

UPA Home Booster

UPA 15-90, UPA 15-120, UPA 120, UPA 15-160

50/60 Hz



1. Product introduction	3	12. Document quality feedback.	23
Applications	3		
Features and benefits	3		
Pumped liquids	3		
Identification	3		
Operating conditions	3		
2. Performance range	4		
3. Construction.	5		
Characteristic materials	5		
Motor	5		
Rotor can	5		
Shaft with rotor	5		
Thrust bearing	5		
Bearing plate	5		
Impeller	5		
Pump housing	5		
4. Installation	6		
5. UPA 15-90	7		
Features and benefits	7		
Motor	7		
Technical data	7		
Construction of UPA 15-90	8		
Performance curves	9		
6. UPA 15-120	10		
Features and benefits	10		
Motor	10		
Technical data	10		
Construction of UPA 15-120	11		
Performance curves	12		
7. UPA 120	13		
Features and benefits	13		
Motor	13		
Technical data	13		
Construction of UPA 120	14		
Performance curves	15		
8. UPA 15-160	16		
Features and benefits	16		
Motor	16		
Technical data	16		
Construction of UPA 15-160	17		
Performance curves	18		
9. Product numbers	19		
10. Accessories	21		
11. Grundfos Product Center	22		

1. Product introduction

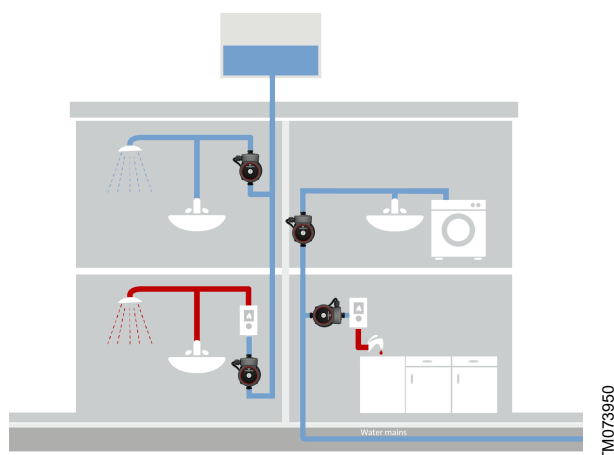
UPA booster pumps increase the pressure of domestic water to make the required pressure available at showers, taps and other tapping points. All UPA pumps are supplied with a cable with or without a plug.

An integrated or external flow switch starts or stops the pump when a tapping point is turned on or off. The external flow switch is placed after the pump outlet.

Integrated flow switch	External flow switch
UPA 15-90	UPA 15-160: flow switch supplied with the pump
UPA 15-120	UPA 120: flow switch available as an accessory

Applications

- UPA booster pumps are designed for pressure boosting of domestic water supplied from an external source in residential homes.
- UPA booster pumps are used in open systems and can also be connected directly to the water main.



Applications for UPA Home Booster

Features and benefits

- Flexibility:** Installation in existing systems.
- Comfort:** Low-noise operation.
- User friendliness:** Plug and play.
- Reliability:** Proven Grundfos quality.
- Energy-efficiency:** High-efficiency PM technology. UPA 15-160 consumes up to 87 % less electrical power than a conventional constant-speed booster.
- Corrosion-resistant:** Cataphoresis-coated pump housing.

Pumped liquids

UPA booster pumps are suitable for the these liquids:

- fresh water
- drinking water without chemical additives
- chlorinated drinking water.

UPA booster pumps are not suitable for the transfer of flammable liquids such as diesel oil and petrol.

Identification

Type key

Example: UP A 15 -90 N 230V 50Hz Schuko plug

Code	Explanation
UP	Circulator pump
A	Automatic start/stop
15	Type range
-90	Max. head [dm]
N	Pump housing: N, stainless steel
230 V	Voltage
50 Hz	Frequency
Schuko plug	Cable/plug type

Operating conditions

Temperature

Standard pumps	Max. [°C]	Min. [°C]
Liquid temperature	60 °C (TF 95)	2
Ambient temperature	40	2

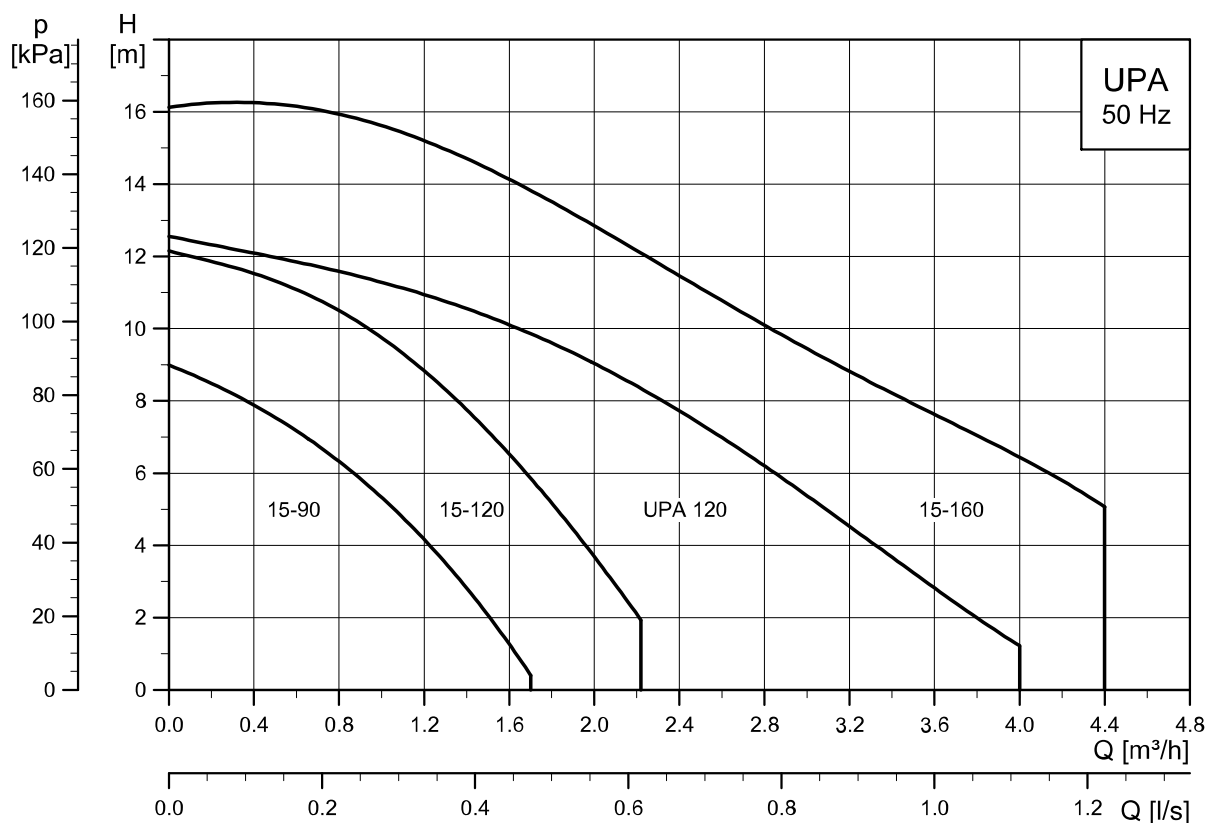
Operating pressure

Pump version	Max. operating pressure	
	[MPa]	[bar]
UPA 15-90	1.0	10
UPA 15-120	1.0	10
UPA 120	1.0	10
UPA 15-160	1.0	10

Inlet pressure

To avoid cavitation noise and risk of damage to the pump bearings, a minimum pressure of 2 m head (0.2 bar) is required at the pump inlet port during operation.

