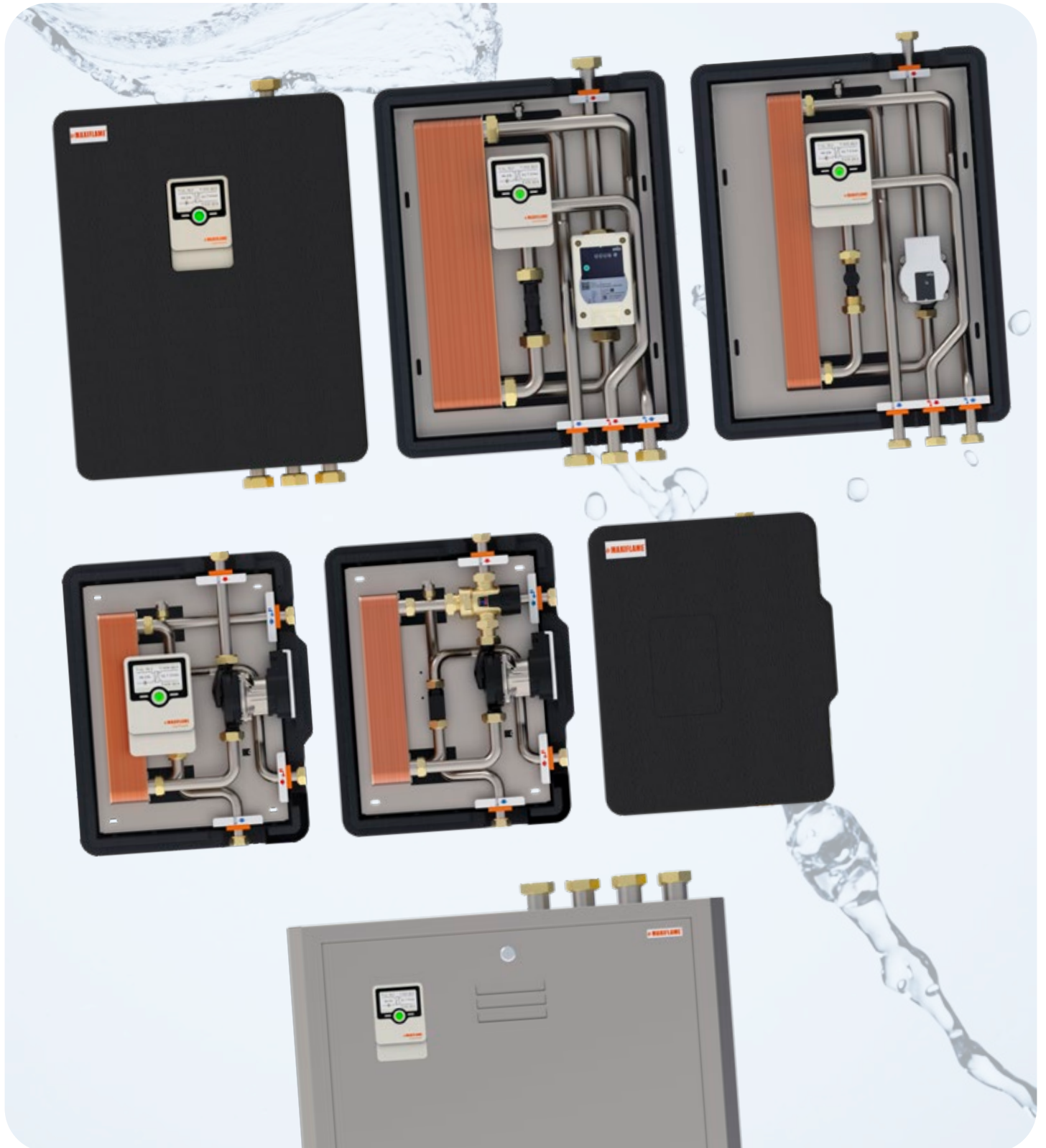


Series **MX140** - **MX245** - **MX280** - **MXB200**

*Endless flexibility for your DHW production*



# **MAXIFLAME**<sup>®</sup>

MODULES FOR HEAT MANAGEMENT



[maxiflame.it](http://maxiflame.it)

# Modular systems for instantaneous DHW production

The **MX140/ACS** and **MX140/ACS E** models are modules of highly efficient instantaneous DHW with high efficiency, ideal for systems integrated with renewable sources.

The advanced electronic control and the integration with inertial storage tanks ensure optimal comfort and high quality of domestic hot water.

These systems eliminate the need for additional measures to prevent the proliferation of legionella, such as chemical or thermal treatments.

The **MX245/ACS E** and **MX280/ACS E** are high-flow hanging modules designed to ensure a continuous supply of hot water in large installations.

The flexibility of installation and compatibility with different energy sources make them the ideal choice for new generation projects.

The **MXB200/ACS E** is the ideal choice for those looking for a reliable, efficient and sustainable solution for domestic hot water production in large installations such as apartment buildings, hotels, hospitals, sports centres and factories.

Model	Main features	Ideal applications
<b>MX140/ACS</b> <b>MX140/ACS E</b>	Instantaneous production, electronic regulation, installation with puffer	Residential installations with renewable sources
<b>MX245/ACS E</b> <b>MX280/ACS E</b>	High flow rate, flexibility of installation, multi-energy	Large installations, commercial applications
<b>MXB200/ACS E</b>	High flow rate, installation floor-standing	Large installations, commercial applications with high flow rates

# MX140/ACS

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### All models are equipped with:

- Wilo high-efficiency pumps
- AISI 316L stainless steel exchangers of 20/30/40 plates (with DHW production from 20 to 40 l/min)
- flow switch or flow meter (E version)
- thermostatic regulation 35 - 65 °C
- AISI 316L stainless steel piping 20 mm in diameter with 3/4" connections
- EPP thermal insulation shell
- air vent tap
- wall mounting kit.

