

Circulation Pumps

Guidelines towards choice and substitution

Updated to 05/01/2024

**Model range with technical and performance data
Compatibility tables and drawings for replacements**



ANTARES[®]
pumps

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ANTARES Pumps is a productive section of Antares for Water & Fire srl

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High energy efficient circulators

MODELS

- ▶ **Modulex**
- ▶ **AlfaMax**
- ▶ **AlfaMaior**
- ▶ **AlfaPlus**
- ▶ **AlfaMega**

Use:

- Boilers
- Heat pumps
- Heating and air conditioning systems
- Solar systems
- Mixing and heat exchange unit
- Biomass heating
- Geothermal systems

Construction features:

- Operating temperature 2°C ~ 110°C.
- Maximum pressure: 10 bar.
- Wet rotor pump
- Protection class: IP42 - Insulation class: F.

Special features:

- Energy efficiency index less than 0.20
- Built-in electronic protection
- Use with water and antifreeze fluids

Functionality:

• Controlled by two buttons on the front panel. When voltage is present the display turns on turns on and shows the power absorption instant.

The buttons are used for:

- Setting the operating mode
- Activation of night-time power reduction.

Setting the operating mode:

- Automatic operation in relation to required head of the system, for this purpose to optimize electricity consumption.
- Three pre-selectable fixed speeds.
- Constant pressure.
- Proportional pressure.





**MODULEX CIRCULATOR
TYPE UPM HYBRID**

Universal circulator for all applications and replacements

Universal interchangeability:

It means it can easily replace broken circulators or low energy efficiency without storing unnecessary spare parts, saving space, time and money.

High energy efficiency:

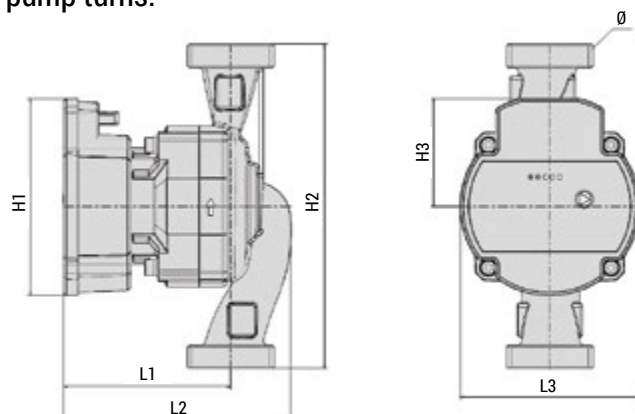
Not only is it suitable for replacing circulators failures, but it also has high efficiency energy, which makes it optimal for new systems and renovations. It has a compact motor energy efficiency, which absorbs a smaller quantity of energy compared to older generation models and therefore allows you to reduce management costs installations.

Multiple applications:

- Boilers
- Traditional heating systems
- Radiant floor heating systems
- Mixing and heat exchange unit
- Biomass heating

- ▶ **Universal circulator for all applications.**
- ▶ **Universal circulator for all replacements**
- ▶ **Intelligent frequency conversion circulator with electronic control of:**
 - **PP - Proportional Pressure**
 - **CP - Constant Pressure**
 - **CS - Constant Speed**
 - **Self Adapt - Automatic Control**
- ▶ **Complies with the European Eup/Erp directives with energy efficiency index ≤ 0.21 .**
- ▶ **Equipped with PWM controller for external adjustment.**
- ▶ **Structural quality: rotating parts made up of Ceramic bearings, resistant to wear.**

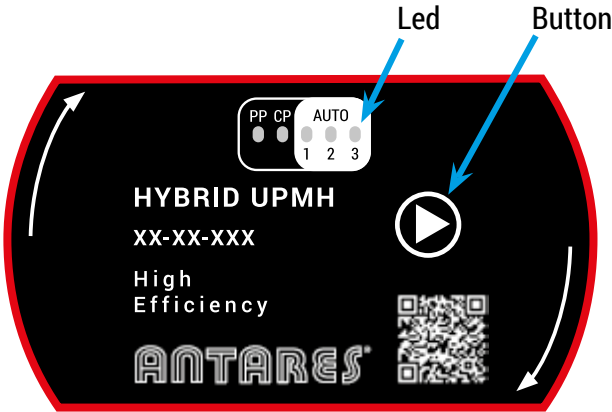
The ANTARES MODULEX UPM- circulation pump is an intelligent frequency conversion circulator with electronic control of the differential pressure integrated, with the possibility of setting the module regulation and head (differential pressure). The differential pressure is regulated by the number of pump turns.



Models and reference codes

Art. code	Model	Head mt	Max Flow m³/h	Thread Ø	Height
					H2
P.110.69	UPMH 15-60-130	1-6	2.9	1" M.	130
P.110.60	UPMH 25-60-130		3.2	1 1/2" M.	130
P.110.68	UPMH 25-60-180		3.2	1 1/2" M.	180
P.110.89	UPMH 15-80-130	1-8	2.9	1" M.	130
P.110.84	UPMH 20-80-130		-	1 1/4" M.	130
P.110.80	UPMH 25-80-130		3.4	1 1/2" M.	130
P.110.88	UPMH 25-80-180		3.6	1 1/2" M.	180
P.110.82	UPMH 32-80-180		4.0	2" M.	180

Control panel



Performance curves

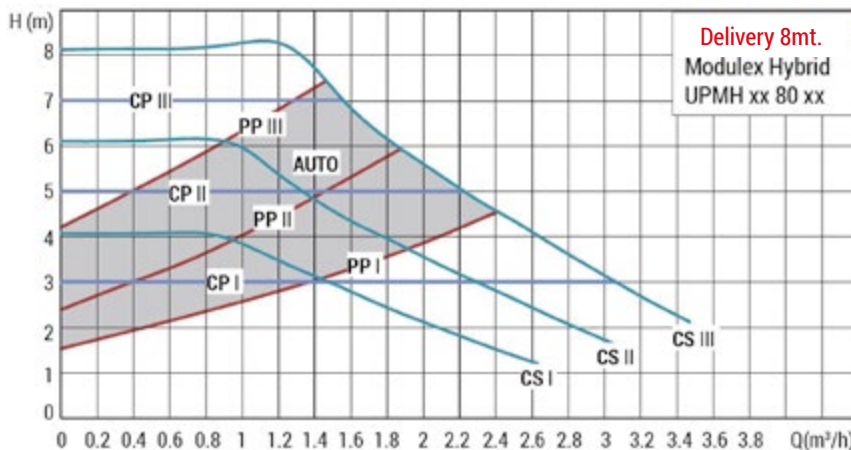
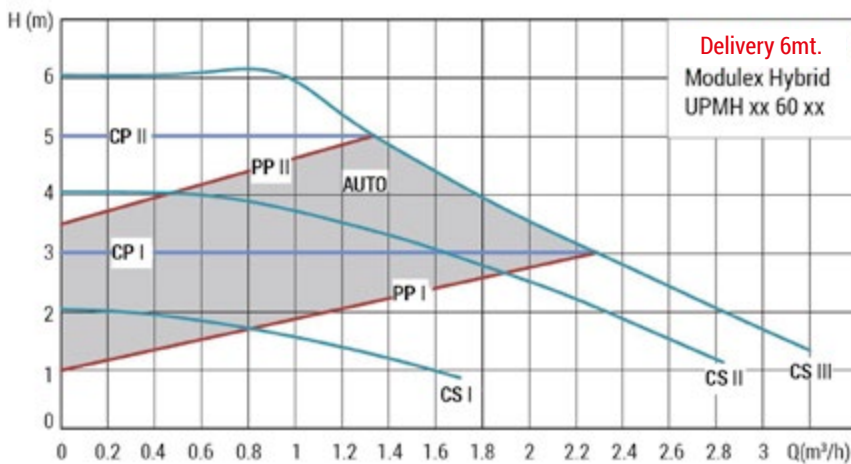
Functions of the different models List of pump performance symbols:

- **PP**= Proportional Pressure
- **CS**= Constant Speed
- **CP**= Constant Pressure
- **AUTO** = Self Adapt - Automatic control



Possibility to set the regulation mode and the delivery (differential pressure).
The differential pressure is regulated by the number of pump turns.

Performance curves



Working conditions

- Liquid temperature: 2°C ~ 110°C
- Room temperature: 0°C ~ 40°C
- Max. system pressure: 10 bar
- Protection level: IP44
- Rated voltage/frequency: 220 V ~ 240 V / 50 Hz
- Insulation class: E
- Characteristics of the pumped liquid: clean, free from solids and mineral oils, non-toxic, chemically neutral
- Installation: the motor shaft must be kept in the horizontal direction

More detailed technical data sheets can be requested or downloaded from our website:

www.antaresint.com



Functions of the different models

Model MODULEX	Internal control			External control
	Proportional Pressure	Constant Pressure	Constant Curve	
HYBRID UPMH	I	I	I	PWM
	II	II	II	
	III	III	III	
	AUTO	-	-	P1
SOLAR UPMS (P.023)	I	I	I	P2/P1
	II	II	II	
	III	III	III	
	AUTO	-	-	

Our technical department is available for any further details

THE CIRCULATOR CAN BE INSTALLED ON PLASTIC COMPOSITE BODIES (FOR OEM)



"AlfaMax" small capacity series 5-6 mt. with sideward electronic equipment



6 mt.

2-year warranty



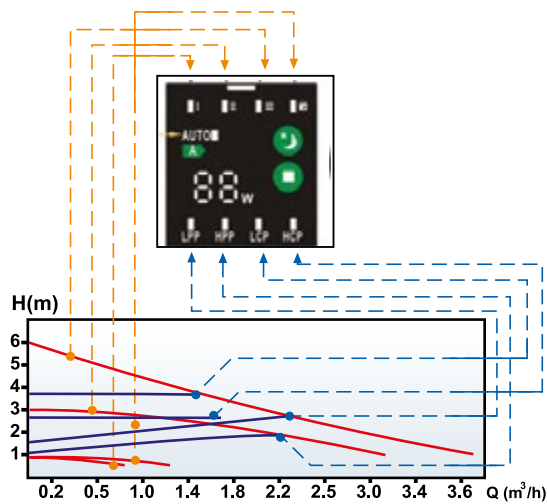
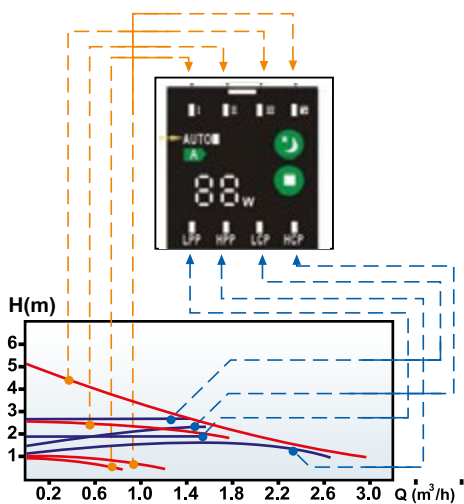
CIRCULATION PUMP
energy class A
Coefficient EEI < 0.20



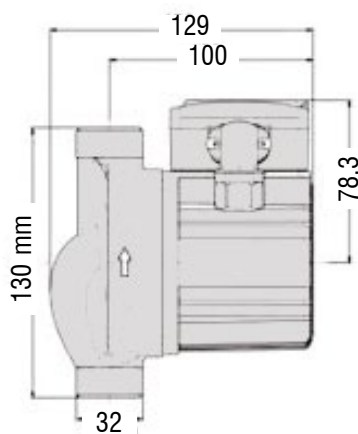
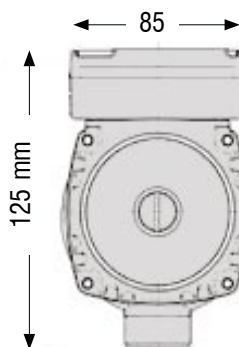
Art. P065

AS --/ 50

AS --/ 60



Quota



Art. P065 - "AlfaMax" wet rotor circulation pump with high energy efficiency, certified in class A and with EEI energy efficiency coefficient less than 0.20. With sideward electronic equipment.