2. Performance range



Performance range UPA 15-90, UPA 15-120, UPA 120, UPA 15-160 (230 V, 50 Hz)

Test liquid: airless water at 20 °C. Kinematic viscosity of $\nu = 1 \text{ mm}^2/\text{s}$ (1 cSt). Head H and pressure p conversion at density of $\rho = 1000 \text{ kg/m}^3$. For liquids with other densities, for example hot water, the outlet pressure is proportional to the density.

3. Construction

UPA booster pumps for pressure boosting are of the canned-rotor type, that is pump and motor form an integral unit without shaft seal. Only two gaskets are required for sealing. The bearings are lubricated by the pumped liquid.

Characteristic materials

Component	Material
Shaft	Aluminium oxide or ceramic
Radial bearing	Ceramic
Thrust bearing	Carbon
Rotor can and bearing plate	Stainless steel
Impeller	Corrosion-resistant material
Pump housing	Cataphoresis-coated cast iron or stainless steel

Motor

UPA 15-90 and UPA 15-90 N

UPA 15-90 and 15-90 N pumps have a 2-pole, asynchronous, squirrel-cage motor. The motor has a built-in impedance protection and is short-circuit-proof. No external motor protection is required.

UPA 15-120 and UPA 120

UPA 15-120 and UPA 120 pumps have a 2-pole, asynchronous, squirrel-cage motor. The motor incorporates thermal overload protection. Therefore, no external motor protection is required.

UPA 15-160

UPA 15-160 high-efficiency boosters are fitted with a 4-pole synchronous permanent-magnet motor. The electronically commutated motor (ECM) has a permanent-magnet rotor and frequency converter.

They are energy-optimised due to improved hydraulics and motor efficiency. The pump controller is incorporated in the control box, which is fitted to the stator housing.

Rotor can

The rotor can is closed with a vent screw fitted directly at the top. The upper radial bearing is incorporated in the top of the rotor can.

Shaft with rotor

The rotor is secured to the shaft with a pipe and an elastic sleeve. The rotor is totally encapsulated in a stainless-steel cladding. To avoid precipitation of calcium in the radial bearings, the shaft has been plunge-ground at the bearing entries.

The shaft has a through-going hole to ensure perfect lubrication and cooling of the upper bearing.

To prevent system water under pressure from running out when the vent screw is removed, a non-return valve (rubber ball) is incorporated at the impeller end of the shaft.

The air in the rotor chamber escapes out into the system through the hole in the shaft.

Thrust bearing

The thrust bearing is secured to the shaft by a spherically flexible suspension.

Bearing plate

The lower radial bearing is pressed into the bearing plate. Due to the relatively large surface of the bearing plate, the motor heat is carried away from the rotor can by the pumped liquid.

Impeller

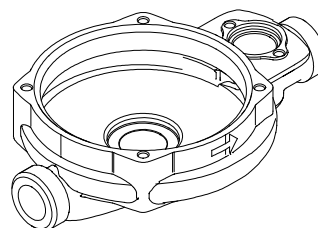
The impeller is a radial impeller with curved composite blades. It is secured to the shaft by a split cone.

Pump housing

UPA 15-90, UPA 15-120 (standard)

The standard pump housing of UPA 15-90 and UPA 15-120 has a bore for a flow switch, and hydraulics have been adapted to the larger impeller. A stainless-steel ring equalises the dimensional difference between stator housing and pump housing.

The standard pump housing is made of cataphoresiscoated cast iron.



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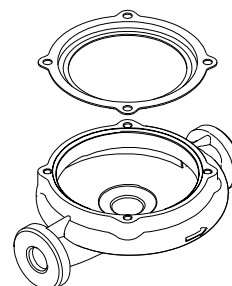
UPA 15-90 and UPA 15-120 standard pump housing

UPA 15-90, UPA 15-160 (stainless steel)

The pump housing of UPA 15-90 N and UPA 15-160 N is made of stainless-steel.

UPA 120 (standard)

The standard pump housing of UPA 120 is made of cataphoresis-coated cast iron.



TM021327

UPA 120 and UPA 16-160 standard pump housing

4. Installation

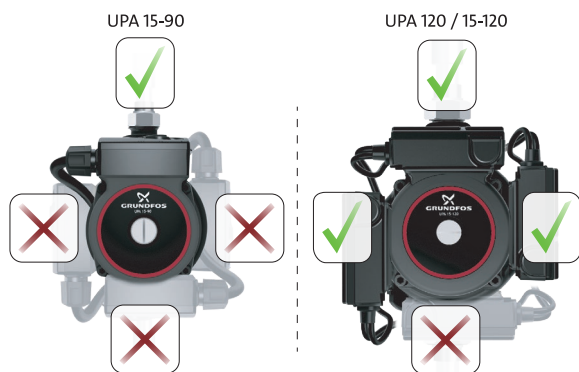
The UPA pump must always be installed with horizontal motor shaft.

For pumps with external flow switch, the mounting position is limited by the length of the cable between the external flow switch and the terminal box.

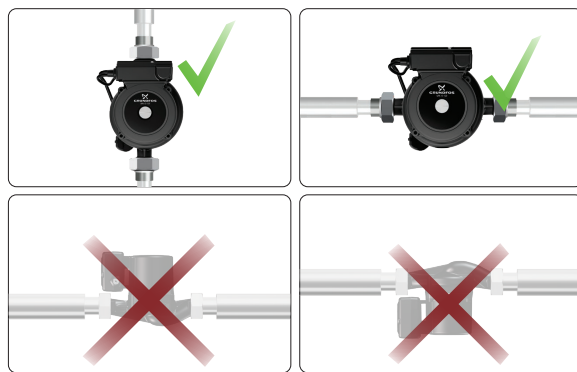
The external flow switch is supplied with UPA 15-160 and available as an accessory for UPA 120.

As the pumps have drain holes, the terminal box must not face downwards.

UPA 15-90/120/15-120

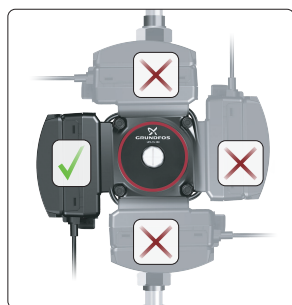


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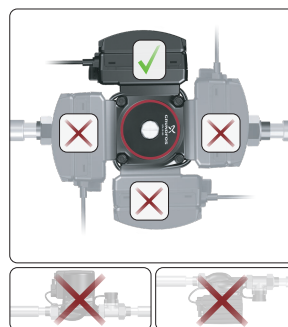


TM087123

UPA 15-160



TM087125



TM087124

5. UPA 15-90



GR-104152

UPA booster pumps increase the pressure of domestic water to make the required pressure available at showers, taps and other tapping points.

