

COMFORT PM

Energy-efficient and intelligent hot water recirculation



**MODERN
COMFORT**
BY GRUNDFOS

SUPERIOR COMFORT AND SILENT OPERATION

A BRAND NEW, LOW NOISE PERMANENT MAGNET MOTOR ALLOWS THE ENERGY CONSUMPTION OF THE COMFORT PM RANGE TO BE REDUCED TO AS LITTLE AS 5-8,5 W. COMBINED WITH THE INTELLIGENT AUTOADAPT FUNCTION THIS SETS NEW STANDARDS FOR ENERGY-EFFICIENT HOT WATER RECIRCULATION IN PRIVATE HOMES.

Thanks to the new high efficiency permanent magnet motor the COMFORT range now features two new variants for hot water recirculation. With an energy usage of only 5-8,5 W both the COMFORT pump with AUTOADAPT and the fixed speed COMFORT B pump can significantly reduce the power consumption. In fact, the electricity costs of operating in AUTOADAPT mode requires a mere 1-2 €* per year. Compared to conventional pumps that run continuously this equals a cost reduction of up to 96%. Moreover, heat energy savings amount to as much as 48%.

THE AUTOADAPT PRINCIPLE

The principle of the AUTOADAPT function is really very simple. In the course of only a couple of weeks the COMFORT pump learns the hot water consumption pattern of the household and adapts to it. The stored data ensures that the pump runs only when required – which significantly cuts back on both water and power waste. Should the consumption pattern change, e.g. during holidays, the COMFORT pump with AUTOADAPT recognises the standstill after 24 hours and automatically adapts to holiday mode. On the return

of the occupants, the intelligent pump will automatically resume the same consumption pattern as before the holiday. Consequently, the access to instantly hot water is never jeopardised.

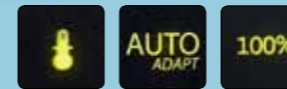
MINIMISE WATER WASTE

All COMFORT pumps – with or without the AUTOADAPT function – combined with a return pipe deliver instantly hot water all over the house. This eliminates the expensive – and annoying – wait for the water to get warm and reduces the annual consumption of domestic water. The results are lower costs while still ensuring the comfort of instantly hot water.

EASY INSTALLATION

The COMFORT BA pump with AUTOADAPT and the continuously running COMFORT B pump are equally compact and designed to greatly facilitate installation – even in confined spaces. Both featuring the renowned ALPHA plug all that is really required is to connect the plug and start pumping.

* Based on 0,20 €/kWh and average running time of 3 hours/day.

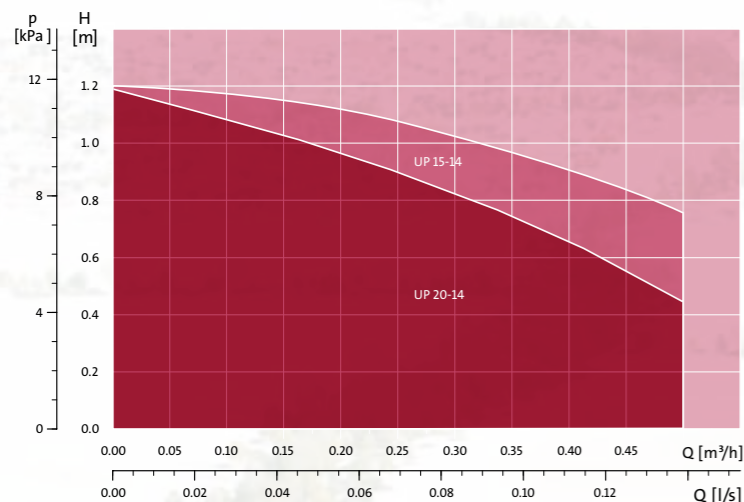


OPERATION MODES

The COMFORT pump with AUTOADAPT features three operation modes. The AUTOADAPT mode learns, stores and adapts operation time to the consumption pattern. The temperature mode keeps the water temperature within an automatically detected range in the individual system. And finally the 100% mode lets the pump run constantly at full speed. Regardless of the operation mode, the COMFORT range guarantees low noise operation – for the comfort of the occupants.



HEAD PERFORMANCE CURVES FOR THE COMFORT RANGE



The COMFORT range is available with (X) and without check valve

Type key	Product number
UP15-14B PM	97916771
UP20-14BX PM	97916772
UP15-14BA PM	97916757
UP20-14BXA PM	97916749

COMFORT BASIC FOR BASIC NEEDS

If the customer requires a more basic hot water recirculation solution, the new energy-efficient COMFORT B is the obvious choice. The COMFORT B pump is compact, easily installed and silent, and is available with the constant operation (100%) mode.



EXPLORE THE UNIQUE PRODUCT RANGE

Go to www.grundfos.com/moderncomfort
to find more in-depth information about the
GRUNDFOS COMFORT PM pumps as well as about:

- Solutions for multiple-family houses
- Savings-potential
- Technical specifications



SAVING WATER

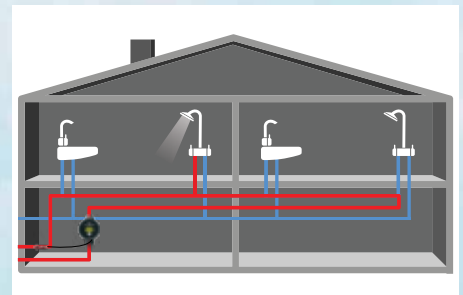
Every time a hot water tap or shower is turned on unnecessary time, energy and water is wasted by the users while waiting for hot water to arrive at the tapping point.

In order to avoid this waste a hot water recirculation system must be installed.

WHAT IS A COMFORT HOT WATER RECIRCULATION PUMP?

A hot water recirculation pump is a pump designed to circulate domestic hot water within the hot water distribution system.

The hot water recirculation pump transfers hot water from the heater to the tapping points sending cooled water back to the water heater.



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