### Optional:

- cascade installation up to 4 modules (E version)
- external monitoring via Modbus (E version)
- recirculation kit (E version)
- shut-off valves.

The **MX140/ACS** and **MX140/ACS E** models allow the production of instantaneous domestic hot water with electronic or thermostatic regulation, and are used in combination with inertial storage storage tanks (puffer).

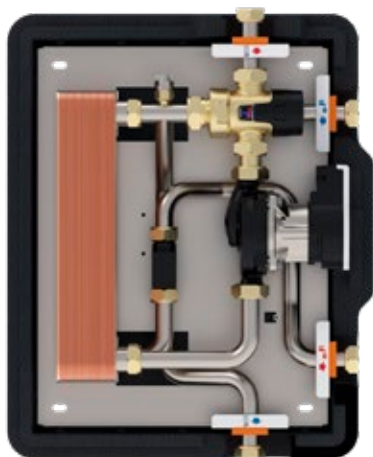
In the **MX140/ACS E** (Electronic) version, the regulation of the DHW temperature (secondary) is achieved by modulating the flow rate of the primary fluid through the variable flow rate of the pump controlled by the electronic regulator with PWM2 control.

In the **MX140/ACS** version, domestic hot water temperature regulation is carried out through thermostatic mixing of the primary circuit fluid.

- 1.** Instantaneous DHW production: it guarantees an immediate supply of hot water, avoiding heat loss and optimising energy consumption.
- 2.** Electronic or thermostatic regulation: it offers flexibility of use, adapting to different needs and types of system.
- 3.** Integration with inertial storage tanks: perfect for solar thermal systems, heat pumps and biomass boilers, maximising energy efficiency.
- 4.** Flow modulation: the PWM2 control ensures precise temperature regulation, reducing waste and increasing comfort.
- 5.** DHW quality: high thanks to instantaneous production, free of chemical and/or heat treatment.