UPA booster pumps are designed for pressure boosting of domestic water supplied from an external source in residential homes. UPA booster pumps are used in open systems and can also be connected directly to the water main.

The integrated flow switch starts or stops the pump when a tapping point is turned on or off.

Features and benefits

- **Flexibility:** Suitable for installation in existing systems.
- **Comfort:** Low-noise operation.
- **User friendliness:** Plug and play.
- **Reliability:** Proven Grundfos quality.
- **Energy-efficiency:** High-efficiency PM technology.
- **Corrosion-resistant:** Cataphoresis-coated pump housing.

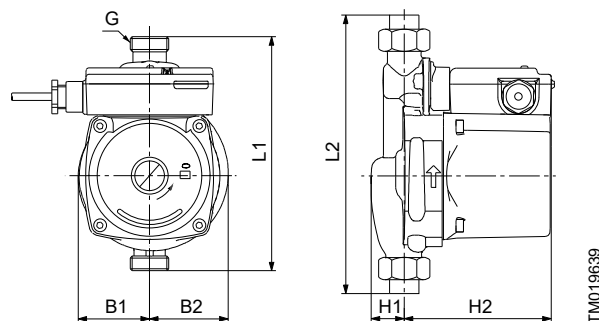
Motor

UPA booster pumps for pressure boosting are of the canned-rotor type, that is pump and motor form an integral unit without shaft seal. Only two gaskets are required for sealing. The bearings are lubricated by the pumped liquid.

UPA 15-90 pumps have a 2-pole, asynchronous, squirrel-cage motor. The motor has a built-in impedance protection and is short-circuit-proof. No external motor protection is required.

Technical data

Dimensions and weights



TM019639

Dimensions [mm]						
L1	L2	H1	H2	B1	B2	G
160	214	23	103	50	54	3/4"

Net weight [kg]	Gross weight [kg]	Shipping volume [m ³]
2.5	2.7	0.0042

Operating conditions

Enclosure class	IPX2D
Insulation class	H/F
Connections	G 3/4 - R 1/2 unions
Operating pressure	Max. 10 bar
Liquid temperature	2-60 °C (TF 95)
Ambient temperature	2-40 °C
Noise level	< 43 dB(A)

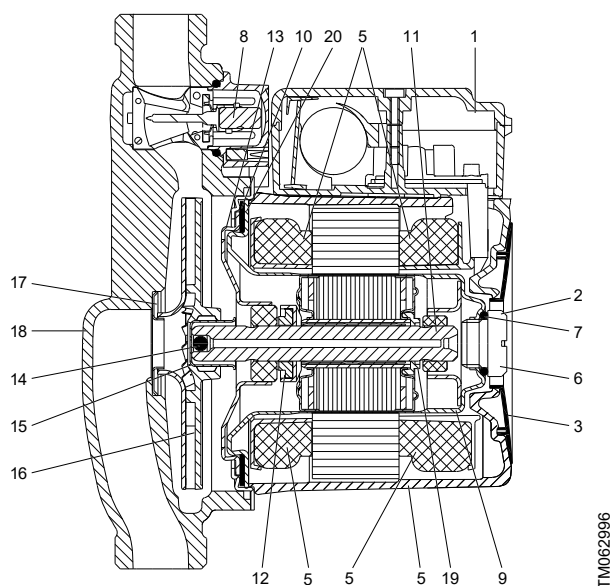
See nameplate data for the specific product model.

Electrical data

Frequency [Hz]	Voltage [V]	P _{1max} [W]	I _{1/1} [A]
50	1 × 230	120	0.48
60	1 × 230	120	0.48
60	1 × 115	120	1.00
60	1 × 127	120	1.00

Construction of UPA 15-90

Material specification



Sectional drawing of UPA 15-90

Pos.	Description	Material
1	Terminal box	Composite PPE/PS
	Electric unit	Composite PET
2	Radial bearing	Ceramic
3	Nameplate	Composite PA66
5	Stator housing	AlSi10Cu2
	Stator winding cap	Composite PET
	Stator windings	Copper
6	Vent screw	Brass, nickelled, Ms58, EN 2.0401.30
7, 10	Gaskets	EPDM rubber
8	Flow switch	Magnet / EPDM rubber / PP 9 Rotor can
9	Rotor can	Stainless steel EN 1.4301, AISI
11	Shaft	Aluminium oxide
12	Thrust bearing	Carbon
	Thrust bearing retainer	EPDM rubber
13	Bearing plate	Stainless steel EN 1.4301, AISI 304
14	Ball (non-return valve)	EPDM rubber
15	Split cone	Stainless steel EN 1.4301, AISI 304
16	Impeller	Composite PP 30 % GF
17	Neck ring	Stainless steel EN 1.4301, AISI 304
18	Pump housing	UPA 15-90: Cast iron EN 1561 EN-GJL-150, ASTM 30 B
		UPA 15-90 N: Stainless steel EN 1.4308, AISI 304 C15
19	Stop ring	Composite PES
20	Intermediate ring	Stainless steel

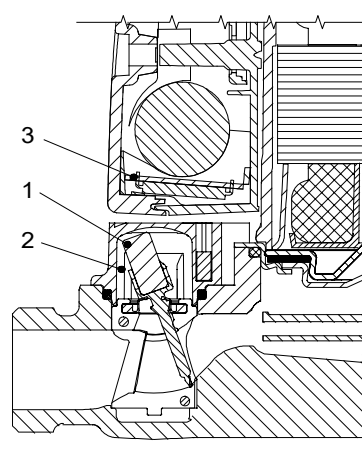
Characteristic materials

Component	Material
Shaft	Aluminium oxide or ceramic
Radial bearing	Ceramic
Thrust bearing	Carbon
Rotor can and bearing plate	Stainless steel
Impeller	Corrosion-resistant material
Pump housing	Cataphoresis-coated cast iron or stainless steel

Flow switch

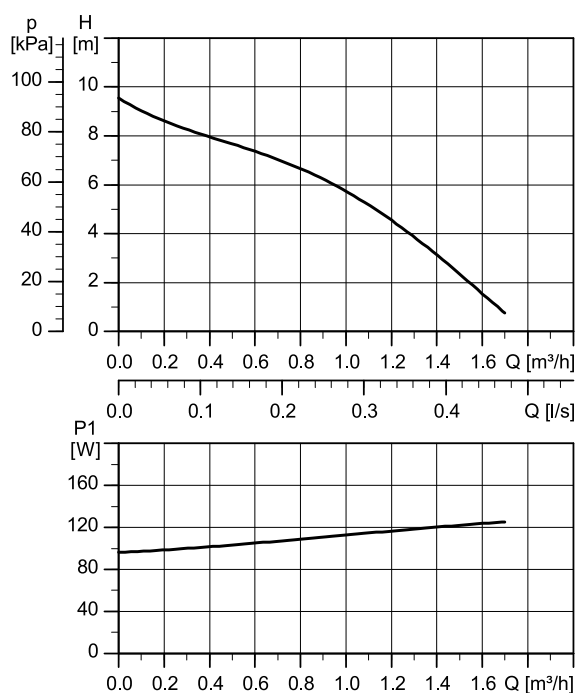
The integrated flow switch starts or stops the pump when a tapping point is turned on or off.