Wet rotor – 2 year warranty. Already compliant with the new European ERP directive 200/125/EC. For the insulating shell see art. P070 page 25.

Order code	Type AlfaMax	Max delivery mt.	Max flow lt./min.	Height H	Connections Ø	W
P065.59	AS 15/50	5	50,5	130	1" M.	32
P065.50	AS 25/50			130	1 1/2" M.	32
P065.69	AS 15/60	6	60	130	1" M.	45
P065.60	AS 25/60			130	1 1/2" M.	45

"AlfaMax" small capacity series 6-8 mt. with up front electronic equipment



2-year warranty

CIRCULATION PUMP
energy class A
Coefficient EEI < 0.20

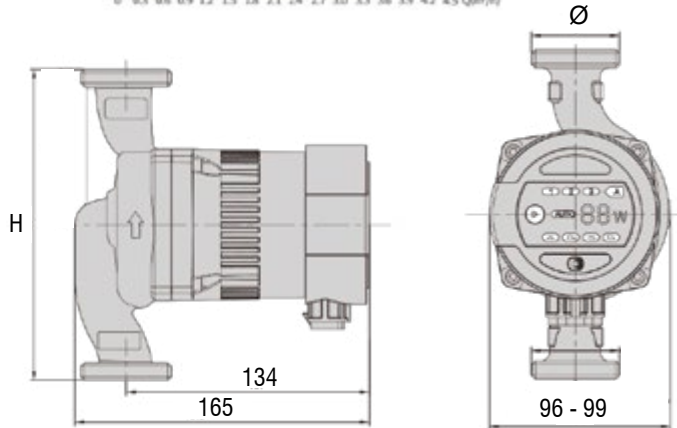
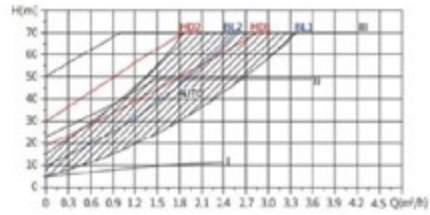
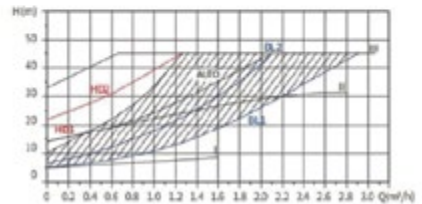
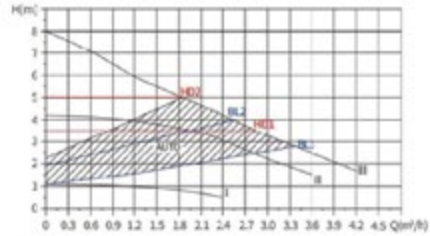
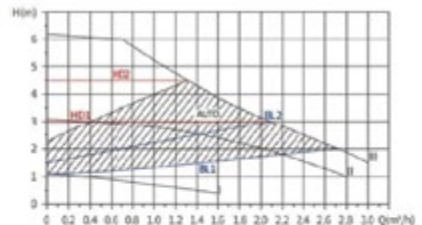
Art. P.064



8 mt.

4,9 m³/h
RS --/ 60

RS --/ 80




Art. P.064 - "AlfaMax" wet rotor circulation pump with high energy efficiency, certified in class A and with coefficient energy efficiency EEI lower than 0.20. With display of electricity consumption.

Wet rotor – 2 year warranty. Already compliant with the new European ERP directive 200/125/EC. For the insulating shell see art. P.070 page 25.

Order code	Type AlfaMax	Max delivery mt	Max flow lt./min.	Height H	Connections Ø	W
P.064.69	RS 15/60	6	46	130	1" M.	45
P.064.64	RS 20/60		46	130	1 1/4" M.	45
P.064.60	RS 25/60		53	130	1 1/2" M.	45
P.064.68	RS 25/60		53	180	1 1/2" M.	45
P.064.62	RS 32/60		66	180	2" M.	45
P.064.89	RS 15/80	8	70	130	1" M.	70
P.064.84	RS 25/80		70	130	1 1/2" M.	70
P.064.80	RS 25/80		70	180	1 1/2" M.	70
P.064.82	RS 32/80		83	180	2" M.	70

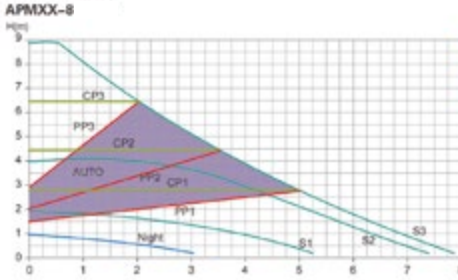
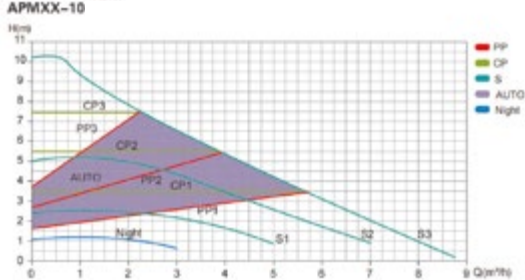


AlfaMaior medium flow range series 8-10 mt. with up front electronic equipment

2-year warranty



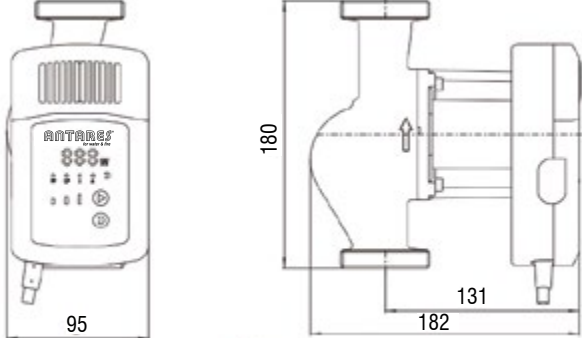
H
10 m

Q
9 m³/h

CIRCULATION PUMP
class A energy
Coefficient EEI < 0.20

Art. P.066




Art. P.066 - "AlfaMaior" wet rotor circulation pump with high energy efficiency certified in class A and with coefficient energy efficiency EEI lower than 0.20. With front electronic equipment. For the insulating shell see art. P.070 page 25

Complies with European Directive 200/125/EC. Flow rates and head as shown in the table. 2 year warranty. Height 180 mm.

Order code	Type	Max delivery mt	Connections Ø	Max flow m ³ /h.	Power.
P066.12	APM 25/8	8	1 1/2"	8	80 W
P066.20	APM 32/8	8	2"	8	
P066.52	APM 25/10	10	1 1/2"	9	120 W
P066.70	APM 32/10	10	2"	9	

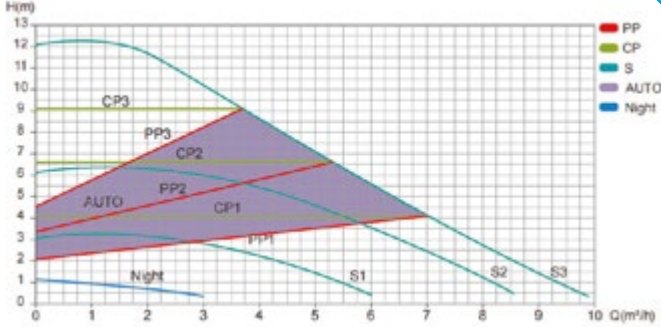
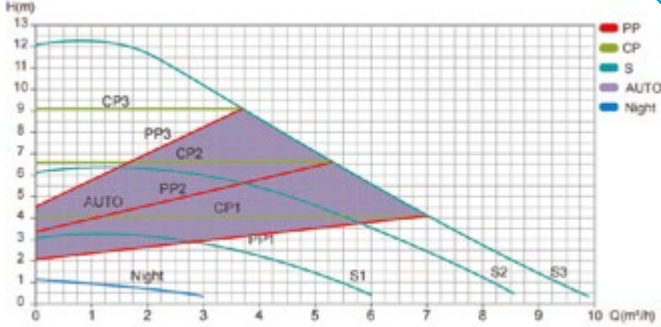
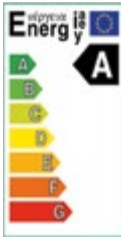

AlfaMaior medium flow range series 12 mt. with up front electronic equipment

2 anni di garanzia



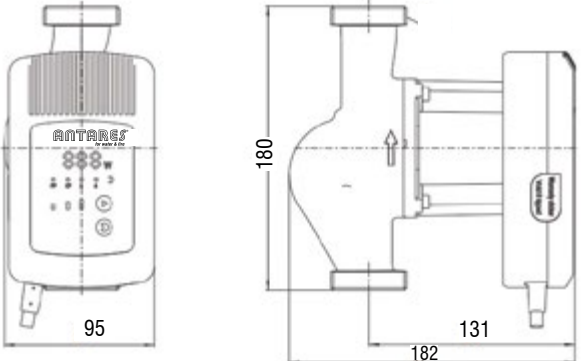
H
12 m

Q
10 m³/h

CIRCULATION PUMP
class A energy
Coefficient EEI < 0.20

Art. P.076



Art. P.076 - "AlfaMaior" wet rotor circulation pump with high energy efficiency certified in class A and with coefficient energy efficiency EEI lower than 0.20. With front electronic equipment. For the insulating shell see art. P.070 page 25

Complies with European Directive 200/125/EC. Flow rates and head as shown in the table. 2 year warranty. Height 180 mm. Power 180W..

Order code	Type	Max delivery mt	Connections Ø	Max flow m ³ /h.
P.076.12	APM 25/12	12	1 1/2"	10
P.076.20	APM 32/12	12	2"	10

AlfaPlus 12mt medium-high flow rate and head series with PWM for heat pumps

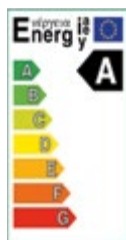
2-year warranty



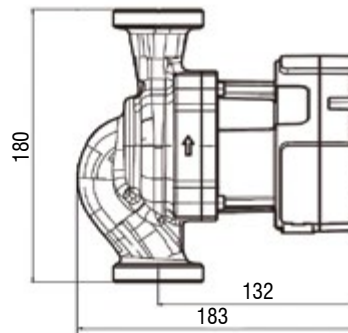
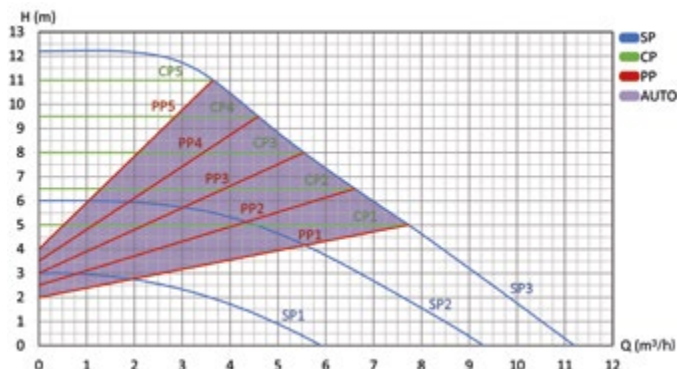
CIRCULATION PUMP
class A energy
Coefficient EEI < 0.23



PWM



Art. P078.2-



Art. P078 - High efficiency wet rotor AlfaPlus circulation pump certified with PWM, suitable for heat pumps, with front electronic equipment. For the insulating shell see art. P070 page 20 (F)

Complies with European Directive 200/125/EC. Flow rates and head as shown in the table. 2 year warranty. Height 180 mm. Power 220W.