## MX140/ACS

Module for instantaneous DHW production



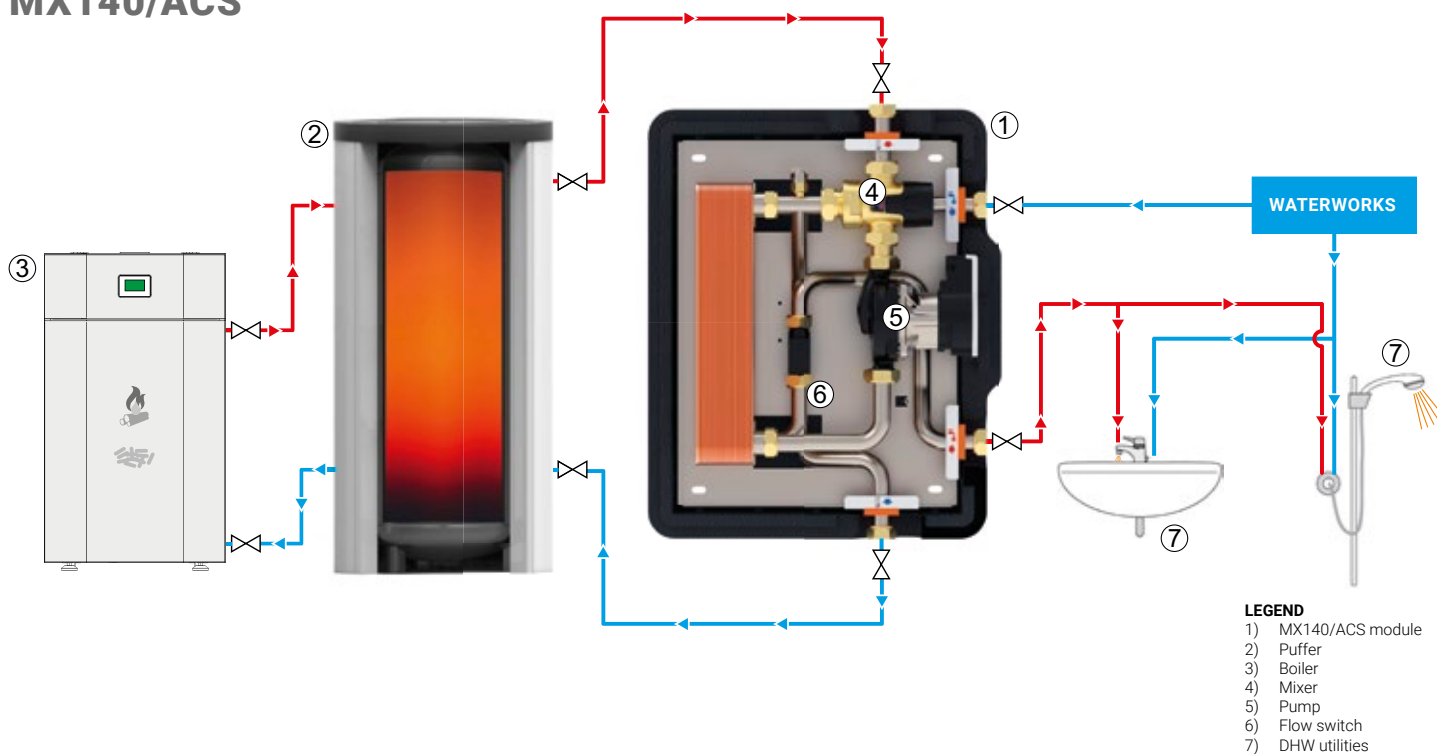
## MX140/ACS E

Module for instantaneous DHW production



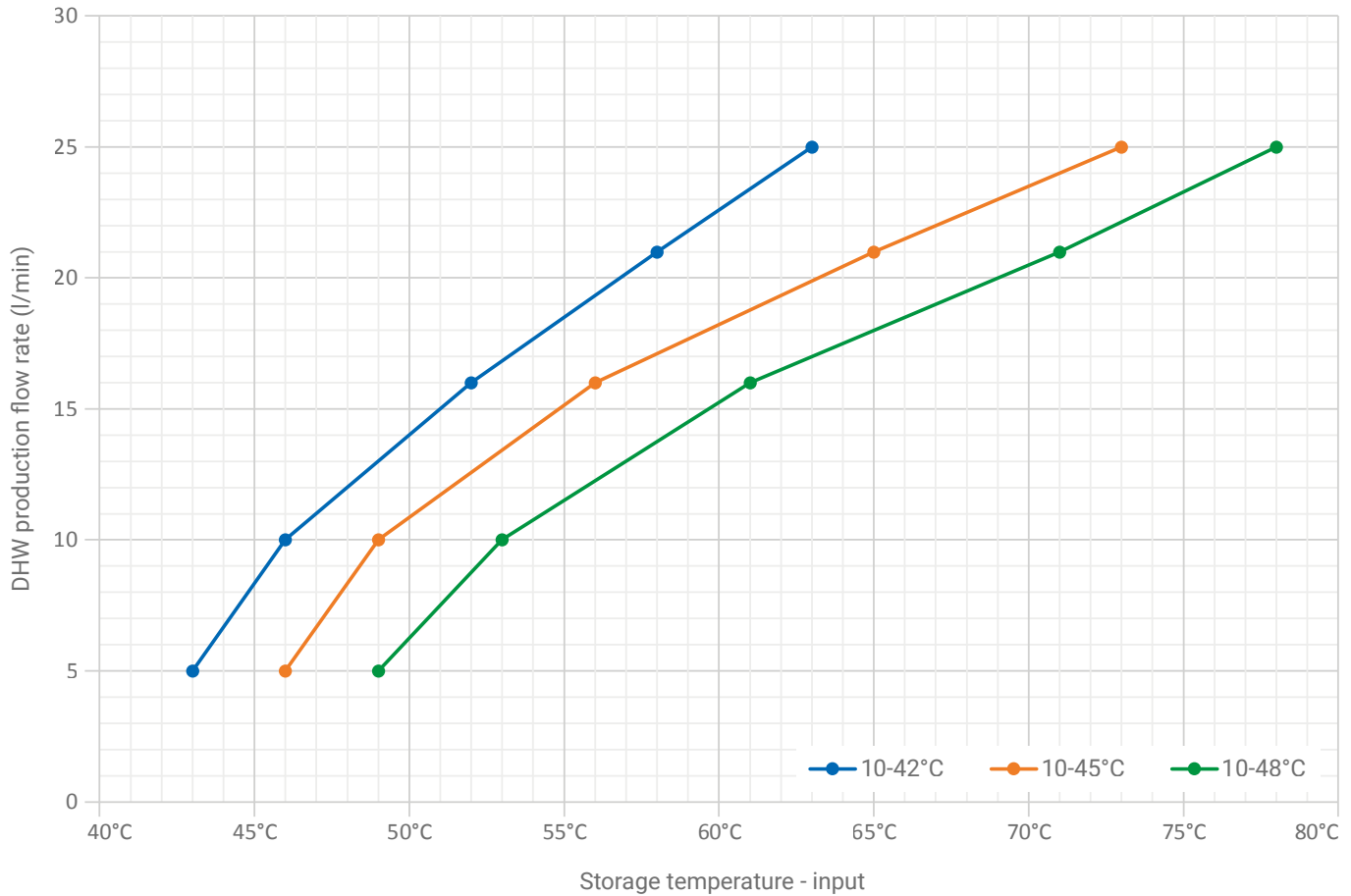
## Installation example

### MX140/ACS

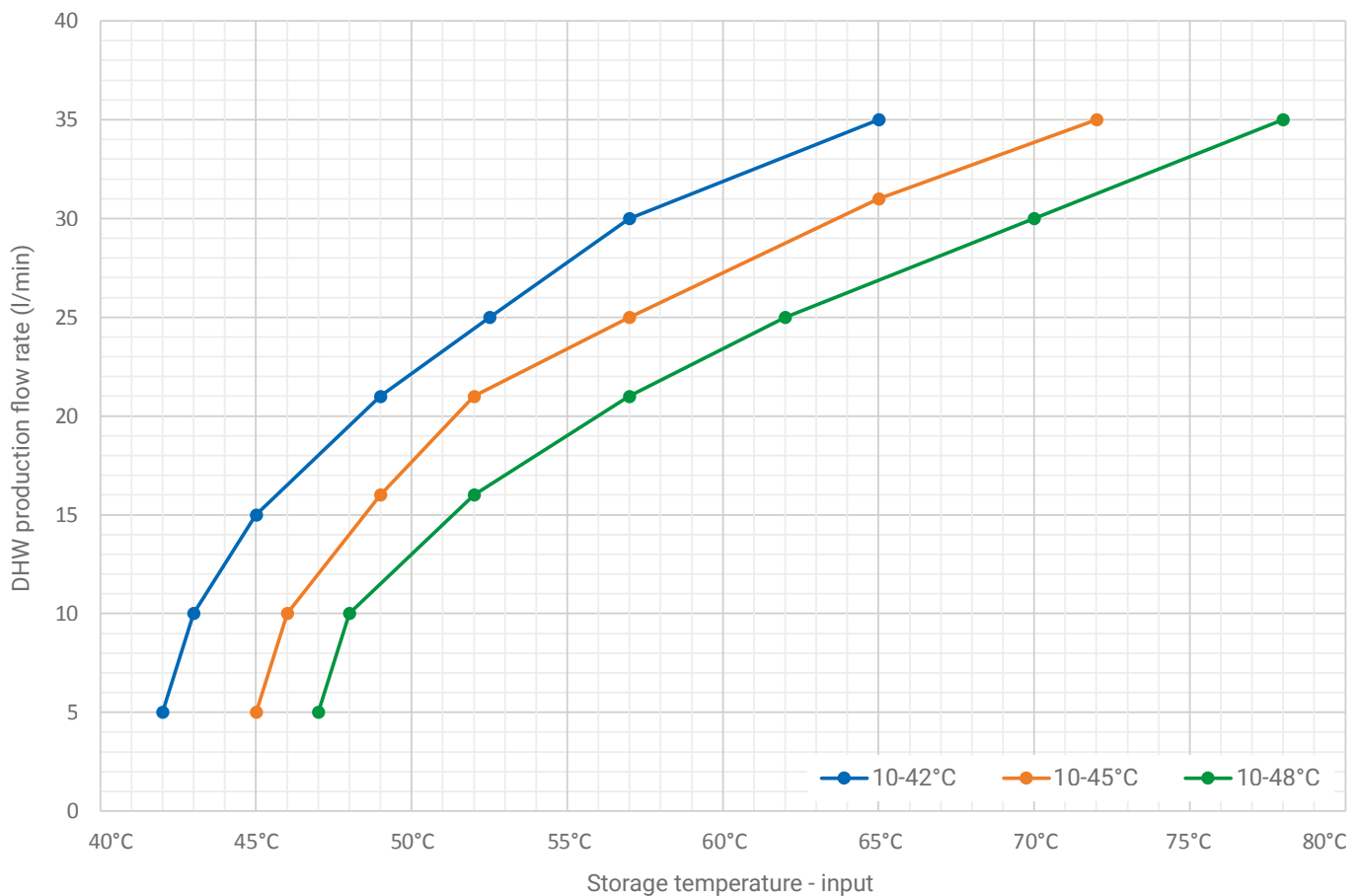


## Performance charts

**MX140/ACS** 20 plates - 14 l/min with puffer at 55°C

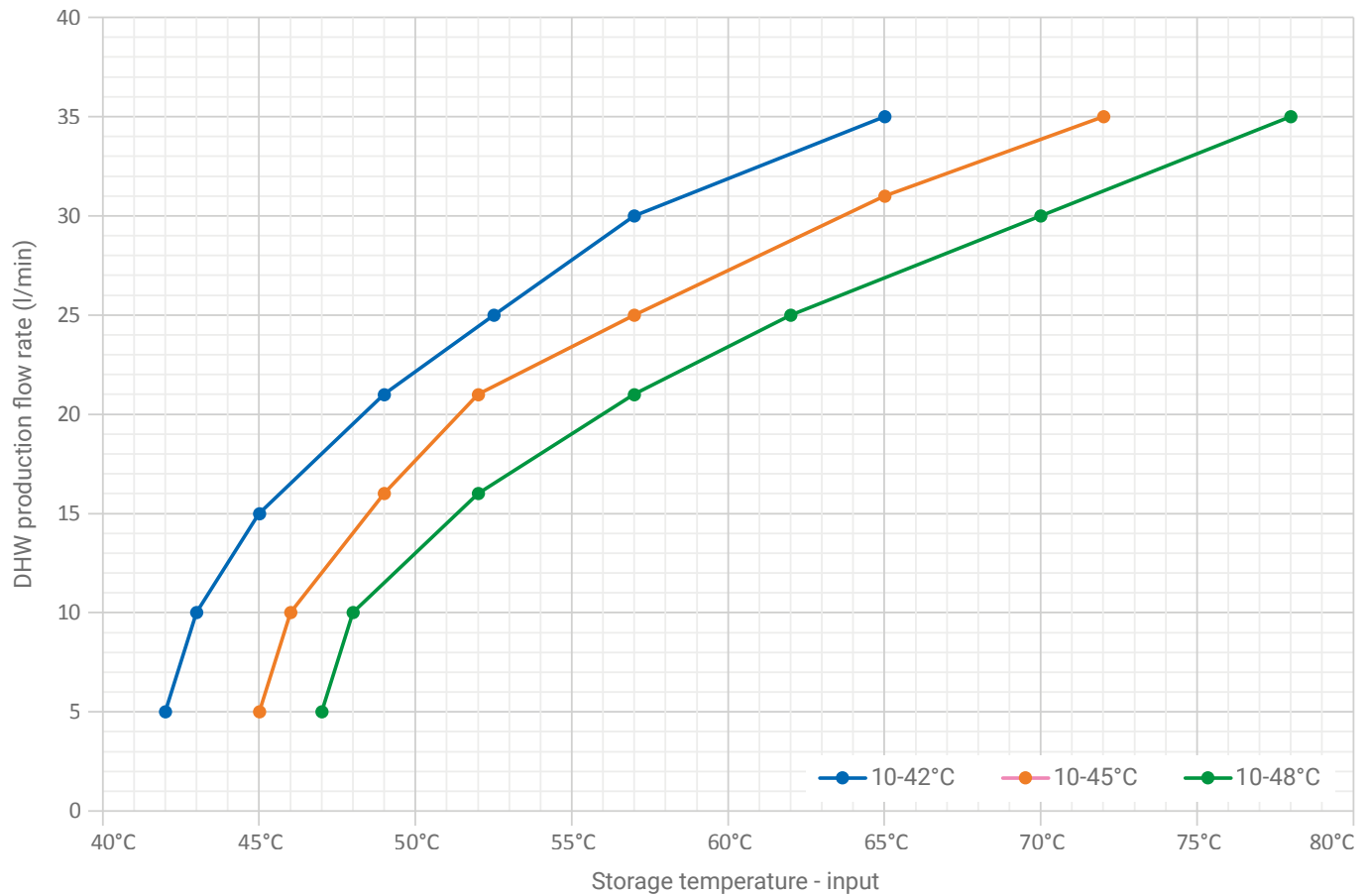


**MX140/ACS** 30 plates - 23 l/min with puffer at 55°C

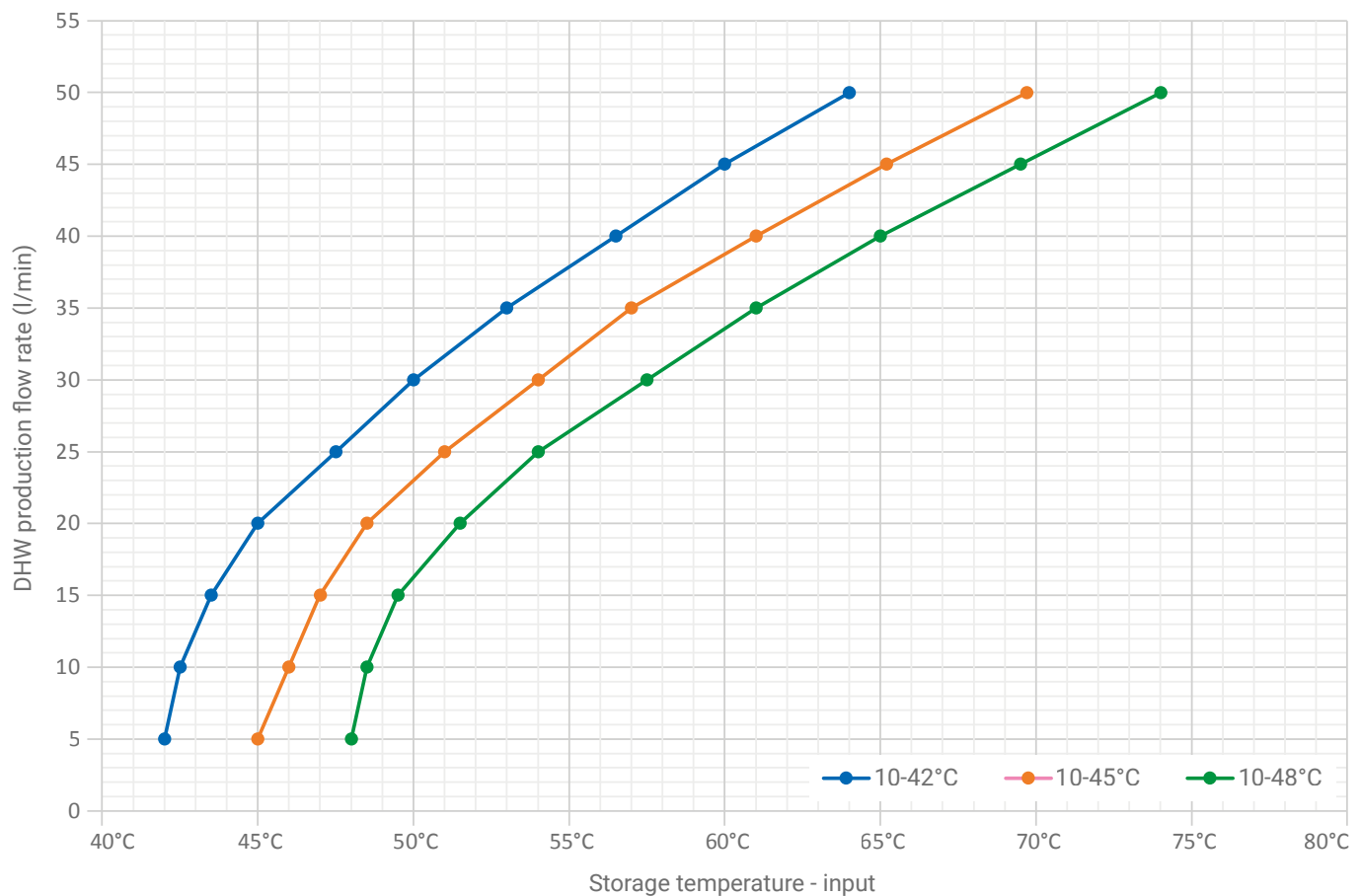


# Performance charts

## MX140/ACS E 30 plates - 23 l/min with puffer at 55°C



## MX140/ACS E 40 plates - 32 l/min with puffer at 55°C



# MX245/ACS E MX280/ACS E

**MAXIFLAME®**



### All models are equipped with:

- Wilo high efficiency circulators
- AISI 316L stainless steel exchangers with 20/30 and 40/60 plates (with DHW production from 30 to 85 l/min)
- MaxiFresh electronic control unit
- flowmeter
- 22 and 28 mm diameter AISI 316L stainless steel pipes mm diameter with 1' and 1¼' connections
- EPP thermal insulation shell

- air vent tap
- wall mounting kit.

### Optional:

- cascade installation of up to 4 modules
- external monitoring via Modbus
- recirculation kit
- shut-off valves

The **MX245/ACS E** and **MX280/ACS E** models represent the ideal solution for the instantaneous production of domestic hot water at high flow rates of up to 85 litres per minute. These wall-mounted modules, designed to perfectly integrate in complex energy systems, offer excellent flexibility and peerless energy efficiency.