The flow switch consists of an arm with a magnet (1), that moves in a chamber (2). The chamber is separated from the pumped liquid and the terminal box. The magnetic field activates a magnetic contact (3).

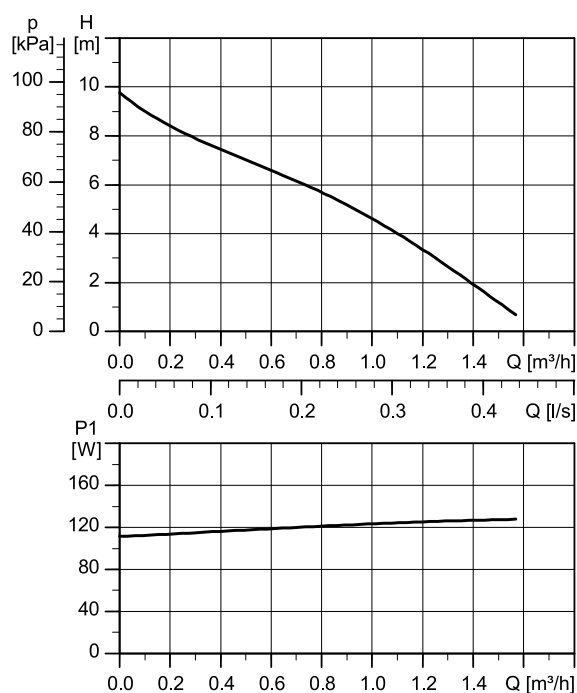


UPA 15-90 flow switch

Performance curves



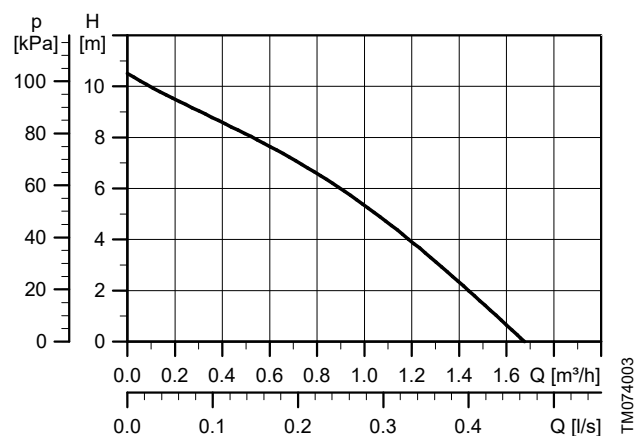
TM087363



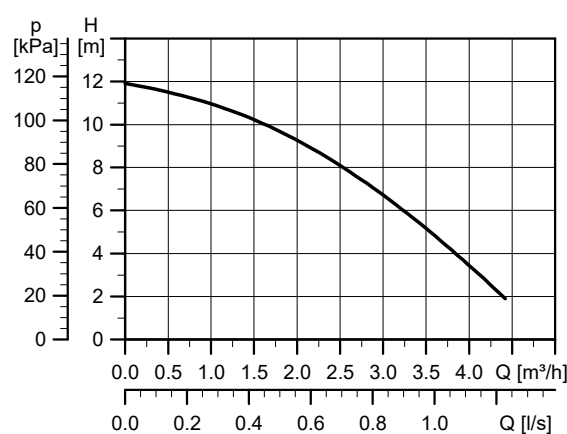
TM087364

UPA 15-90, 1 x 230 V, 50 Hz

UPA 15-90, 1 x 230 V, 60 Hz



TM074003



TM057463

UPA 15-90, 1 x 115 V, 60 Hz

UPA 15-90, 1 x 127 V, 60 Hz

6. UPA 15-120



GR-104150

UPA booster pumps increase the pressure of domestic water to make the required pressure available at showers, taps and other tapping points.

UPA booster pumps are designed for pressure boosting of domestic water supplied from an external source in residential homes. UPA booster pumps are used in open systems and can also be connected directly to the water main.

The integrated flow switch starts or stops the pump when a tapping point is turned on or off.

Features and benefits

- **Flexibility:** Suitable for installation in existing systems.
- **Comfort:** Low-noise operation.
- **User friendliness:** Plug and play.
- **Reliability:** Proven Grundfos quality.
- **Energy-efficiency:** High-efficiency PM technology.
- **Corrosion-resistant:** Cataphoresis-coated pump housing.

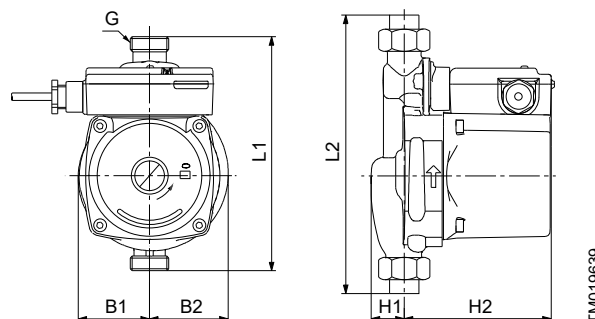
Motor

UPA booster pumps for pressure boosting are of the canned-rotor type, that is pump and motor form an integral unit without shaft seal. Only two gaskets are required for sealing. The bearings are lubricated by the pumped liquid.

UPA 15-120 pumps have a 2-pole, asynchronous, squirrel-cage motor. The motor incorporates thermal overload protection, so no external motor protection is required.

Technical data

Dimensions and weights



TM019639

Dimensions [mm]					
L1	H1	H2	B1	B2	G
200	20	130	63	69	1"

Net weight [kg]	Gross weight [kg]	Shipping volume [m ³]
4.7	5.0	0.0058

Operating conditions

Enclosure class	IPX2D
Insulation class	F
Connections	G 1 - R 3/4 unions
Operating pressure	Max. 10 bar
Liquid temperature	2-60 °C (TF 95)
Ambient temperature	2-40 °C
Noise level	< 43 dB(A)

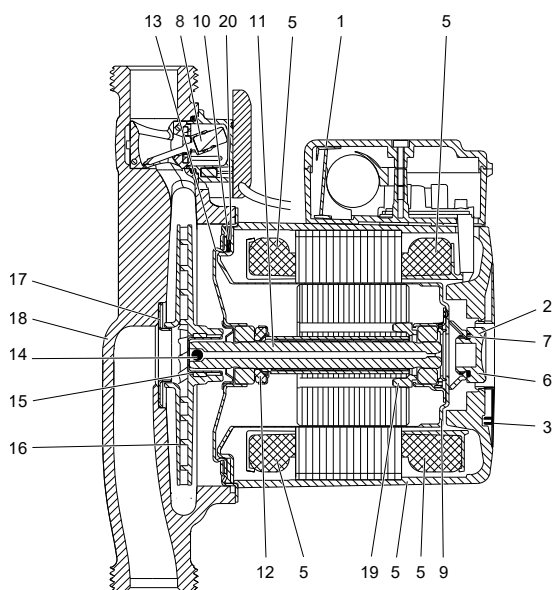
See nameplate data for the specific product model.