Order code	Type	Max delivery mt	Connections Ø	Max flow m³/h.
P078.20	EAW 25/12	12	1 1/2"	11,2
P078.22	EAW 32/12	12	2"	11,2

AlfaPlus 18mt medium-high flow rate and head series with PWM for heat pumps

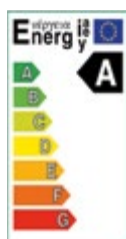
2-year warranty



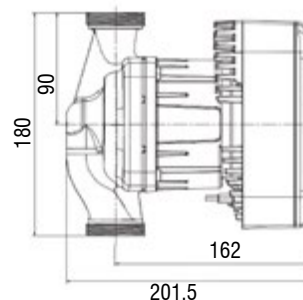
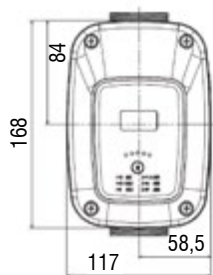
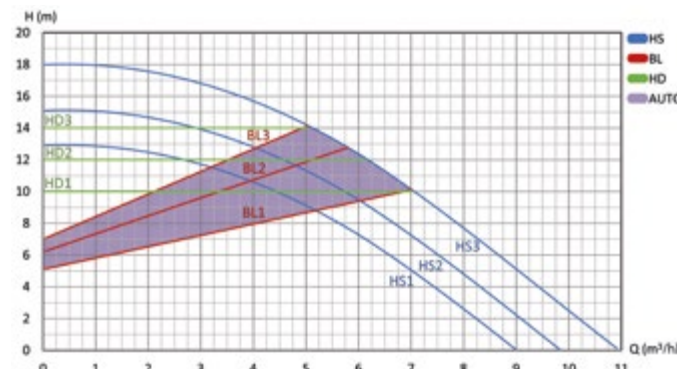
CIRCULATION PUMP
class A energy
Coefficient EEI < 0,23



PWM



Art. P078.8-



Art. P078 - High efficiency wet rotor AlfaPlus circulation pump certified with PWM, suitable for heat pumps, with front electronic equipment. For the insulating shell see art. P070 page 20 (F)

Complies with European Directive 200/125/EC. Flow rates and head as shown in the table. 2 year warranty. Height 180 mm. Power 350W.

Order code	Type	Max delivery mt	Connections Ø	Max flow m³/h.
P078.80	EAW 25/18	18	1 1/2"	11
P078.82	EAW 32/18	18	2"	11

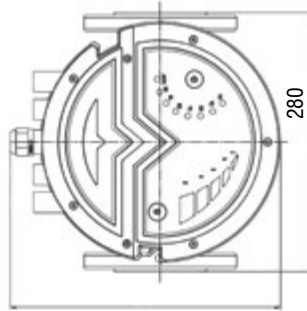
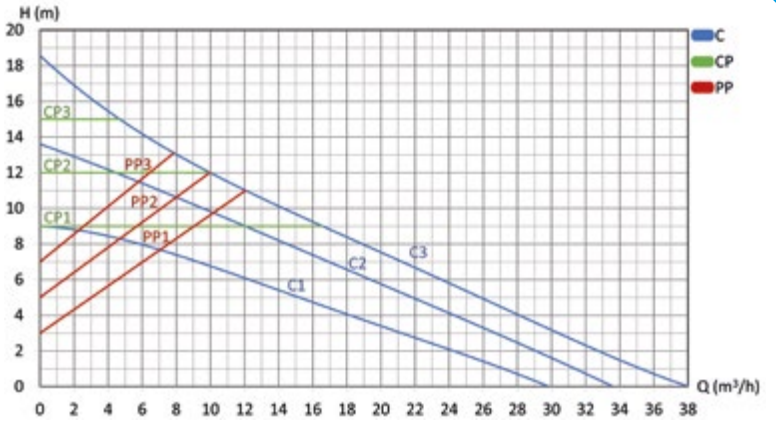
Alfa Mega large flow flanged series

18 mt.

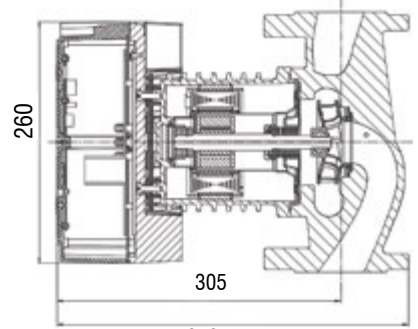


Art. P.080.50

→ 38 m³/h



291



378

Art. P.080.50 - ANTARES circulation pump type "AlfaMega" 50-18 flanged DN 50 with high energy efficiency wet rotor and with PWM control socket, single-phase 230 Vac with frequency modulation. Max flow rate: 38 m³/h. Max head: 18 m.

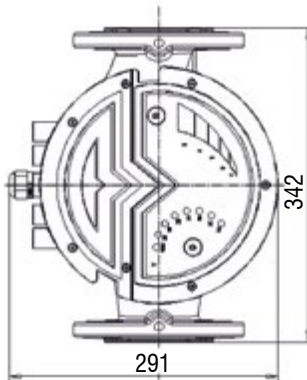
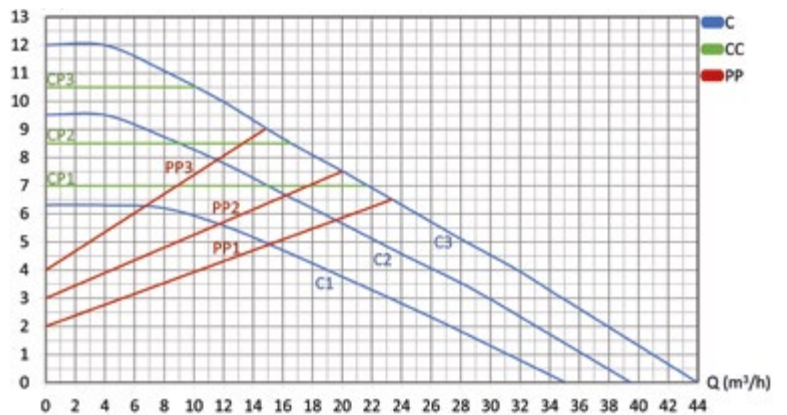
With AUTO ADAPT function, proportional pressure control, constant pressure control, constant flow control. Body in cast iron, IP42 protection

12 mt.

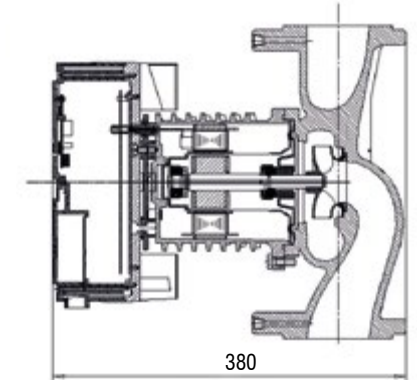


Art. P.083.65

→ 44 m³/h



291



380

Art. P.083.65 - ANTARES circulation pump type "AlfaMega" 65-12 flanged DN 65 with high energy efficiency and wet rotor and with PWM control socket. Single-phase 230 Vac with frequency modulation. Max flow rate: 44 m³/h - Max head: 12 m.

With AUTO ADAPT function, proportional pressure control, constant pressure control, constant flow control. Body cast iron. IP42 protection.

Circulators for solar systems

4-Year Warranty

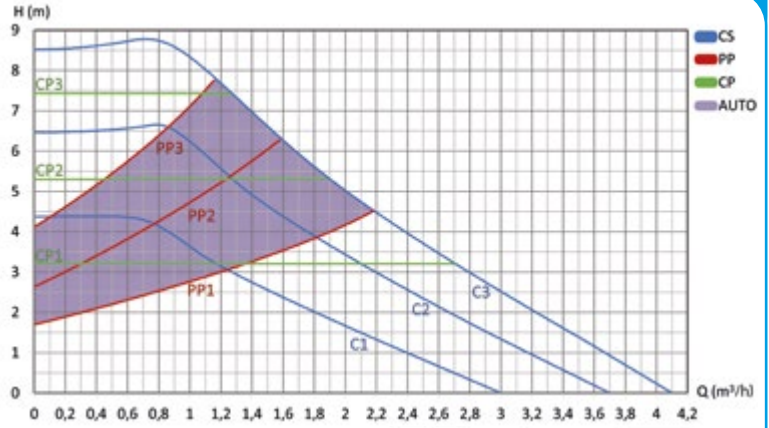
Ethylene Glycoles
Max 50%



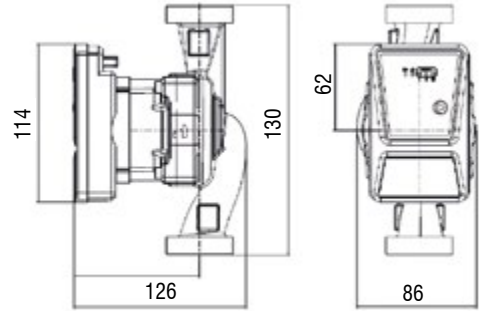
8 mt.



PWM1
0
PWM2



CIRCULATION PUMP
class A energy
Coefficient EEI <0.21



4,1 m³/h

Art. P023

Art. P023 - ANTARES circulation pump type MODULEX SOLAR with high energy efficiency with modulating inverter frequency and with parameterable control socket PWM2 or PWM1, equipped with the self-adjusting SELF ADAPT function with and without PWM cable connection. Specifically suitable for solar systems.

Max flow rate: m3/h 4.1. Self-regulating. Meets all your circulator needs in one product. Complete with gaskets, power cable and PWM socket cable. 230 Vac power supply. - 4 year warranty

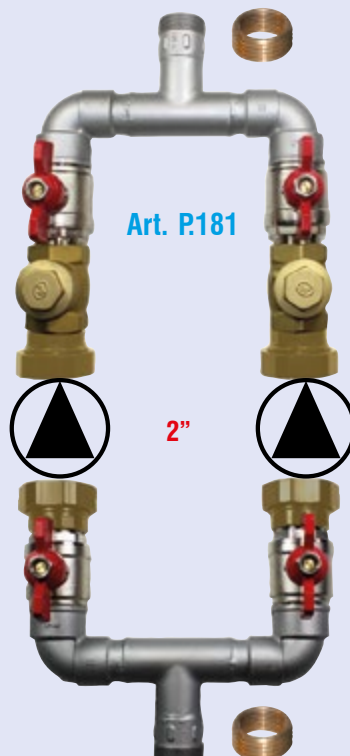
Order code	Type "Solar"	Max delivery	Height H	Connections Ø	W
P023.89	UPMS 15-80-130	8 mt.	130	1" M.	65
P023.80	UPMS 25-80-130	8 mt.	130	1 1/2" M.	65

Manifolds for coupling circulators



Art. P180

1 1/2"



Art. P181

2"

Art. P180 - Manifold for twin coupling circulators complete with 2 ball valves with control screwdriver adjustment for easy replacement without emptying the plant. With insulating shell.

Connections: system side 1 1/2" - pump side: 1 1/2" F. swivel.

Order code	Model
P180.12	Without check valve
P180.52	with check valve

Art. P181 - - Manifold for twin coupling of circulators complete with 2 ball valves with handle butterfly for easy replacement without emptying the plant. With insulating shell.

