

Home Booster Circulator

UPA15-90

The UPA 15-90 is a circulator pump designed for pressure boosting of domestic water in domestic properties. The pump provides additional pressure to showers, taps and similar outlet points for domestic water.

The UPA 15-90 is for use in open systems.

Approval from the local Water Company must be obtained if the pump is to be connected directly to the water main.

The pump incorporates a flow switch which starts or stops the pump when a tap is turned on or off.

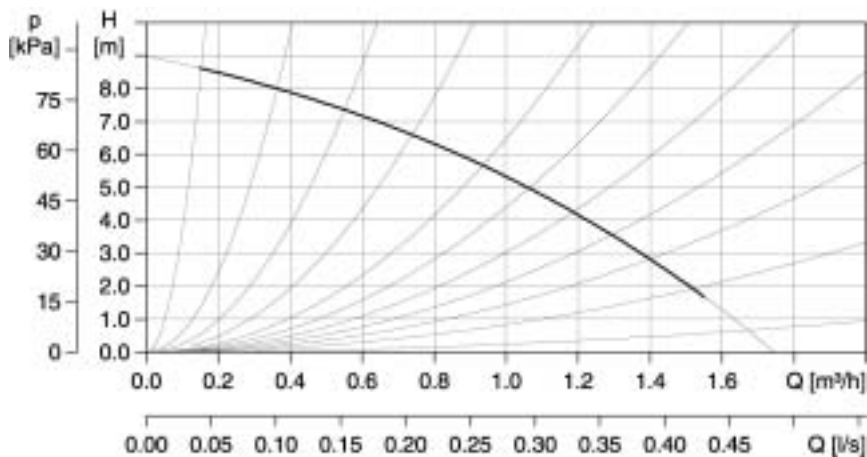
The pump is supplied with a 1.5 metre flying lead.



Features:

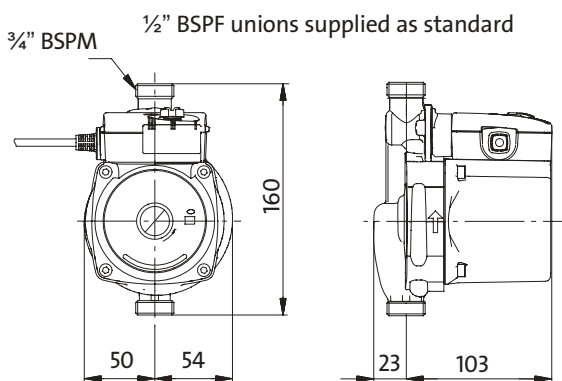
- Typically adds between 0.5 bar and 0.75 bar pressure to the existing inlet pressure
- Stainless steel encapsulated rotor
- Stainless steel rotor can and bearing plate
- Pump can be set to 'Manual', 'Automatic' or 'Off'
- Flows up to 1.4m³h (5.2 gpm)

Performance 50Hz



Dimensions mm

Electrical Data 1 x 230V 50Hz



Model	Input Power (Watts)		Full load Current (Amps)
	min.	max.	
UPA 15-90	118	40	0.48

Model	Weight kg	
	Net	Gross
UPA 15-90	2.5	2.7



1. General

The UPA 15-90 is a circulating pump designed for pressure boosting of water in domestic properties.

The pump provides additional pressure to showers, taps and similar outlet points for domestic water.

The UPA 15-90 is used in open systems and may, subject to approval from the local Water Company, be connected directly to the water main.

The pump incorporates a flow switch which starts or stops the pump when a tap is turned on or off.

The pump is supplied with a 1.5 metre flying lead.

2. Operating conditions

2.1 Pumped liquids

The UPA 15-90 is suitable for the pumping of:

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

The pump must not be used for the transfer of inflammable liquids such as diesel oil, petrol or similar liquids.

2.2 Ambient and liquid temperatures

Standard pumps	Max °C	Min °C
Liquid temperature	70	2
Ambient temperature	40	2

2.3 Operating pressure

PN 6: Maximum (6 bar).

2.4 Inlet pressure

To avoid cavitation noise and risk of damage to the pump bearings, a pressure of minimum 2.0 m head/0.2 bar is required at the pump suction port during operation.

2.5 Pump location

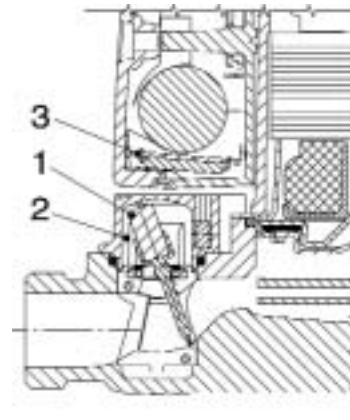
The environment should be non-aggressive and the atmosphere non-explosive.

Relative Humidity: Maximum 95%.

3. Flow switch

The flow switch consists of an arm fitted with a magnet (1) moving in a chamber (2). The chamber is separated from the pumped liquid and the terminal box.

The magnetic field activates a magnetic contact (3) in the terminal box.



The pump selector can be set to the positions OFF, AUTO and MANUAL.

* When the selector is in position MANUAL, at least one tap must be open. Otherwise the pumped liquid may over heat.

Selector in position

I	OFF
II	AUTO
III	MANUAL*

The pump...

is switched off.
starts and stops automatically (when the flow exceeds or falls below 90-120 l/hr).
runs continuously (also if taps are turned off).

4. Product Specification

Type:	UPA 15-90
Pump Housing:	Cast Iron Cataphores coated
Connection:	3/4" BSPM
Inclusive fittings	1/2" BSPF union set
Port to Port dimension	160 mm
Voltage	1 x 230V
Frequency	50 Hz
Product Number:	59 53 95 10