Electrical data

Frequency [Hz]	Voltage [V]	P _{1max} [W]	I _{1/1} [A]
50	1 × 230	200	0.89

Construction of UPA 15-120

Material specification



TM063444

Sectional drawing of UPA 15-120

Pos.	Description	Material
1	Terminal box	Composite PPE/PS
	Electric unit	Composite PET
2	Radial bearing	Ceramic
3	Nameplate	Composite PA66
5	Stator housing	AlSi10Cu2
	Stator winding cap	Composite PET
	Stator windings	Copper
6	Vent screw	Brass, nickelled, Ms58, EN 2.0401.30
7, 10	Gaskets	EPDM rubber
8	Flow switch	Magnet / EPDM rubber / PP
9	Rotor can	Stainless steel EN 1.4301, AISI 304
11	Shaft	Ceramic
12	Thrust bearing	Carbon
	Thrust bearing retainer	EPDM rubber
13	Bearing plate	Stainless steel EN 1.4301, AISI 304
14	Ball (non-return valve)	EPDM rubber
15	Split cone	Stainless steel EN 1.4301, AISI 304
16	Impeller	Composite PSP/PP 30 % GF
17	Neck ring	Stainless steel EN 1.4301, AISI 304
18	Pump housing	Cast iron EN 1561 EN-GJL-150, ASTM 30 B
19	Stop ring	Composite PES
20	Intermediate ring	Stainless steel

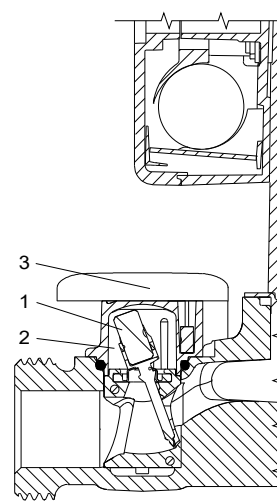
Characteristic materials

Component	Material
Shaft	Aluminium oxide or ceramic
Radial bearing	Ceramic
Thrust bearing	Carbon
Rotor can and bearing plate	Stainless steel
Impeller	Corrosion-resistant material
Pump housing	Cataphoresis-coated cast iron or stainless steel

Flow switch

The integrated flow switch starts or stops the pump when a tapping point is turned on or off.

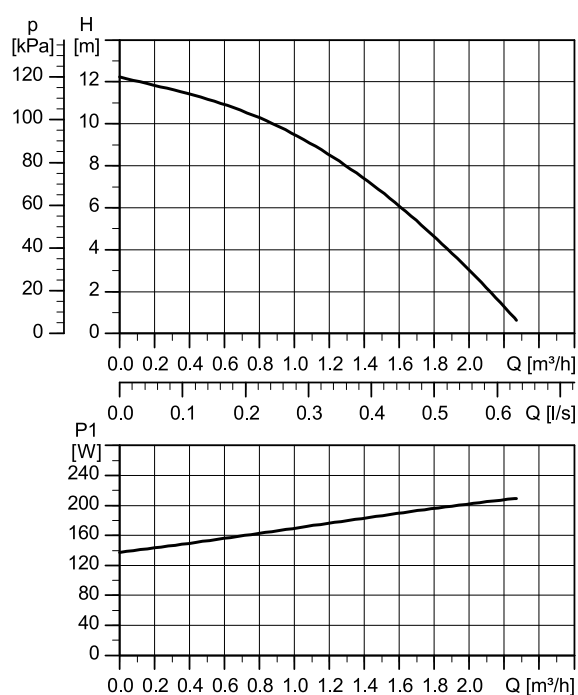
The flow switch consists of an arm with a magnet (1), that moves in a chamber (2). The chamber is separated from the pumped liquid and the terminal box. The magnetic field activates a magnetic contact (3).



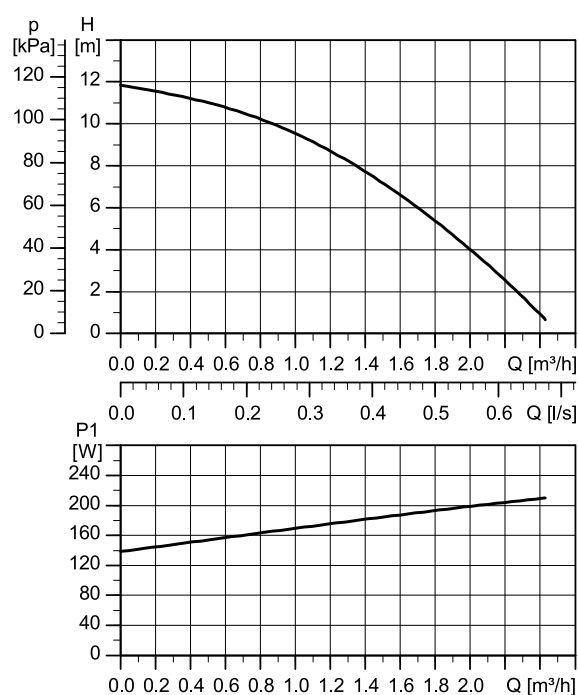
TM065104

UPA 15-120 flow switch

Performance curves



UPA 15-120 50 Hz



UPA 15-120 60 Hz

7. UPA 120



GR-104032

UPA booster pumps increase the pressure of domestic water to make the required pressure available at showers, taps and other tapping points.

UPA booster pumps are designed for pressure boosting of domestic water supplied from an external source in residential homes. UPA booster pumps are used in open systems and can also be connected directly to the water main.

Features and benefits

- **Flexibility:** Suitable for installation in existing systems.
- **Comfort:** Low-noise operation.
- **User friendliness:** Plug and play.
- **Reliability:** Proven Grundfos quality.
- **Energy-efficiency:** High-efficiency PM technology.
- **Corrosion-resistant:** Cataphoresis-coated pump housing.

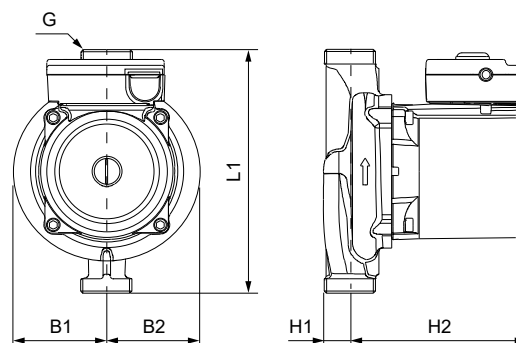
Motor

UPA booster pumps for pressure boosting are of the canned-rotor type, that pump and motor form an integral unit without shaft seal. Only two gaskets are required for sealing. The bearings are lubricated by the pumped liquid.