Connections: system side 1 1/2"- pump side: 2" Swivel F

Order code	Model
P181.20	Without check valve
P181.60	with check valve

Frequency conversion MODULEX type with PWM control and socket - EEI coefficient < 0.21

ANTICLOCKWISE ROTATION FOR GRUNDFOS and other brands

mm. (68)

PWM

PP
CP
CS
SA

4-year warranty

Art. P:121.80

Compatible and interchangeable with Grundfos UPM3 and other brands



- Old GRUNDFOS models and other brands
- UPM3 (all types with or without PWM controller)
 - UPM2 (all types with or without PWM controller)
 - ALFA2 (all types with or without PWM controller)

Art. P:121.80 - Universal replacement motor with impeller and conversion inverter high efficiency frequency for replacements on GRUNDFOS UPM domestic circulators and ALFA, ANTARES models and other brands with ANTICLOCKWISE rotation (CCW). With socket PWM control and equipped with SELF ADAPT, PP, CP, CS functions.

Self-adjusting with or without connecting the cable to the PWM controller. Self-adjusting, it meets all replacement needs with a single product. Wheelbase of fixing holes 68 mm - complete with gaskets and power cables. Prevalence max: 8 m. - 4 year warranty.



Old models Grundfos UPS xx xx xxx and other brands

CLOCKWISE ROTATION FOR WILO and others brands

mm. (69)

PWM

PP
CP
CS
SA

4-year warranty

Art. P:122.80

Compatible and interchangeable with: WILO



- PARA (all types with or without PWM controller)
- PICO (all types with or without PWM controller)
- YONOS (all types with or without PWM controller)

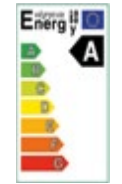
Art. P:122.80 - Universal replacement motor with impeller and frequency conversion inverter high efficiency for replacements on WILO domestic circulators and other brands with rotation HOURLY (CW). With PWM control socket and equipped with SELF ADAPT, PP, CP, CS functions. Self-regulating with or without connecting the cable to the PWM controller. - 4 year warranty.

Self-adjusting, it meets all replacement needs with a single product. Wheelbase of fixing holes 69 mm - complete with gaskets and power cables. Prevalence max 8 m. - 4 year warranty.

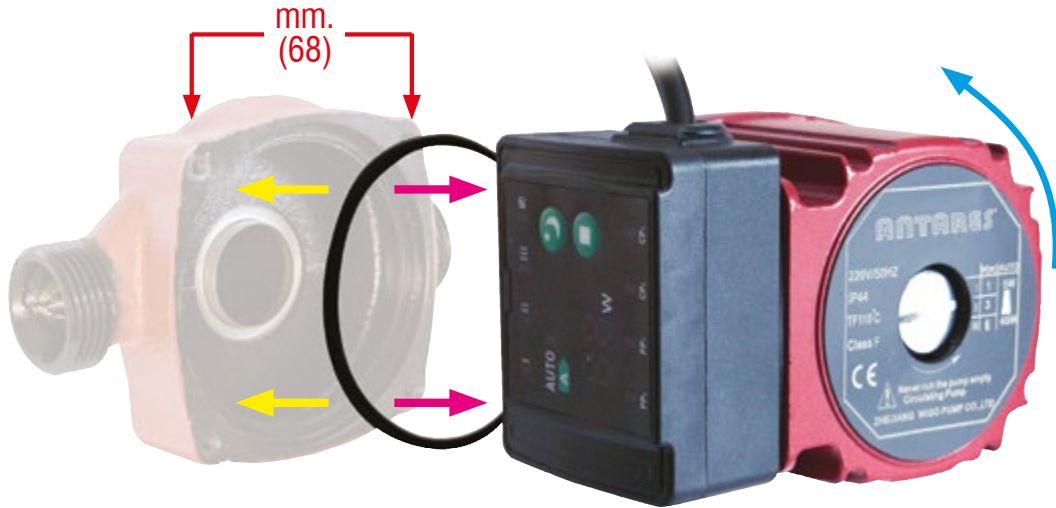


Old models Grundfos UP SRS xx / X and other brands

ANTICLOCKWISE ROTATION for GRUNDFOS and other brands



coefficient
EEI < 0,20



Art. P074

UNIVERSAL MOTORS WITH TURBINE: (distance between holes 68)

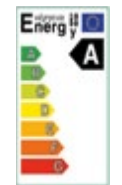
2 MODELS (ANTICLOCKWISE and CLOCKWISE) can be used in an interchangeable way on almost all the domestic circulation pumps available now on the market. The incorporated electronic inverter will automatically adjust the delivery with the system's requirements.

Art. P074 - Universal replacement motor in energy class "A", with impeller, for replacement on domestic circulators "GRUNDFOS", "ANTARES", and other brands. Complete with screws. Anticlockwise rotation.

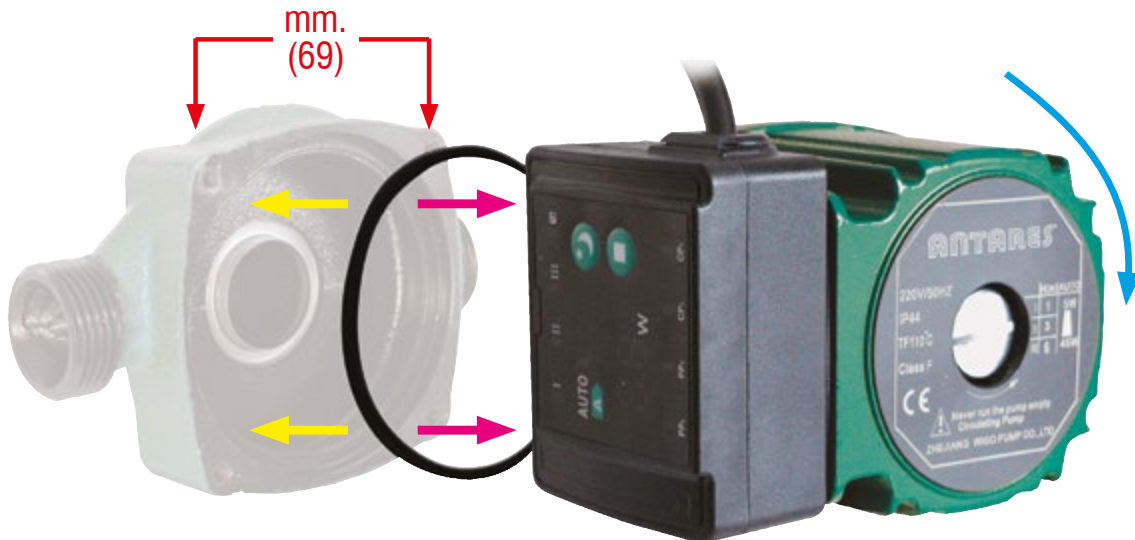
Fixing distance 68 mm. Complete with selectable speed variator, which allows you to obtain a head of 4, 5 and 6 m. 230 Vac.

Delivery mt	5	6
Order code	P074.50	P074.60

CLOCKWISE ROTATION FOR WILO and other brands



coefficient
EEI < 0,20



Art. P075

REPLACING THE ENGINE OFFERS MANY ADVANTAGES

- Greater speed and ease due to just replacing the motor.
- Less stock taking and less tied up money.

Art. P075 - Universal replacement motor in energy class "A", with impeller, for replacement on domestic circulators "WILO", "ANTARES", and other brands. Complete with screws. Clockwise rotation.

Fixing distance 69 mm. Complete with selectable speed variator, which allows you to obtain a head of 4, 5 and 6 metres. 230 Vac.

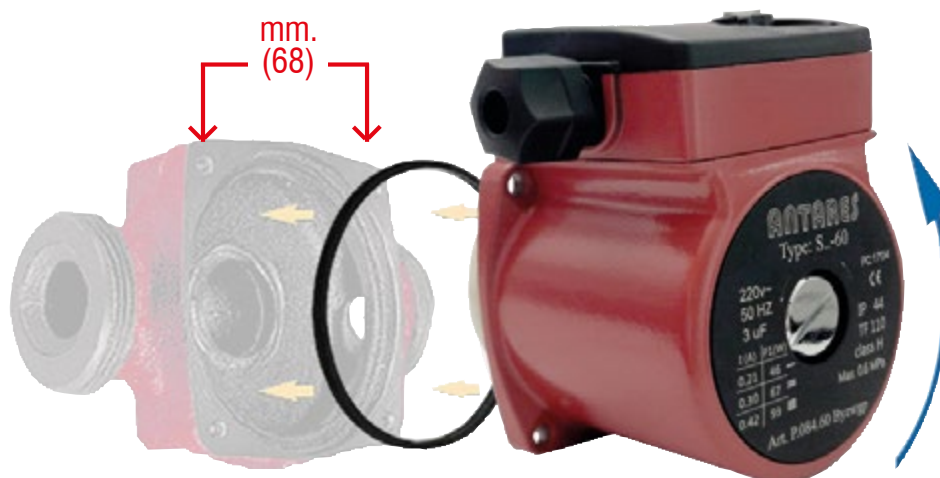
Delivery mt	5	6
Order code	P075.50	P075.60

Replacement universal motors with impeller for low efficiency domestic circulators

N.B.

These products are to be considered spare parts (components) of a circulator, so they can be installed why not they fall within the EuP 2016 regulation, which refers to complete circulators and not to spare parts of old circulators

ANTICLOCKWISE ROTATION FOR GRUNDFOS and other brands



Art. P.084



UNIVERSAL MOTORS WITH TURBINE: (holes distance 68)

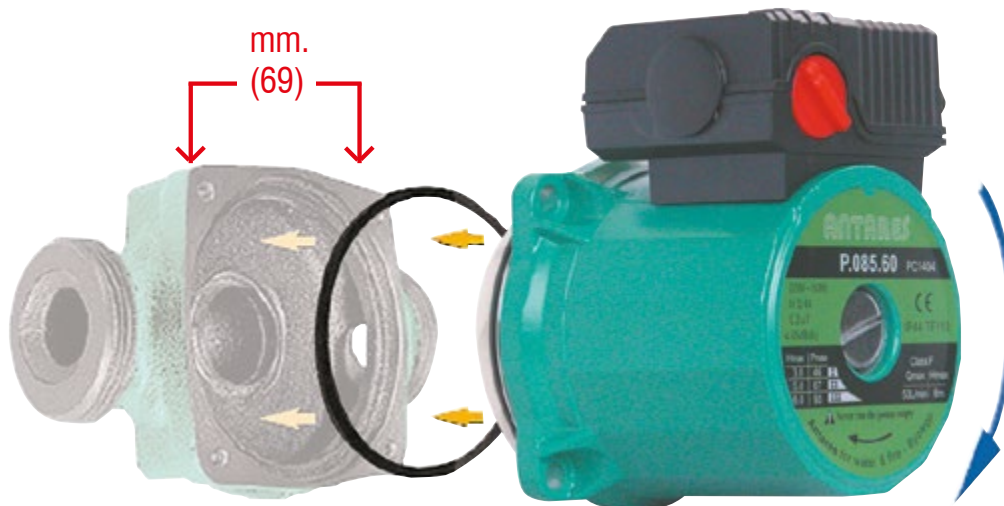
2 MODELS (ANTICLOCKWISE and CLOCKWISE) which allow interchangeability on almost all domestic circulators on the market. The speed selector allows you to adapt the head to the needs of the system.

Art. P.084 - Universal replacement motor with impeller, for replacement on "GRUNDFOS", "MYSON", "ANTARES" domestic circulators and other brands, complete with screws. Anticlockwise rotation.

Fixing distance mm. 68. Complete with selectable speed variator which allows you to adapt the head to the needs of the system.

