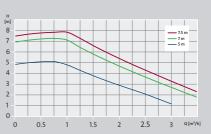
SETTING VIEW











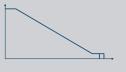
SETTING OPTIONS

PUMP RUNS WITHOUT PWM SIGNAL

T WWW SIGNAL		
MAXIMUM CURVE		
2 M	4 M	4 M
3 M	5 M	5 M
4 M	6 M	6 M
5 M	7 M	7,5 M

PUMP RUNS WITH PWM SIGNAL

PWM PROFILE A		
2 M	4 M	4 M
3 M	5 M	5 M
4 M	6 M	6 M
5 M	7 M	7,5 M









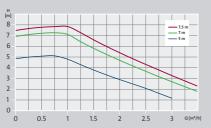












		IMP RUNS ITH PWM GNAL	PUMP RI PWM SIG	UNS WITH	,
PWM	PROFILE	A	PWM	PROFILE	C
2 M	4 M	4 M	2 M	4 M	4 M
3 M	5 M	5 M	3 M	5 M	5 M
4 M	6 M	6 M	4 M	6 M	6 M
5 M	7 M	7,5 M	5 M	7 M	7,5 M

UPM3 FLEX AC

By combining 2 PWM profiles, the UPM3 FLEX AC brings new flexibility to the system developer, the OEM production and even to the field installation. Without changing the hardware, the settings can

Without changing the hardware, the settings can easily be changed: with 4 maximum curves either with PWM profile A for heating or PWM profile C for solar available as 7 m version.

VERSIONS	P1	EEI
UPM3 FLEX AC 15-75 130	60 W	EEI ≤ 0.20
UPM3 FLEX AC 25-75 130	60 W	EEI ≤ 0.20
UPM3 FLEX AC 25-75 180	60 W	EEI ≤ 0.20
UPM3 FLEX AC 15-70 130	52 W	EEI ≤ 0.20
UPM3 FLEX AC 25-70 130	52 W	EEI ≤ 0.20
UPM3 FLEX AC 25-70 180	52 W	EEI ≤ 0.20
UPM3 FLEX AC 15-50 130	33 W	EEI ≤ 0.20
UPM3 FLEX AC 25-50 130	33 W	EEI ≤ 0.20
UPM3 FLEX AC 25-50 180	33 W	EEI ≤ 0.20

SETTING VIEW

PWM PROFILE A: CURVE 1	• • • •
PWM PROFILE A: CURVE 2	••••
PWM PROFILE A: CURVE 3	••••
PWM PROFILE A: CURVE 4	••••
PWM PROFILE C: CURVE 1	• • • • •
PWM PROFILE C: CURVE 2	• • • •
PWM PROFILE C: CURVE 3	••••
PWM PROFILE C: CURVE 4	• • • •

UPM3 K

UPM3 K are UPM3 variants for applications with occasionally condensation as systems for heating and cooling with medium temperature 2°C ...110°C. All UPM3 versions are available with cataphoretic coated stator housing and drain hole in versions with 7,5, 7 or 5 m head.

VERSIONS	P1	EEI
UPM3 K 15-75 130	60 W	EEI ≤ 0.20
UPM3 K 25-75 130	60 W	EEI ≤ 0.20
UPM3 K 25-75 180	60 W	EEI ≤ 0.20
UPM3 K 15-70 130	52 W	EEI ≤ 0.20
UPM3 K 25-70 130	52 W	EEI ≤ 0.20
UPM3 K 25-70 180	52 W	EEI ≤ 0.20
UPM3 K 15-50 130	33 W	EEI ≤ 0.20
UPM3 K 25-50 130	33 W	EEI ≤ 0.20
UPM3 K 25-50 180	33 W	EEI ≤ 0.20

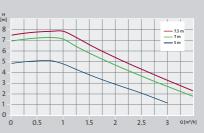
SETTING VIEW

2511	ING VIEW	
PWM PROFILE A: CURVE 1		• • • • •
PWM PROFILE A: CURVE 2		••••
PWM PROFILE A: CURVE 3		••••
PWM PROFILE A: CURVE 4		••••
PWM PROFILE C: CURVE 1		• • • • •
PWM PROFILE C: CURVE 2		• • • • •
PWM PROFILE C: CURVE 3		• • • •
PWM PROFILE C: CURVE 4		• • • •









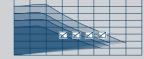
SETTING OPTIONS

WITHOUT PWM WITH PWM SIGNAL SIGNAL				PWM SIG	GNAL	
PWM	PROFILE	A		PWM	PROFILE	С
2 M	4 M	4 M		2 M	4 M	4 M
3 M	5 M	5 M		3 M	5 M	5 M
4 M	6 M	6 M		4 M	6 M	6 M
5 M	7 M	7,5 M		5 M	7 M	7,5 M
<u></u>			1			



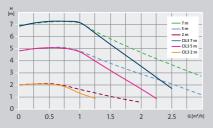












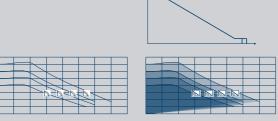
MAXIMUM CURVE			
0,5 M	2 M	4 M	
1 M	3 M	5 M	
1,5 M	4 M	6 M	
2 M	5 M	7 M	

PUMP RUNS WITHOUT

PWM SIGNAL

PUMP RUNS WITH PWM SIGNAL

PWM PROFILE A			
0,5 M	2 M	4 M	
1 M	3 M	5 M	
1,5 M	4 M	6 M	
2 M	5 M	7 M	



UPM3 DHW

UPM3 DHW is an OEM high efficient circulator offering flexible solutions for potable drinking water systems.