UPA 120 pumps have a 2-pole, asynchronous, squirrel-cage motor. The motor incorporates thermal overload protection, so no external motor protection is required.

Technical data

Dimensions and weights



TM065265

Dimensions [mm]					
L1	H1	H2	B1	B2	G
180	20	130	63	69	1"
Net weight [kg]		Gross weight [kg]		Shipping volume [m ³]	
4.7		5.0		0.0058	

Operating conditions

Enclosure class	IPX2D
Insulation class	F
Connections	G 1 - R 3/4 unions
Operating pressure	Max. 10 bar
Liquid temperature	50 Hz: 2-60 °C (TF 95)
Ambient temperature	2-40 °C
Noise level	< 43 dB(A)

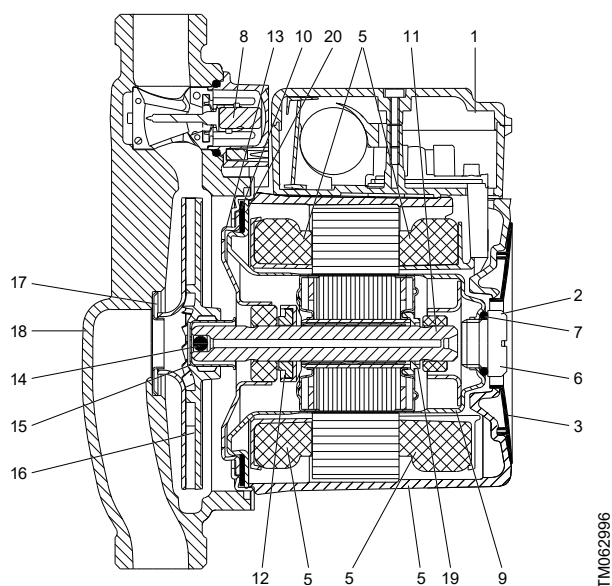
See nameplate data for the specific product model.

Electrical data

Frequency [Hz]	Voltage [V]	P _{1max} [W]	I _{1/I} [A]
50	1 × 230	250	1.14
60	1 × 230	220	1.05
60	1 × 115	225	2.00

Construction of UPA 120

Material specification



Sectional drawing of UPA 120

Pos.	Component	Material
1	Terminal box	Composite PPE/PS
	Electric unit (single-phase only)	Composite PET
2	Radial bearing	Ceramic
3	Nameplate	Composite PA66
5	Stator housing	AlSi10Cu2
	Stator winding cap	Composite PET
	Stator windings	Copper
6	Vent screw	Brass, nickelled, Ms58, EN 2.0401.30
7, 10	Gaskets	EPDM rubber
9	Rotor can	Stainless steel EN 1.4301/1.4521, AISI 304
11	Shaft, complete	Ceramic
12	Thrust bearing	Carbon
	Thrust bearing retainer	EPDM rubber
13	Bearing plate	Stainless steel EN 1.4301, AISI 304
14	Ball (non-return valve)	EPDM rubber
15	Split cone	Stainless steel EN 1.4301, AISI 304
16	Impeller	Composite PSP/PP 30 % GF
17	Neck ring	Stainless steel EN 1.4301, AISI 304
18	Pump housing	Cast iron EN 1561 EN-GJL-150
19	Stop ring	Composite PES
20	Intermediate ring	Stainless steel EN 1.4301, AISI 304

Characteristic materials

Component	Material
Shaft	Aluminium oxide or ceramic
Radial bearing	Ceramic
Thrust bearing	Carbon
Rotor can and bearing plate	Stainless steel
Impeller	Corrosion-resistant material
Pump housing	Cataphoresis-coated cast iron or stainless steel

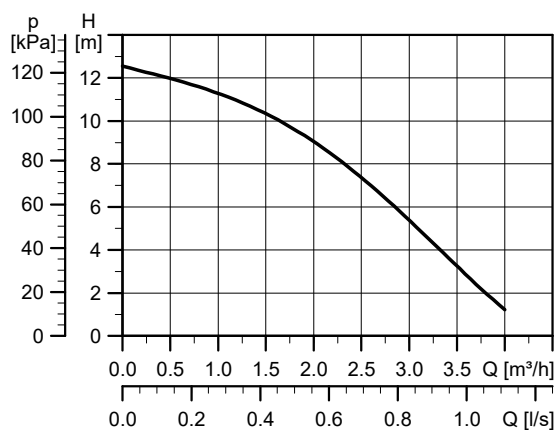
External flow switch

An external flow switch is available as an accessory. The external flow switch is placed after the outlet of the pump and starts or stops the pump when a tapping point is turned on or off.

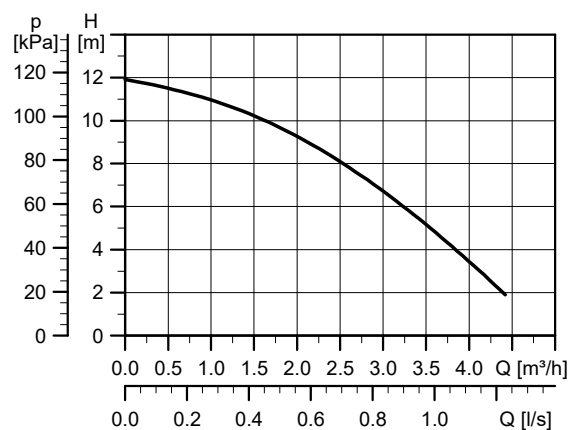


External flow switch for UPA 120

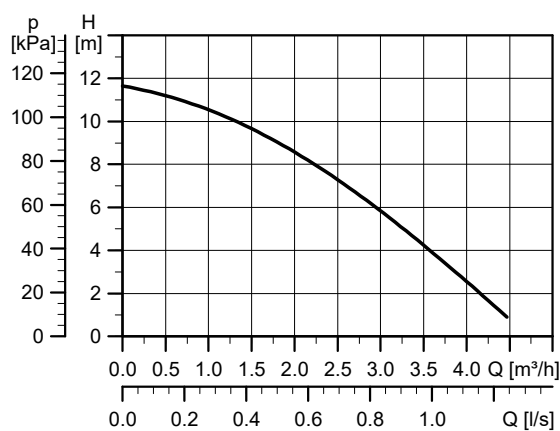
Performance curves



TM057459

UPA 120, 1 × 230 V, 50 Hz curve

TM057463

UPA 120, 1 × 115 V, 60 Hz curve

TM057462

UPA 120, 1 × 230 V, 60 Hz curve

8. UPA 15-160



TM071500

UPA booster pumps increase the pressure of domestic water to make the required pressure available at showers, taps and other tapping points.

UPA booster pumps are designed for pressure boosting of domestic water supplied from an external source in residential homes. UPA booster pumps are used in open systems and can also be connected directly to the water main.

Features and benefits

- **Flexibility:** Installation in existing systems.
- **Comfort:** Low-noise operation.
- **User friendliness:** Plug and play.
- **Reliability:** Proven Grundfos quality.
- **Energy-efficiency:** High-efficiency PM technology. UPA 15-160 consumes up to 87 % less electrical power than a conventional constant-speed booster.
- **Corrosion-resistant:** Cataphoresis-coated pump housing.