Max delivery	5 mt.	6 mt.
Order code	P084.50	P084.60

CLOCKWISE ROTATION FOR WILO and other brands



Art. P.085



REPLACING THE MOTOR OFFERS MANY ADVANTAGES:

- Greater speed and ease due to engine replacement alone.
- Less stock taking and less tied up money.

Art. P.085 - Universal replacement motor with impeller, for replacement on domestic circulators "WILO", "WSC" and other brands, complete with screws. Clockwise rotation.

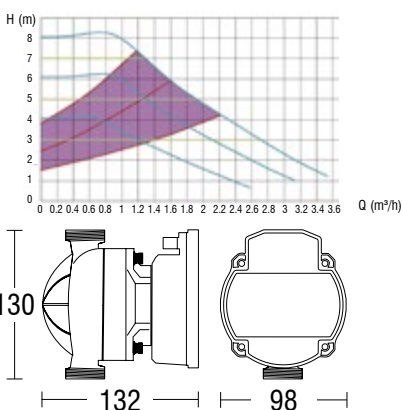
Fixing distance mm. 69. Complete with selectable speed variator which allows you to adapt the head to the needs of the system.

Max delivery	5 mt.	6 mt.
Order code	P085.50	P085.60

Recirculation pumps for domestic water



Art. P061.80



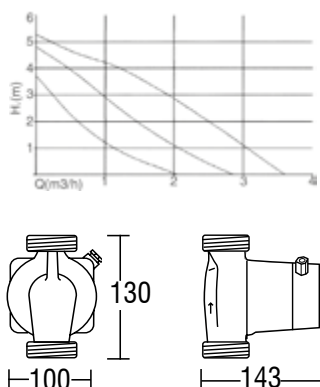
Art. P061.80 - Recirculation pump ANTARES MODULEX H for hot water highly energy efficient sanitary ware 230 V. Anticlockwise rotation (CCW). Body made of plastic. Technical characteristics e performance as Art. P110.xy

Connection 1" M. Height of connections: 130.

Body bronze



Art. P090.00



Art. P090.00 - Recirculation pump ANTARES ACS for domestic hot water, with bronze body. - 230 V - 50 Hz - 2 years warranty.

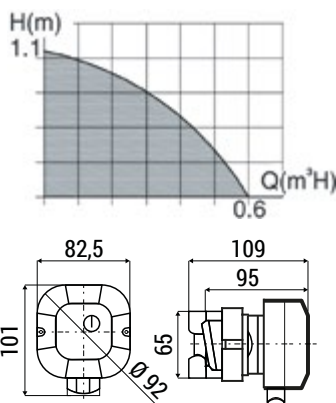
Connections: 1 1/2" M. - 96 W.
Maximum pressure: 10 bar.



Body in stainless steel



Art. P093.02



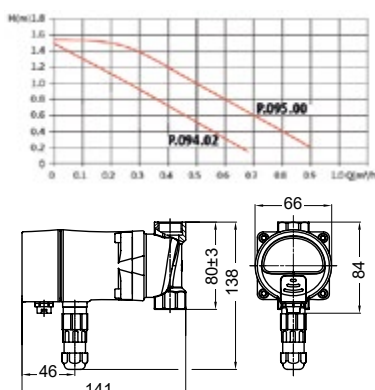
Art. P093.02 - Recirculation pump ANTARES HOT CIRCLE for hot water high energy efficiency sanitary ware W= 9 - 230 V. - 50 Hz. Stainless steel body.

Connections: 1/2" F. - Maximum pressure 10 bar Head: 1.1 m. Flow rate: 10 litres/min. - 2 Years warranty.

2-year warranty



Art. P094.02



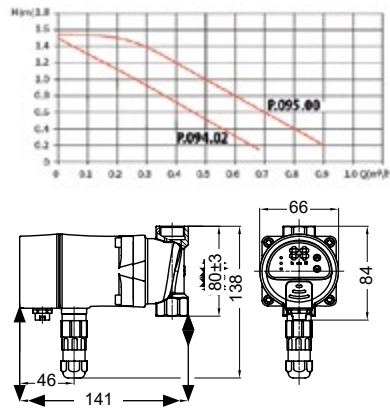
Art. P094.02 - Recirculation pump for domestic hot water ANTARES type HOTMATIC 15-1.5 high efficiency energetic with brass body. Consumption: 5 W - 230 Vac. - 2 year warranty.

Connections: 1/2" F. F. - Complete with shell insulating. With temperature sensor. Flow rate: 0.9 m³/h - Head 1.5 m.

2-year warranty



Art. P.095.00



Art. P.095.00 - Hot water recirculation pump sanitary ware ANTARES type HOTMATIC 15-1.5 high energy efficiency with brass body. Consumption: 8 W - 230 Vac. - 2 year warranty.

- Connections: 1/2" F. F. - Complete with insulating shell. With temperature sensor. Flow rate: 0.9 m³/h Head 1.5 m. With electronic control display with programming for:
- Operation at hourly intervals over 24 hours
- Operation with temperature control
- washing function to avoid the formation of bacterial colonies

Automatic boosting pressure booster pumps

2-year warranty

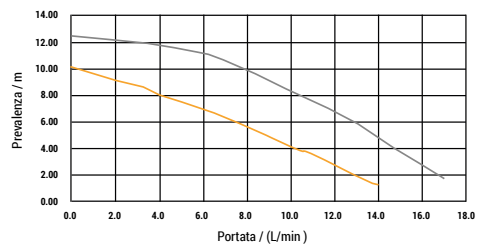
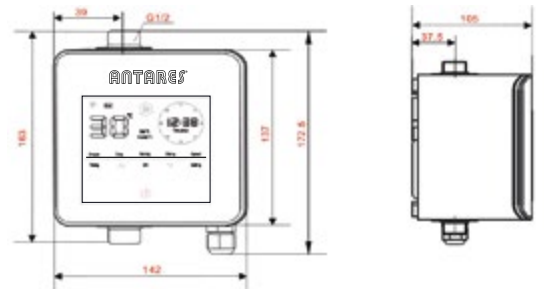


Art. P.202.02

Application:



Ideal for large showers



Art. P.202.02 - - Water pressure boosting pump for sanitary water - 18 l/min.

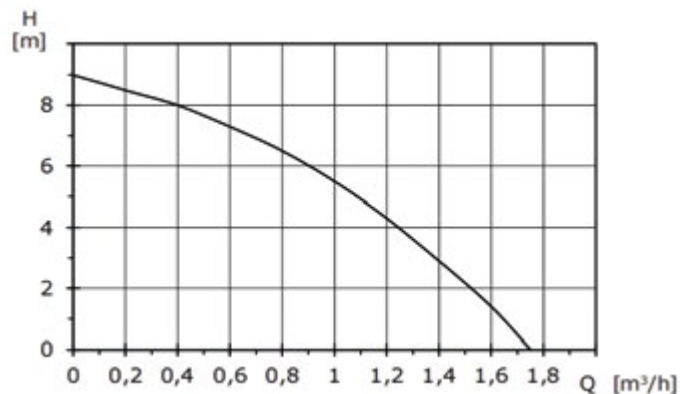
High pressure domestic water booster pump energy efficiency. Brass body. Connections: 1/2" M. - 1/2" M. 230 Vac - 18 litres. per minute - Head: 12 m.



2-year warranty



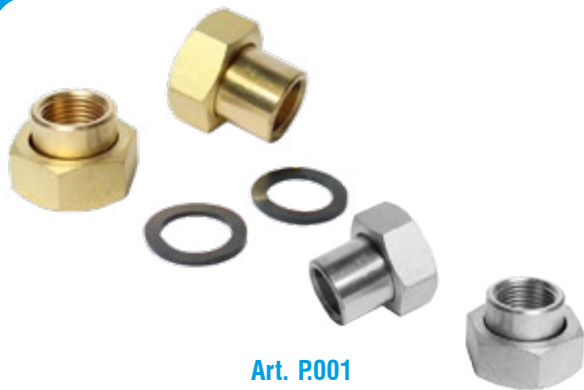
Art. P.204.03



Art. P.204.03 - ANTARES domestic water pressure boosting pump type BOOSTER PRESSION 15-9AB with body in brass. - 2 year warranty.

3/4" connections, complete with brass unions. Length from socket to socket: 160 mm. With check valve and flow switch integrated, which allows automatic start and stop. Power: 120 W - 230 Vac. Head: 9 m. - Flow rate: 1.78 m³/h. Designed to increase the pressure of domestic water supplied from an external source and make it available for showers, taps and other withdrawal points.

Joint fittings for circulators



Art. P001

Art. P001 - Pair of unions for circulators, composed of swivels, tails and gaskets.

Swivel F.	1" F.	1" F.	1 1/2" F.	1 1/2" F.	1 1/2" F.	2" F.
Spigot	1/2" F.	3/4" M.	1" M.	1" F.	1 1/4" M.	1 1/4" F.
Material	Brass	Brass	Brass	Steel	Steel	Steel
Order code	P001.52	P001.54	P001.11	P001.10	P001.14	P001.24



Art. P002

Art. P002 - Brass union with insertion non-return valve in nylon that can be positioned in both directions and gasket.

To guarantee a single direction of flow to prevent possible contamination. Complete with gasket

Nut	3/4" F.	1" F.	1 1/4" F.	1 1/2" F.	1 1/2" F.
Spigot	1/2" M.	3/4" M.	1" M.	1" M.	1 1/4" M.
Order code	P002.02	P002.03	P002.30	P002.10	P002.14



Art. P003

Art. P003 - Internally inserted plastic check valve, equipped of stainless steel spring with circular seal with O-ring.

Diameter Ø	10 mm.	15 mm.	20 mm.	25 mm.	32 mm.
Order code	P003.10	P003.15	P003.20	P003.25	P003.32

Circulators with plastic bodies for customized boilers

BODY IN PLASTIC COMPOUND H 130 Ø 1"

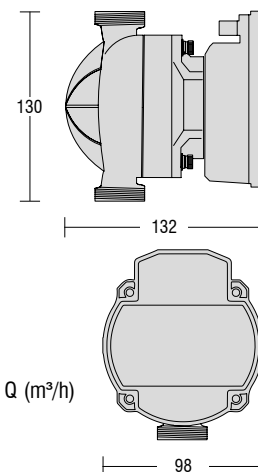
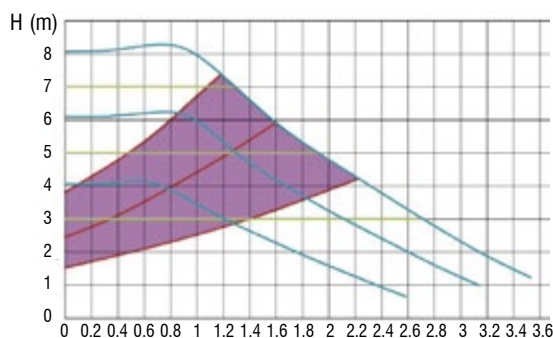


8 mt.



Art. P061.80

3,3 m³/h



Art. P061.80 - Antares circulation pump type Modulex Hybrid with High efficiency, wet rotor frequency modulated inverter. With PWM control socket, equipped with SELF ADAPT function, self-adjusting with or without connecting the cable to the PWM controller - Plastic body

Max flow rate: m3/h 3.3. Self-regulating. Meets all your needs circulator in a single product. Connections: 1" M. - Height of connections: 130. -230 Vac- Complete with connection cables. Technical features and services as Art. P110.