It is designed to recirculate domestic hot water using drinking water approved housings made out of stainless steel or PPS.

It is available in 2, 5 or 7 m versions applicable for domestic hot water systems with or without externally PWM speed control

P1	EEI
52 W	EEI ≤ 0.20
52 W	EEI ≤ 0.20
52 W	EEI ≤ 0.20
33 W	EEI ≤ 0.20
33 W	EEI ≤ 0.20
33 W	EEI ≤ 0.20
11 W	EEI ≤ 0.20
11 W	EEI ≤ 0.20
11 W	EEI ≤ 0.20
	52 W 52 W 52 W 33 W 33 W 11 W

SETTING VIEW

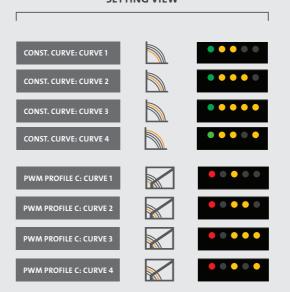
1	I
PWM PROFILE A: CURVE 1	••••
PWM PROFILE A: CURVE 2	• • • •
PWM PROFILE A: CURVE 3	••••
PWM PROFILE A: CURVE 4	••••

UPM3 SOLAR

UPM3 SOLAR is an OEM high efficient circulator offering flexible solutions for thermal solar systems - no matter if matched flow, constant flow or drainback. It is applicable for solar fluid up to 130°C and designed to work both with and without PWM signal, allowing you to upgrade your systems without having to change the controller available as 7,5, 10,5 or 14,5 m version.

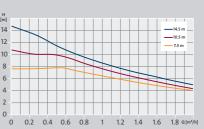
VERSIONS	P1	EEI
UPM3 SOLAR 15-145 130	60 W	EEI ≤ 0.20
UPM3 SOLAR 25-145 130	60 W	EEI ≤ 0.20
UPM3 SOLAR 25-145 180	60 W	EEI ≤ 0.20
UPM3 SOLAR 15-105 130	52 W	EEI ≤ 0.20
UPM3 SOLAR 25-105 130	52 W	EEI ≤ 0.20
UPM3 SOLAR 25-105 180	52 W	EEI ≤ 0.20
UPM3 SOLAR 15-75 130	45 W	EEI ≤ 0.20
UPM3 SOLAR 25-75 130	45 W	EEI ≤ 0.20
UPM3 SOLAR 25-75 180	45 W	EEI ≤ 0.20

SETTING VIEW



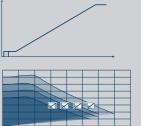






SETTING OPTIONS

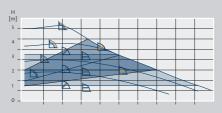
PWM PROFILE C	CONSTANT CURVE
4,5 M 4,5 M 6,5 M	4,5 M 4,5 M 6,5 M
5,5 M 6,5 M 8,5 M	5,5 M 6,5 M 8,5 M
6,5 M 8,5 M 10,5 M	6,5 M 8,5 M 10,5 M
7,5 M 10,5 M 14,5 M	7,5 M 10,5 M 14,5 M

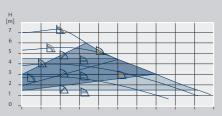












CONSTANT PRESSURE	CONSTANT CURVE
CURVE 1	2 M 4 M
CURVE 2	3 M 5 M
CURVE 3	4 M 6 M
AUTOADAPT	5 M 7 M
	CURVE 1 CURVE 2 CURVE 3

UPM3 AUTO

UPM3 AUTO is for all applications in which an internally controlled pump is needed. It is designed to be used in appliances or cabinets with increased ambient temperatures and limited space options; either in standalone applications or in kit systems without PWM controller available as 7 or 5 m version.