Motor

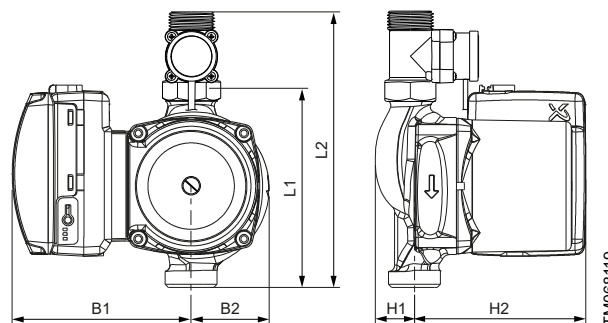
UPA booster pumps for pressure boosting are of the canned-rotor type, that is pump and motor form an integral unit without shaft seal. Only two gaskets are required for sealing. The bearings are lubricated by the pumped liquid.

UPA 15-160 is energy-optimised due to improved hydraulics and an electronically commutated motor (ECM) with permanent-magnet rotor and frequency converter.

The pump controller is incorporated in the control box, which is fitted to the stator housing.

Technical data

Dimensions and weights



TM068119

Dimensions [mm]						
L1	L2	H1	H2	B1	B2	G
130	203	25	110	116	50	1"

Net weight [kg]	Gross weight [kg]	Shipping volume [m ³]
2.4	2.7	0.0081

Operating conditions

Enclosure class	IPX2D
Insulation class	F
Connections	G 1
Operating pressure	Max. 10 bar
Liquid temperature	2-60 °C (TF 95)
Ambient temperature	2-40 °C
Noise level	< 43 dB(A)

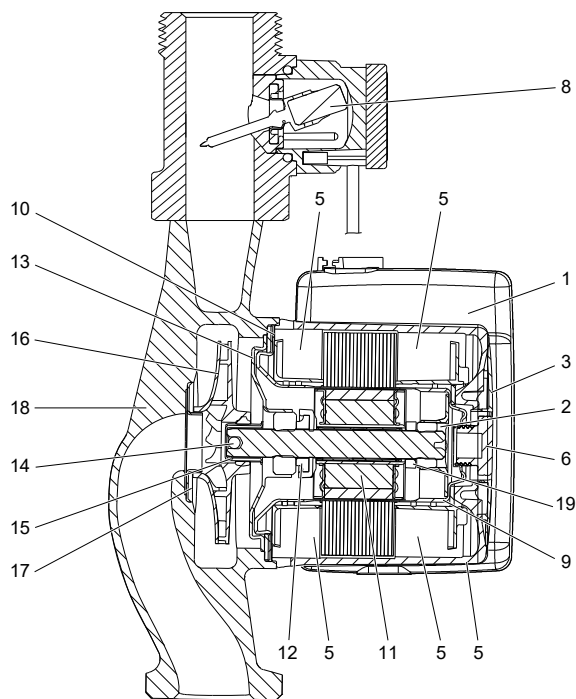
See nameplate data for the specific product model.

Electrical data

Frequency [Hz]	Voltage [V]	P _{1max} [W]	I _{1/1} [A]
50	1 × 230	180	1.41

Construction of UPA 15-160

Material specification



TM049747

Sectional drawing of UPA 15-160

Pos.	Component	Material
1	Terminal box	Composite
	Heat sink with cooling pad	AlSi11Cu2 EN 46100
2	Radial bearing	Ceramic
3	Nameplate	Composite PA66
5	Stator housing	AlSi10Cu2
	Stator windings	Copper
6	Vent screw	Brass, nickelled, Ms58, EN 2.0401.30
	O-ring	EPDM ID2034
8	Flow switch	Magnet / EPDM rubber / PP
9	Rotor can	Stainless steel EN 1.4301/1.4521, AISI 304
10	Gasket	EPDM rubber
	Stop ring	PES 30 % GF
	Shaft	Ceramic
11	Rotor cladding	Stainless steel EN 1.4301/1.4521, AISI 304
	Thrust bearing	Carbon
12	Thrust bearing retainer	EPDM rubber
13	Bearing plate	Stainless steel EN 1.4301, AISI 304
14	Ball (non-return valve)	EPDM rubber
15	Split cone	Stainless steel EN 1.4301, AISI 304
16	Impeller	Composite PES 30 % GF
17	Neck ring	Stainless steel EN 1.4301, AISI 304

Pos.	Component	Material
18	Pump housing	UPA 15-160: Cast iron EN 1561 EN-GJL-150, ASTM 30 B
		UPA 15-160 N: Stainless steel EN 1.4308, AISI 304 C15
19	Stop ring	Composite PES

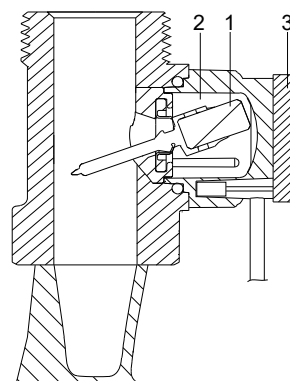
Characteristic materials

Component	Material
Shaft	Aluminium oxide or ceramic
Radial bearing	Ceramic
Thrust bearing	Carbon
Rotor can and bearing plate	Stainless steel
Impeller	Corrosion-resistant material
Pump housing	Cathaphoresis-coated cast iron or stainless steel

External flow switch

The external flow switch is placed after the outlet of the pump. The flow switch starts or stops the pump when a tapping point is turned on or off.

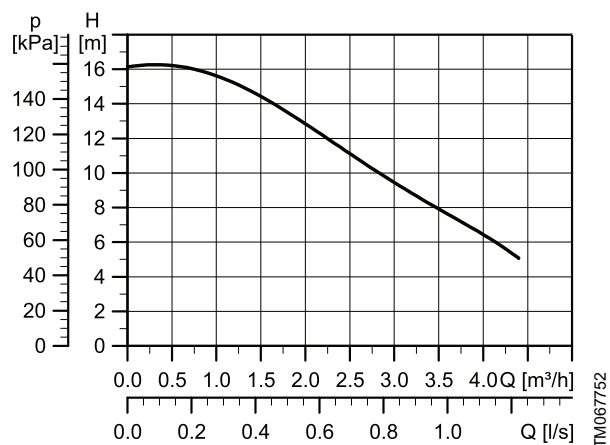
The flow switch consists of an arm with a magnet (1), that moves in a chamber (2). The chamber is separated from the pumped liquid and the terminal box. The magnetic field activates a magnetic contact (3).



