

UPA 15-90

Home Booster

Series 100

circulator pumps

Product Information
PI-021



GRUNDFOS



1. General

The UPA 15-90 is a circulator pump designed for pressure boosting of domestic water in residential homes.

The pump increases the pressure so that the re-quired pressure is available at showers, taps and similar tapping 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 tapping point 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 in-flammable 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 0.6 MPa (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

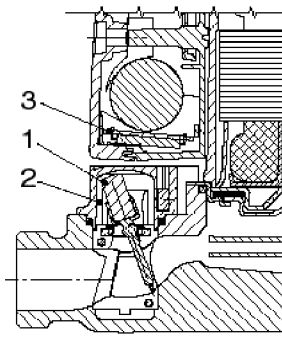
The environment should be non-aggressive and the atmosphere non-explosive.

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 become too hot.

Selector in position		The pump...
I	OFF	is switched off.
II	AUTO	starts and stops automatically (when the flow exceeds or falls below 90-120 [l/h]).
III	MANUAL*	runs continuously (also if tapping points are turned off).

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

4. Product Specification

Type:	UPA 15-90
Pump Housing:	Cast Iron Cataphores coated
Connection:	¾"
Port to Port length mm	160
Voltage (V)	1 x 230
Frequency (Hz)	50
Product Number:	59 53 95 10

Boost r

15-90
1 x 220-240 V, 50 Hz

160
PN 6