VERSIONS	P1	EEI
UPM3 AUTO 15-70 130	52 W	EEI ≤ 0.20
UPM3 AUTO 25-70 130	52 W	EEI ≤ 0.20
UPM3 AUTO 25-70 180	52 W	EEI ≤ 0.20
UPM3 AUTO 15-50 130	33 W	EEI ≤ 0.20
UPM3 AUTO 25-50 130	33 W	EEI ≤ 0.20
UPM3 AUTO 25-50 180	33 W	EEI ≤ 0.20

SETTING VIEW

PROP. PRESS.: CURVE 1		••••
PROP. PRESS.: CURVE 2		• • • •
PROP. PRESS.: CURVE 3		••••
PROP. PRESS.: AUTOADAPT		••••
	Ь	
CONST. PRESS.: CURVE 1		
CONST. PRESS.: CURVE 2		• • • • •
CONST. PRESS.: CURVE 3		• • • • •
CONST. PRESS.: AUTOADAPT		• • • • •
	Ь	
CONST. CURVE: CURVE 1		
CONST. CURVE: CURVE 2		••••
CONST. CURVE: CURVE 3		••••

UPM3 AUTO L

UPM3 AUTO L is for all applications in which an internally controlled pump is needed. It is designed to be used in appliances or cabinets with increased ambient temperatures and limited space options; either in standalone applications or in kit systems without PWM controller. available as 7 or 5 m version.

The AUTO L does not feature AUTOADAPT modes.

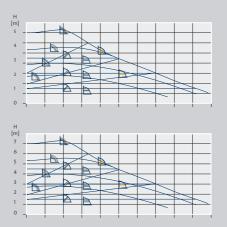
VERSIONS	P1	EEI
UPM3 AUTO L 15-70 130	52 W	EEI ≤ 0.20
UPM3 AUTO L 25-70 130	52 W	EEI ≤ 0.20
UPM3 AUTO L 25-70 180	52 W	EEI ≤ 0.20
UPM3 AUTO L 15-50 130	33 W	EEI ≤ 0.20
UPM3 AUTO L 25-50 130	33 W	EEI ≤ 0.20
UPM3 AUTO L 25-50 180	33 W	EEI ≤ 0.20

SETTING VIEW

PROP. PRESS.: CURVE 1	• • • • •
PROP. PRESS.: CURVE 2	• • • •
PROP. PRESS.: CURVE 3	• • • •
CONST. PRESS.: CURVE 1	• • • •
CONST. PRESS.: CURVE 2	• • • • •
CONST. PRESS.: CURVE 3	• • • • •
CONST. CURVE: CURVE 1	• • • • •
CONST. CURVE: CURVE 2	• • • •
CONST. CURVE: CURVE 3	• • • • •
CONST. CURVE: CURVE 4	••••







SETTING OPTIONS

PROPORTIONAL PRESSURE	CONSTANT PRESSURE	CONSTANT CURVE
CURVE 1	CURVE 1	2 M 4 M
CURVE 2	CURVE 2	3 M 5 M
CURVE 3	CURVE 3	4 M 6 M
		5 M 7 M







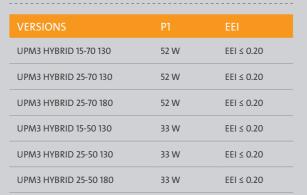












PROPORTIONAL PRESSURE	CONSTANT PRESSURE	CONSTANT CURVE
CURVE 1	CURVE 1	2 M 4 M
CURVE 2	CURVE 2	3 M 5 M
CURVE 3	CURVE 3	4 M 6 M
AUTOADAPT	AUTOADAPT	5 M 7 M

SETTING OPTIONS

PWM PR	OFILE A	PWM PROFILE C
2 M	4 M	2 M 4 M
3 M	5 M	3 M 5 M
4 M	6 M	4 M 6 M
5 M	7 M	5 M 7 M

UPM3 HYBRID

By combining external controlling through signal entry with internal self-controlling, the UPM3 HYBRID covers all your circulator needs in one product, providing you with access to a full range of settings available as 7 or 5 m version.

SETTING VIEW

PROP. PRESS.: CURVE 1	• • • • •
PROP. PRESS.: CURVE 2	• • • •
PROP. PRESS.: CURVE 3	••••
PROP. PRESS.: AUTOADAPT	••••
CONST. PRESS.: CURVE 1	• • • • •
CONST. PRESS.: CURVE 2	• • • •
CONST. PRESS.: CURVE 3	• • • • •
CONST. PRESS.: AUTOADAPT	••••
CONST. CURVE: CURVE 1	••••
CONST. CURVE: CURVE 2	••••
CONST. CURVE: CURVE 3	••••
CONST. CURVE: CURVE 4	••••
PWM PROFILE A: CURVE 1	••••
PWM PROFILE A: CURVE 2	• • • •
PWM PROFILE A: CURVE 3	• • • •
PWM PROFILE A: CURVE 4	• • • •
PWM C PROFILE: CURVE 1	• • • •
PWM C PROFILE: CURVE 2	• • • •
PWM C PROFILE: CURVE 3	• • • • •
PWM C PROFILE: CURVE 4	• • • • •

Wide range of dedicated **OEM pump housings generation**

UPM3 are available with a wide range of dedicated standard or customized pump housings with different dimensions, materials, design or additional functionalities.



CED 15x130mm



CED 25x130mm



CED 25x180mm



CED 32x180mm



CIL3 15x130mm



NIRO 25x130mm



NIRO 25x180mm



NIRO 32x180mm





GGES3



GGMBP3



GGBP3



AOKR



CAOD



CIAO2



CIAO AC



CACAO



CESAO1



CESAO2



CESAO4