TM073952

External flow switch for UPA 15-160

Performance curves



UPA 15-160, 1 × 230 V, 50 Hz curve

9. Product numbers

Pump type	Voltage [V]	Frequency [Hz]	Port-to-port length [mm]	Pump housing	Connection	Plug/cable type	Product number
UPA 15-90	230	60	160	Cast iron	G 3/4	Schuko	92776319
	230	50	160	Stainless steel	G 3/4	Schuko	99890909
	115	60	160	Cast iron	G 3/4	NEMA 5-15	99890955
	230	60	160	Stainless steel	G 3/4	NEMA 6-15	99890989
	230	60	160	Stainless steel	G 3/4	No plug	99891014
	230	50	160	Cast iron	G 3/4	Schuko	99538895
	230	50	160	Cast iron	G 3/4	Schuko	99547009 ¹⁾
	230	50	160	Stainless steel	G 3/4	Schuko	99539041
	230	50	160	Cast iron	G 3/4	China	99366077
	230	50	160	Cast iron	G 3/4	No plug	99539056
	230	50	160	Stainless steel	G 3/4	No plug	99538997
	230	50	160	Stainless steel	G 3/4	UK	99539153
	230	50	160	Cast iron	G 3/4	Australia	99539189
	230	50	160	Cast iron	G 3/4	Argentina	99541003
	230	50	160	Cast iron	G 3/4	India	99539049
	230	50	160	Cast iron	G 3/4	Chile	99629955
	230	60	160	Cast iron	G 3/4	Brazil	99540836
	230	60	160	Cast iron	G 3/4	NEMA 6-15	99540840
	230	60	160	Cast iron	G 3/4	No plug	99838809
	230	60	160	Cast iron	G 3/4	Korea	99540895
	230	60	160	Cast iron	G 3/4	Schuko	99540901
	127	60	160	Cast iron	G 3/4	NEMA 5-15	99540974
	100	60	160	Stainless steel	G 3/4	Japan	99547041
	115	60	160	Cast iron	G 3/4	Brazil	99539201
	115	60	160	Cast iron	G 3/4	NEMA 5-15	99539214
UPA 120	230	50	180	Cast iron	G 1	Schuko	99553565 ¹⁾
	230	50	180	Cast iron	G 1	China	99950991
	230	50	180	Cast iron	G 1	Schuko SNI	99950989
	230	50	180	Cast iron	G 1	Schuko	99950986
	230	50	180	Cast iron	G 1	No plug	99950971
	230	60	180	Cast iron	G 1	No plug	99950932
	230	50	180	Cast iron	G 1	India	99553567
	230	50	180	Cast iron	G 1	Argentina	99553603
	230	50	180	Cast iron	G 1	UK	99553568
	230	50	180	Cast iron	G 1	Chile	99629961
	230	60	180	Cast iron	G 1	NEMA 6-15	99553501
	230	60	180	Cast iron	G 1	Schuko	99553538
	230	60	180	Cast iron	G 1	Brazil	99553542
	230	60	180	Cast iron	G 1	NEMA 6-15	99553546
	115	60	180	Cast iron	G 1	Brazil	99553505
	115	60	180	Cast iron	G 1	NEMA 5-15	99553507
UPA 15-160	230	50/60	203	Cast iron	G 1	No plug	99331335
	230	50/60	203	Cast iron	G 1	No plug CN	99834700
	230	50/60	203	Cast iron	G 1	No plug EAC	99891467

Pump type	Voltage [V]	Frequency [Hz]	Port-to-port length [mm]	Pump housing	Connection	Plug/cable type	Product number
UPA 15-120	230	50	200	Cast iron	G 1	Schuko	99553570 ¹⁾
	230	50	200	Cast iron	G 1	Schuko	99891572
	230	50	200	Cast iron	G 1	China	99366078
	230	50	200	Cast iron	G 1	Schuko	99553575
	230	50	200	Cast iron	G 1	No plug	99779302
	230	50	200	Cast iron	G 1	Argentina	99891091
	230	50	200	Cast iron	G 1	UK	99891395
	230	50	200	Cast iron	G 1	Chile	99891430
	230	60	200	Cast iron	G 1	No plug Saudi	99842403
	230	60	200	Cast iron	G 1	Schuko	99891087
	115	60	200	Cast iron	G 1	NEMA 5-15	99891104
	230	60	200	Cast iron	G 1	NEMA 6-15	99891394
	230	50	200	Cast iron	G 1	India	99891427
	230	60	200	Cast iron	G 1	Brazil	99891443
	115	60	200	Cast iron	G 1	Brazil	99891452

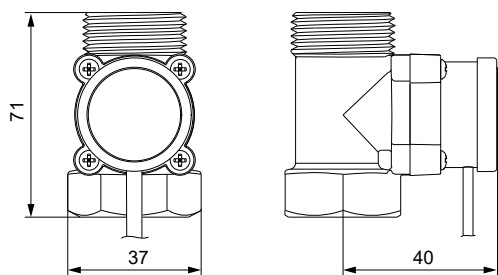
¹⁾ EAC marking

10. Accessories

External flow switch for UPA 120



TM065193



TM068013

Product number

Description	Product number
External flow switch for UPA 120	91760166

11. Grundfos Product Center

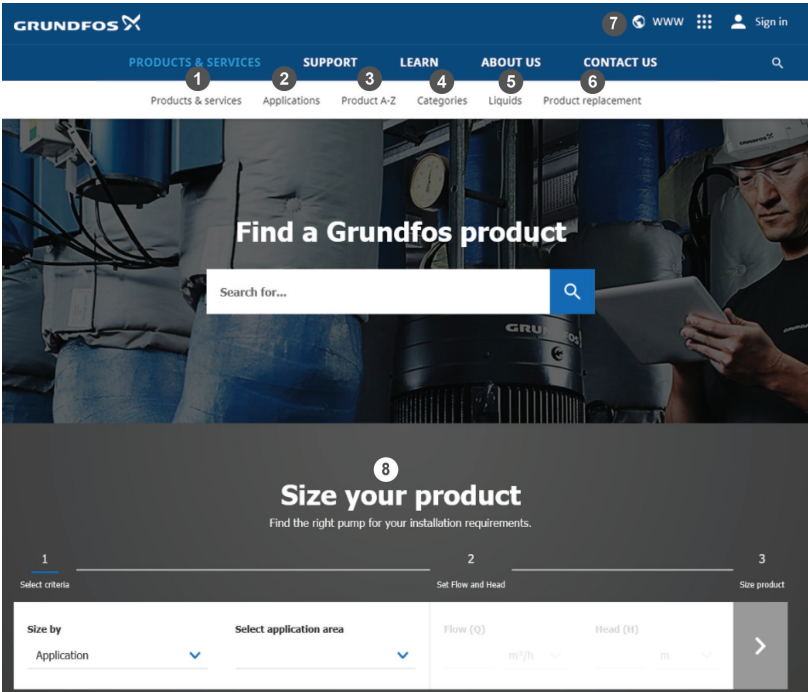
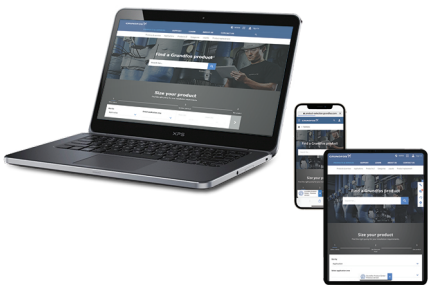
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