HOW TO PLACE AN ORDER

ON-LINE SHOP

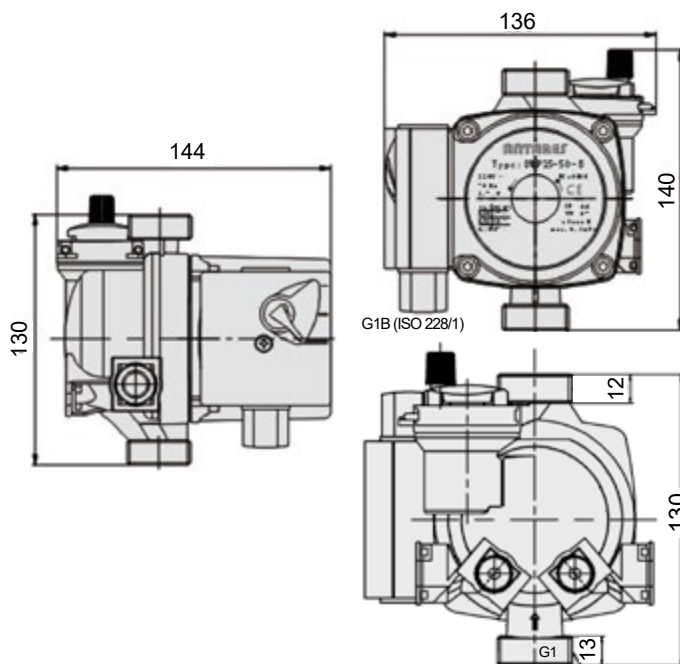
On our e-commerce website
www.antaresint.com



Not modulating



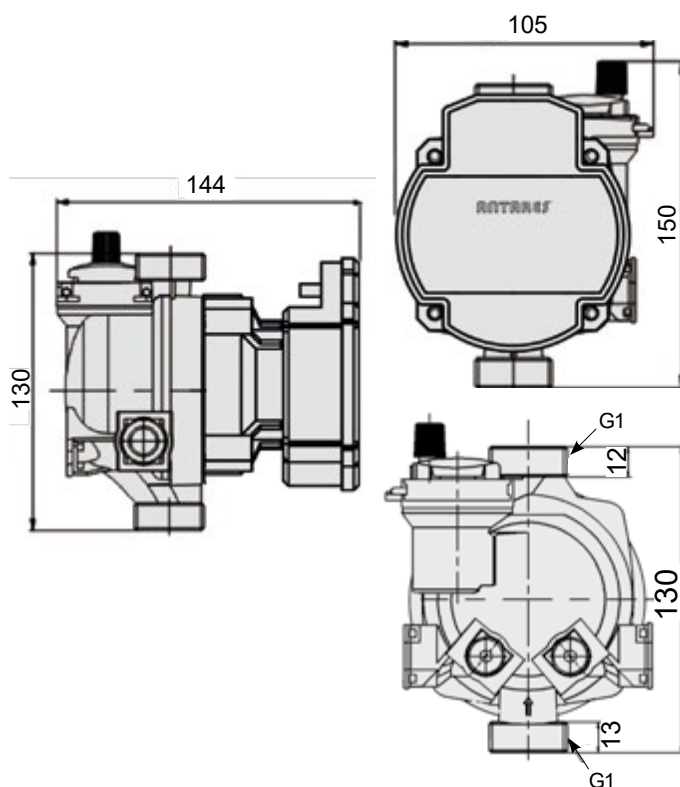
Art. P062.63



Modulating with PWM control



Art. P062.98



Art. P062 - Antares circulation pump with air separator and automatic deaerator. Plastic composite body. Compatible with Wilo type Ku and GRUNDFOS type Cacao.

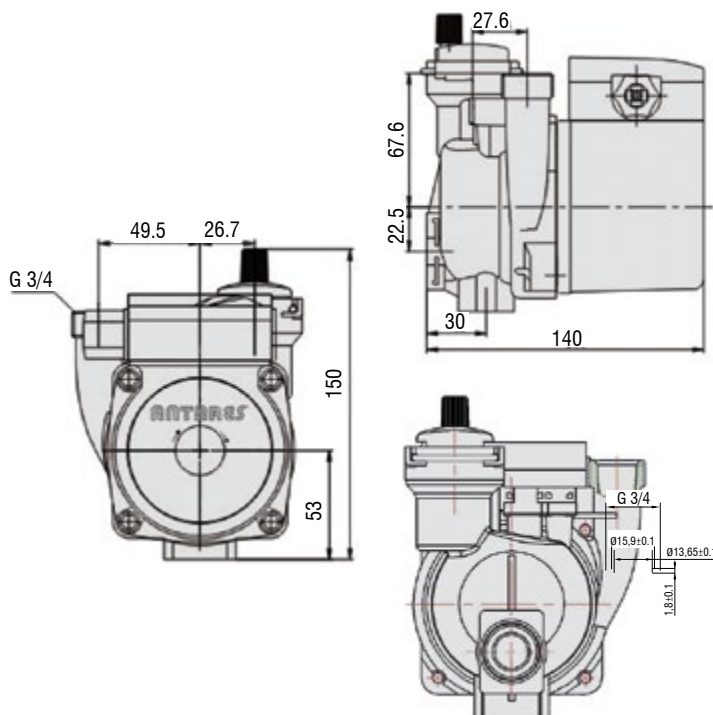
Connections: 1" M. - Connection height: 130. - 230 V - 50 Hz - Complete with cables for modulating models.

Order code	Type	Max delivery mt
P062.98	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P062.63	Not modulating - EEI > 0,20	6

Not modulating



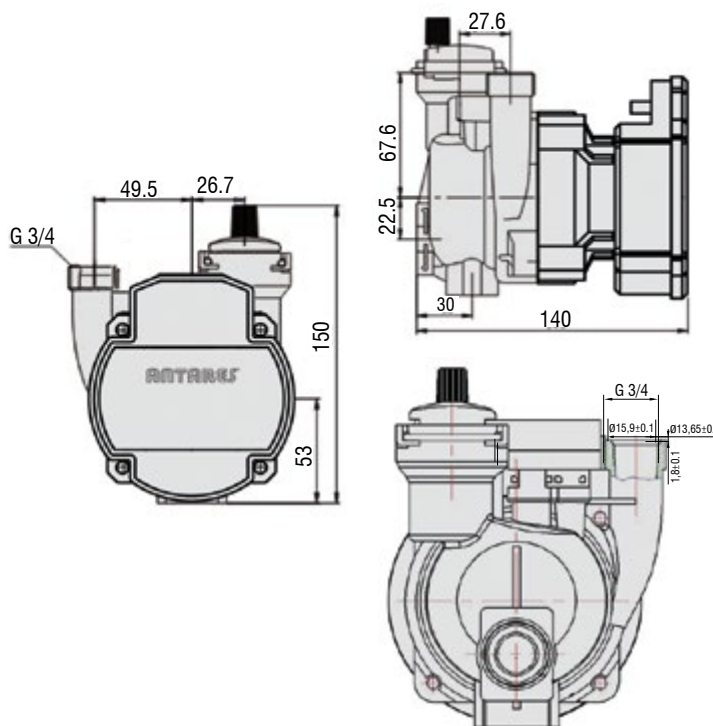
Art. P030.60



Modulating with PWM control



Art. P030.90



Art. P030 - Antares circulation pump with air separator and automatic deaerator. Plastic composite body. Wilo and Grundfos compatible.

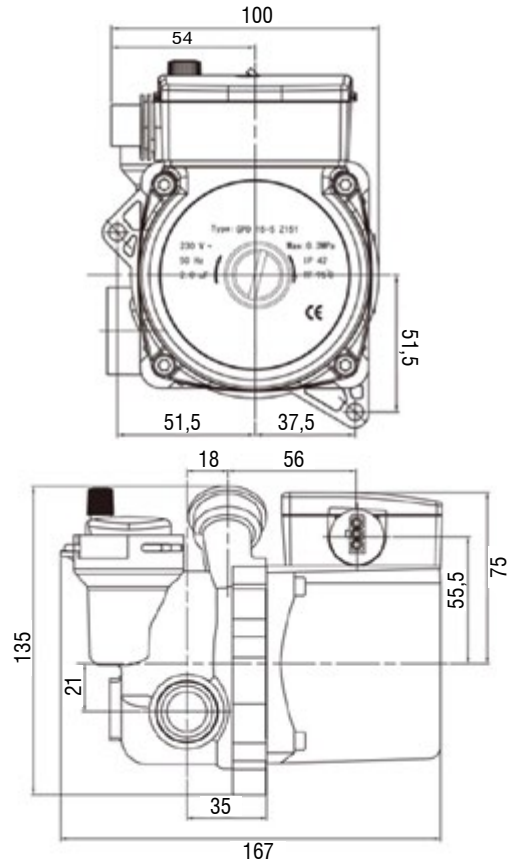
For performance curves see Art. P.110. 230 V 50 Hz - Complete with cables for the modulating model.

Order code	Type	Max delivery mt
P030.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P030.60	Not modulating - EEI > 0,20	6

Not modulating



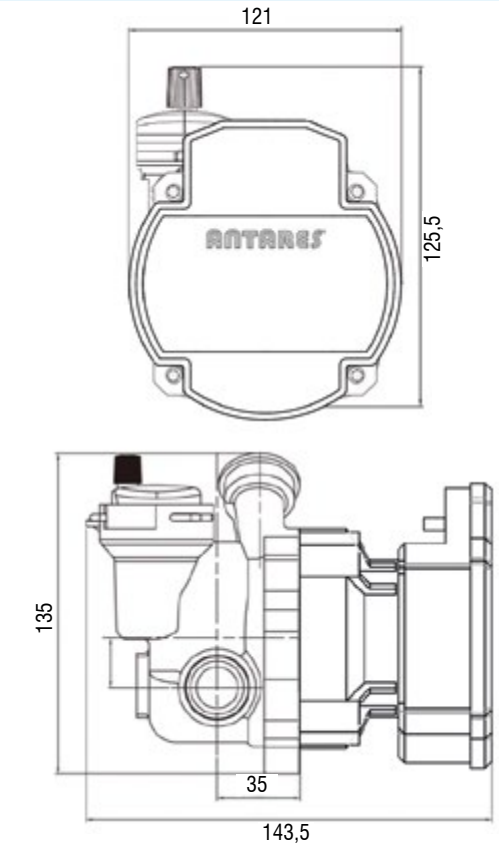
Art. P031.60



Modulating with PWM control



Art. P031.90



Art. P031 - Antares circulation pump with air separator and automatic deaerator. Plastic composite body. Compatible Saunier Duval, Ariston MTS, Chaffoteaux, Wilo MTSL, TACO.

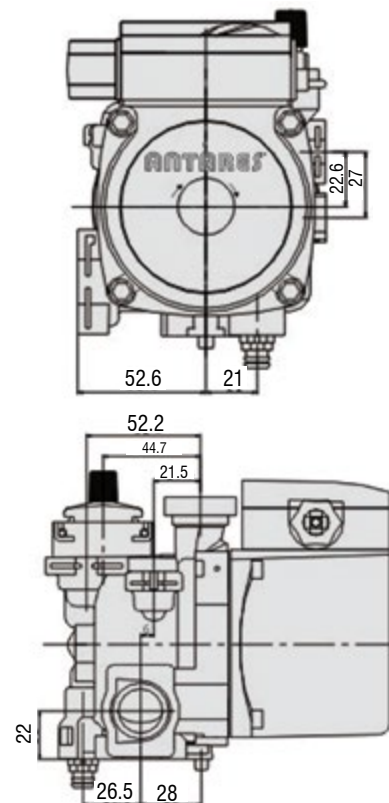
For performance curves see Art. P110.xx 230 Vac - Complete with cables for the modulating model.

Order code	Type	Max delivery mt
P031.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P031.60	Not modulating - EEI > 0,20	6

Not modulating



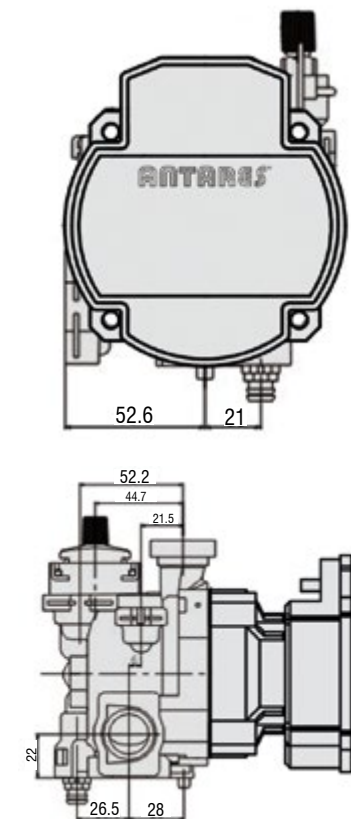
Art. P032.60



Modulating with PWM control



Art. P032.90



Art. P032 - Circulator with plastic composite body with built-in automatic deaerator.

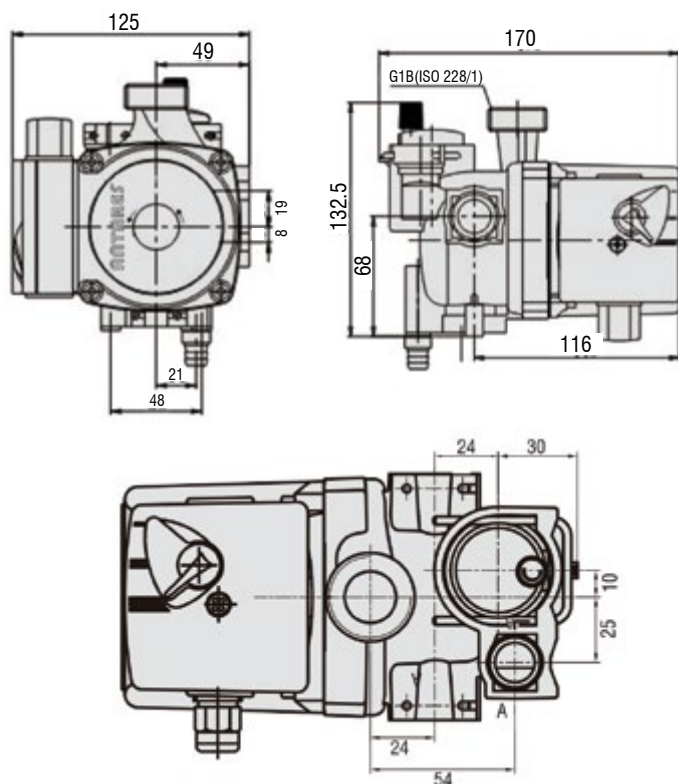
For performance curves see Art. P.110. 230 V 50 Hz - Complete with cables for the modulating model.

Order code	Type	Max delivery mt
P032.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P032.60	Not modulating - EEI > 0,20	6

Not modulating



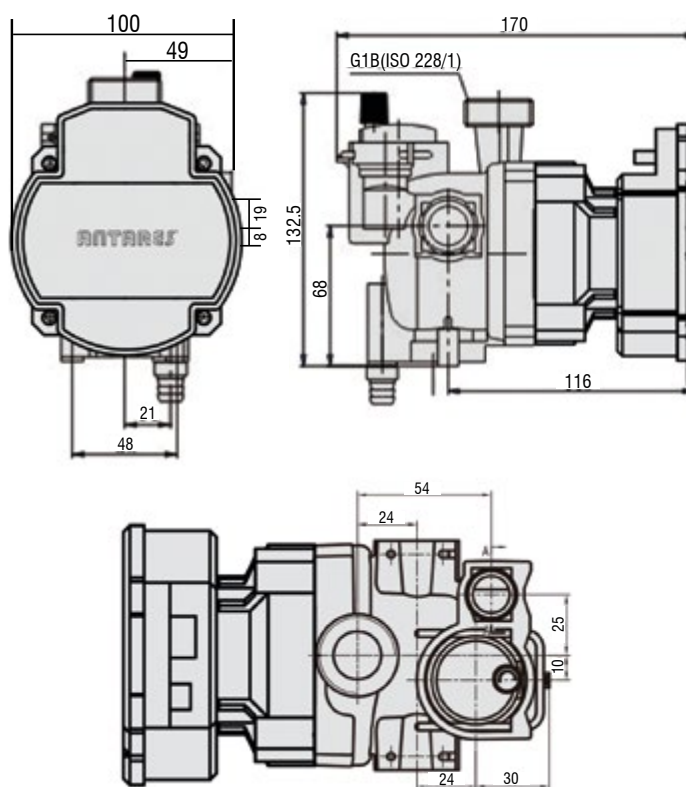
Art. P034.60



Modulating with PWM control



Art. P034.90



Art. P034 - Circulator with plastic composite body with built-in automatic deaerator.

For performance curves see Art. P110. 230 V 50 Hz - Complete with cables for the modulating model.

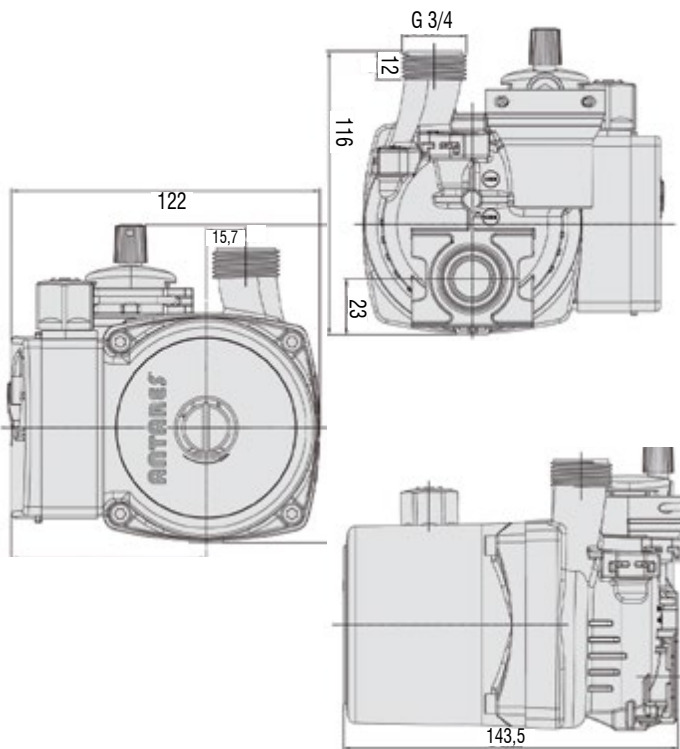
Order code	Type	Max delivery mt
P034.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P034.60	Not modulating - EEI > 0,20	6

Compatible: GRUNDFOS CESAO 2 - JUNKERS BOSCH - DE DIETRICH and others.

Not modulating



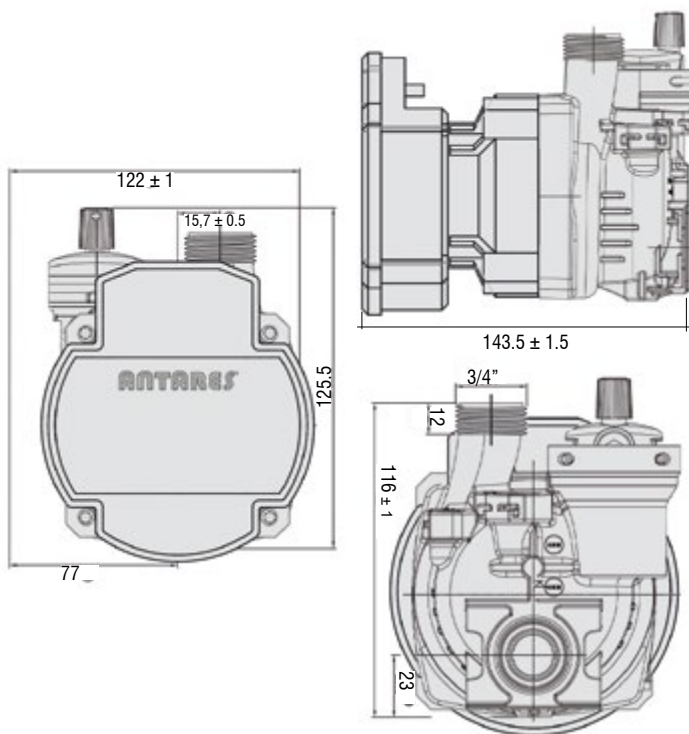
Art. P036.00



Modulating with PWM control



Art. P036.90



Art. P036 - Circulator with plastic composite body with built-in automatic deaerator.

For performance curves see Art. P110. 230 V 50 Hz - Complete with cables for the modulating model.

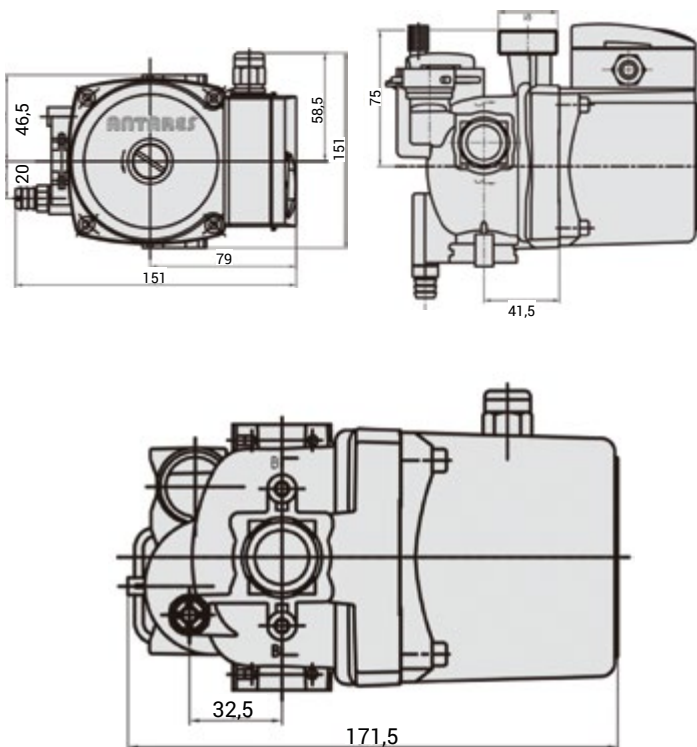
Order code	Type	Max delivery mt
P036.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P036.00	Not modulating - EEI > 0,20	6

Compatible: GRUNDFOS AOKR - WILO KSL - SIME and others

Not modulating



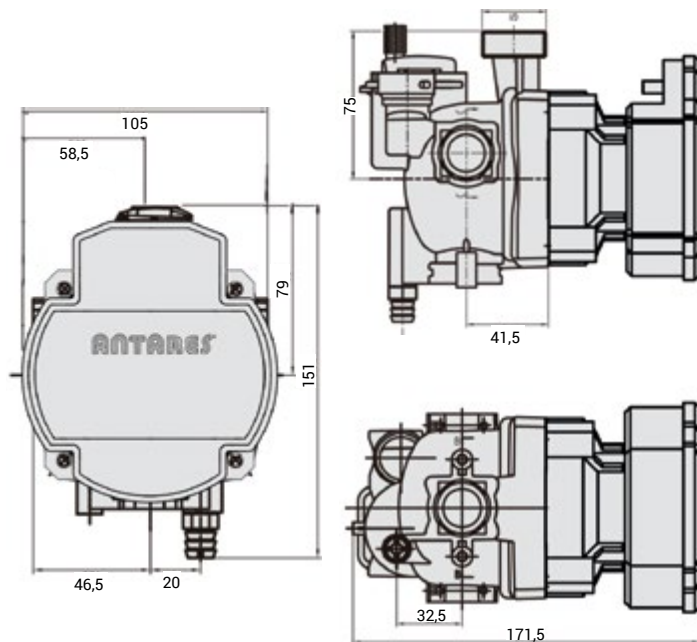
Art. P.039.00



Modulating with PWM control



Art. P.039.90



Art. P.039 - Antares circulation pump with air separator and automatic deaerator. Plastic composite body. Wilo KSL and Grundfos compatible

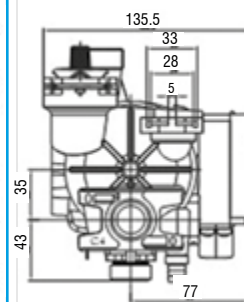
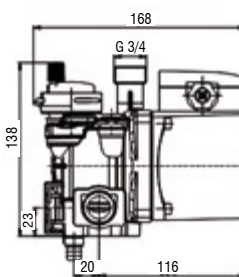
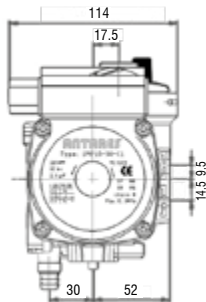
For performance curves see Art. P.110. 230 V 50 Hz - Complete with cables for the modulating model.

Order code	Type	Max delivery mt
P.039.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P.039.00	Not modulating - EEI > 0,20	6

Compatible: ARCA Boilers and others



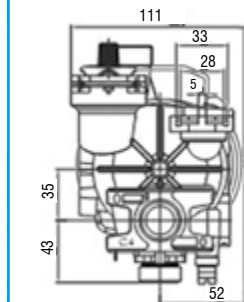
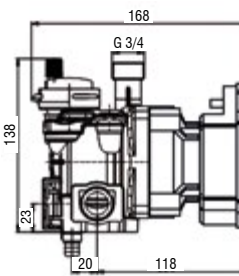
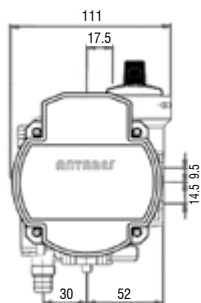
Art. P.040.00



Not modulating



Art. P.040.90



Modulating with PWM control

Art. P.040 - - Circulator with plastic composite body with built-in automatic deaerator.

For performance curves see Art. P.110. 230 V 50 Hz - Complete with cables for the modulating model.

Order code	Type	Max delivery mt
P.040.90	Modulating - EEI < 0,20	8 self-regulating with PWM socket
P.040.00 - <i>Until stocks last</i>	Not modulating - EEI > 0,20	6

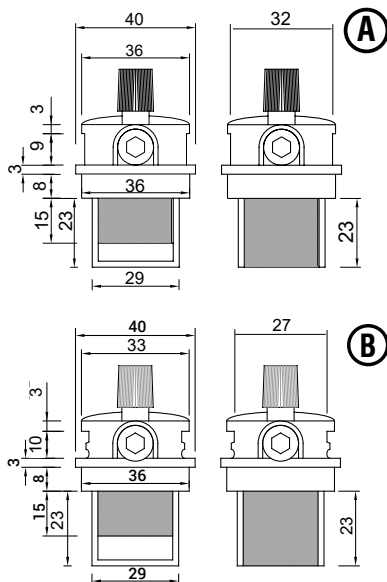
Accessories and spares for circulators

Heads for incorporated desareators

COMPATIBLE
CALEFFI
e GRUNDFOS



Art. P.088



COMPATIBLE
WILO
GRUNDFOS
CALEFFI



Art. P.089.03

Art. P.089.03 - TBrass head for automatic vent valve spare parts for CALEFFI - ANTARES type deaerators and others.

Art. P.088 - Head for automatic vent valve, replacement for deaerators fitted on circulators.

Order code	Drawing	Type
P.088.00	A	CALEFFI - GRUNDFOS - WILO
P.088.01	B	SHINHOO e altri

**FOR CODES NOT PRESENT OR PRODUCTS NOT FOUND,
CONTACT US**



uk@antaresint.com

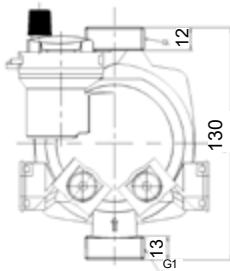
01227 458684



Bodies for circulators



Art. P.151.68



Art. P.151.68 - Replacement plastic composite body for circulator with automatic deaerator. Height: 130 mm - 1" M connections.

Compatible for anti-clockwise rotation with GRUNDFOS Cocoa type models. Coupled to motors with impeller art. P.084.xx, P.074.xx or P.121.80 can constitute a complete circulator. Distance between fixing holes 68 mm. Complete with 2 gaskets for the fittings.

Art. P.153 - Spare cast iron body for rotation circulator counterclockwise (CCW).

Compatible GRUNDFOS, ANTARES, and other brands with hole spacing fixing length of 68 mm. Coupled to motors with impeller Art. P.084.xx, P.074.xx, P.121.80 can constitute a complete circulator. Complete with 2 gaskets for fittings.

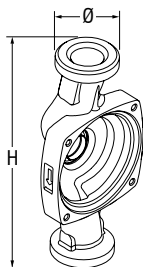
Order code	Ø	H
P.153.10	1"	130
P.153.12	1 1/2"	130
P.153.20	1 1/2"	180

Art. P.155.08 - Kit for coupling the circulator body (P.151. xx and P.153. xx) on the engine

Consisting of 1 NBR rubber gasket and 4 fixing bolts.



Art. P.153



Art. P.155.08

Circulator connector adapters



Art. P.160.01



Art. P.161.01



Art. P.163.01

Art. P.160.01 - GRUNDFOS power cable plug adapter for MODULEX circulator socket Art. P.110.

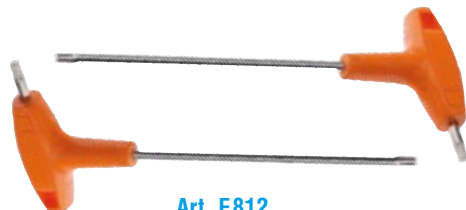
Art. P.161.01 - WILO power cable plug adapter for socket of the MODULEX circulator Art. P.110

Art. P.163.01 - PWM controller cable plug adapter GRUNDFOS for MODULEX circulator socket Art. P.110.

Art. P.164.01 - WILO PWM controller cable plug adapter for MODULEX circulator socket Art. P.110.



Art. P.164.01



Art. F.812

Art. F.812 - Hexagonal key with "T" handle.

For easy replacement of circulation pump motors

Order code	Dimension mm.
F.812.05	4
F.812.06	5

Adapters for diameter and height

Height 130 to 180 mm



Art. P.004.12

Height 130 to 180 mm
From 1" to 1 1/4" M.
From 1" to 1 1/2" M.



Art. P.005

Art. P.004.12 - Brass extension 1 1/2" M.F to adapt the height of the 130 mm circulator. at 180 mm.

Art. P.005 - Pair of oversize ring fittings thread for replacing circulators that have longer fittings small, complete with gaskets

Order code	Maggiorazione e Ø
P.005.48	Da 1" M. a 1 1/4" M.
P.005.18	Da 1" M. a 1 1/2" M.

Art. P.008 - Pair of oversize ring fittings thread for replacing circulators that have longer fittings small, complete with gaskets

Diameter Ø	1 1/4" M. x 1" F	1 1/2" M. x 1" F	1 1/2" M. x 1 1/4" F	2" M. x 1" F	2" M. x 1 1/2" F
Order code	P.008.14	P.008.12	P.008.24	P.008.21	P.008.20



Art. P.008



Insulating shells for circulators



Art. P.070

Art. P.070 - Insulating shell in black polystyrene for thermal insulation of circulator bodies.

Order code	H	Suitable for series
P.070.13	130	P.110 - P.023 - P.065
P.070.24	130	P.064
P.070.18	180	P.110
P.070.28	180	P.064
P.070.20	180	P.066 - P.076
P.070.30	180	P.078

Valves and accessories for circulators



Art. E.430

Art. E.430 - Brass ball valve with pump connection, with screwdriver adjustment.

Connections Ø	1 1/2" F. swivel x 1" M.	1 1/2" F. swivel x 1" F.	1 1/2" F. swivel for copper pipe Ø 22	1 1/2" F. swivel for copper pipe Ø 28
Order code	E.430.10	E.430.00	E.430.22	E.430.28



Art. E.432

Art. E.432 - Brass ball valve with pump connection.

Butterfly Lever Handle - 1" Fixed Female to 1 1/2" F Swivel Female. Max pressure: 20 bar

Type	Without check valve	With check valve
Art. cod.	E.432.10	E.432.90



Art. E.437

Art. E.437 - Monobloc ball valve with pump connection, with door handle colored thermometer. Max pressure: 10 bar. Thermometer scale 0°C ÷ 120°C.

Order code	Connections Ø	Handle colour	Model with
E.437.10	1" F. x 1/2" F. swivel	Blue	check valve
E.437.12	1" F. x 1/2" F. swivel	Red	-
E.437.20	1 1/4" F. x 2" F. swivel	Blue	check valve
E.437.22	1 1/4" F. x 2" F. swivel	Red	-



Art. E.478

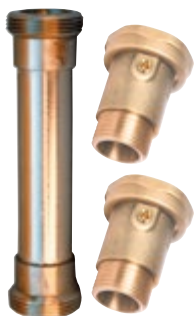
Art. E.478 - Ball valve with 1 1/2" F. union connection with "ISO T" handle extended to "T" shape suitable for systems with insulation thermal. In nickel-plated brass CW617 UNI EN 12165. Color of the handle determined by two red and blue plates supplied.

Prepared for the thermometer

Type	Without check valve		With check valve	
Connection	1" F.-1 1/2" F. swivel	1 1/4" F.-1 1/2" F. swivel	1" F.-1 1/2" F. swivel	1 1/4" F.-1 1/2" F. swivel
Order code	E.478.10	E.478.14	E.478.90	E.478.94

With thermometer included, red color

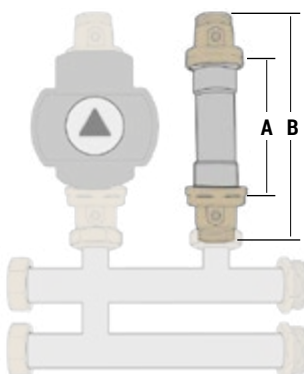
Type	Without check valve		With check valve	
Connection	1" F.-1 1/2" F. swivel	1 1/4" F.-1 1/2" F. swivel	1" F.-1 1/2" F. swivel	1 1/4" F.-1 1/2" F. swivel
Order code	E.478.50	E.478.54	E.478.80	E.478.84



Art. E.606



installation example E.606



Art. E.606 - Module composed of 2 ball valves with a 1" M. x 1 1/2" F. swivel screwdriver, complete with 4 gaskets and a 1 1/2" M. x 1 1/2" M. hose to compensate for the distance of the pump.

height "A" mm.	130	180	
height "B" mm.	210	260	
Model	Without pocket	Without pocket	With n° 2 incorporated sheaths for probes of temperature: 1 with Ø int. 10 for thermal probe. 1 with Ø int. 7 for safety thermostat.
Order code	E.606.12	E.606.00	E.606.18



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