- 1.** High flow and responsiveness: thanks to their advanced design, these modules guarantee a continuous and almost instantaneous flow of hot water even with high, simultaneous demands.
- 2.** Multi-energy: designed to work in synergy with different renewable energy sources, such as solar thermal systems, heat pumps and biomass systems.  
These modules actively contribute to the reduction of environmental impact and energy costs.
- 3.** Installation flexibility: the modular configuration and the possibility of cascading make these products extremely versatile, adapting to any dimensional need, allowing the system to be scaled according to needs and eliminating the possibility of a system black-out in case of anomalies.
- 4.** Precise control: the integrated control system ensures accurate regulation of hot water temperature, ensuring maximum comfort and preventing energy waste.
- 5.** Compactness and ease of installation: the small dimensions and low weight make easier the installation and maintenance operations, reducing installation time and costs.

## MX245/ACS E

Module for instantaneous DHW production



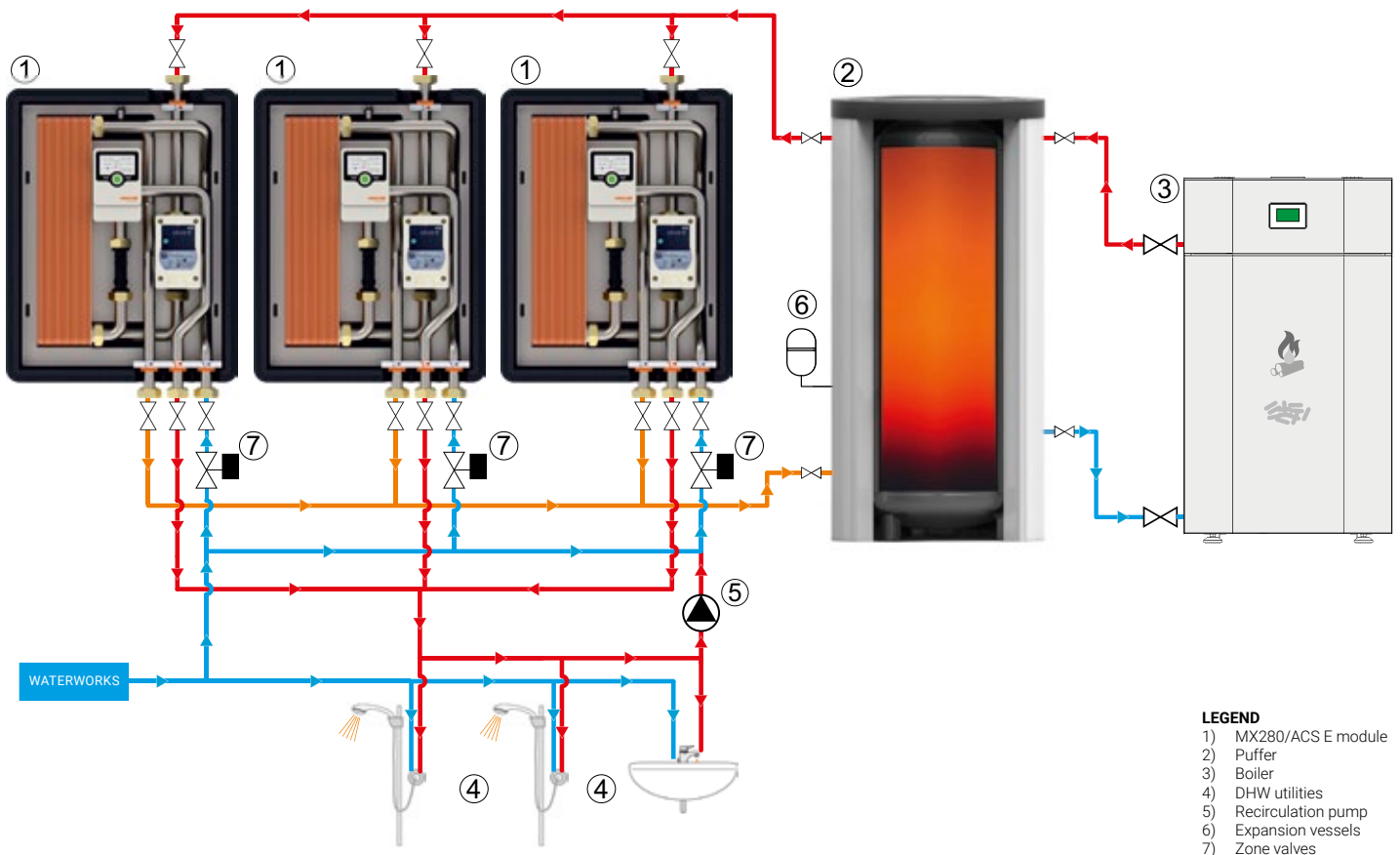
## MX280/ACS E

Module for instantaneous DHW production



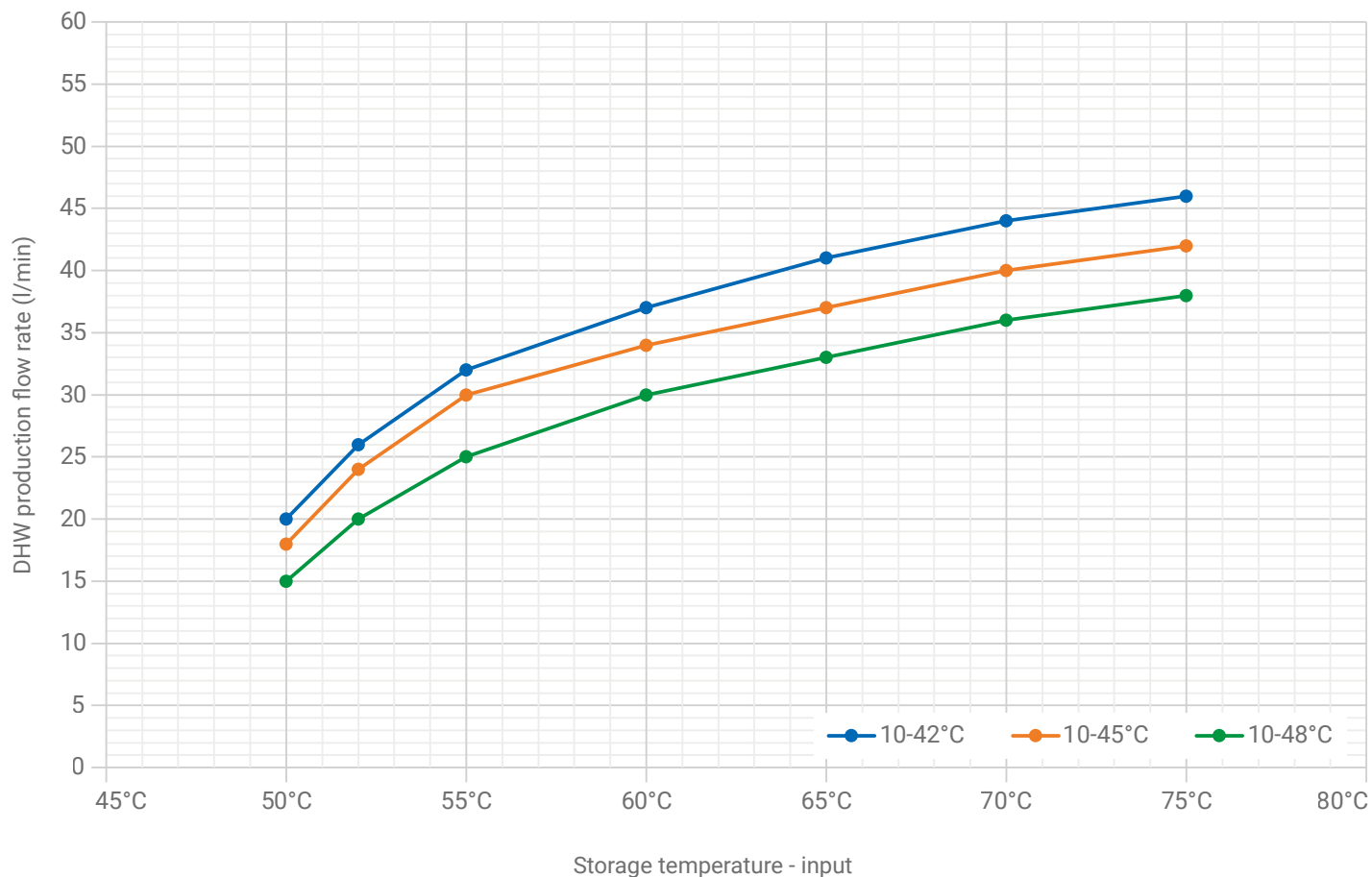
## Installation example

### MX280/ACS E

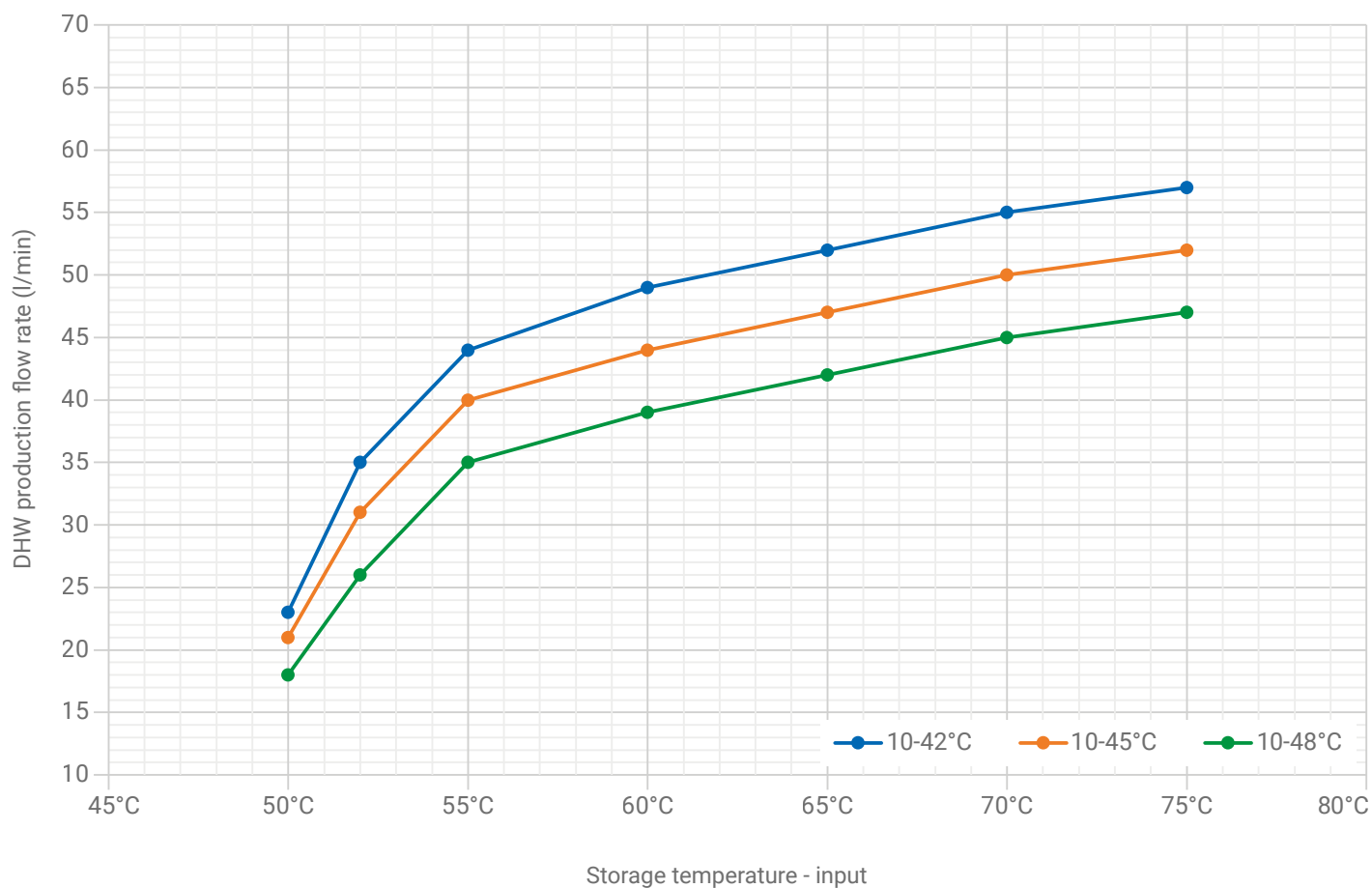


# Performance charts

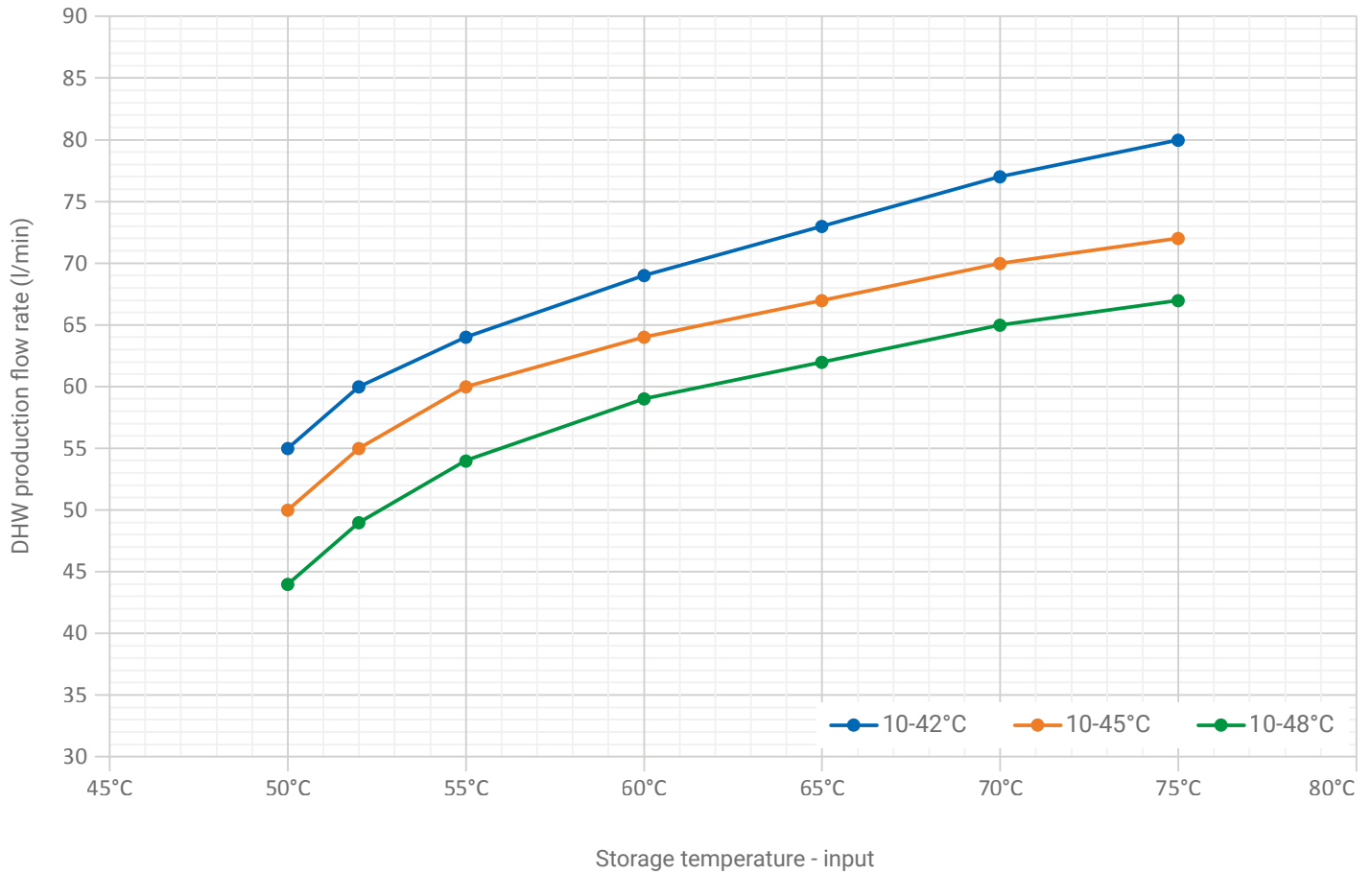
## MX245/ACS E 20 plates - 30 l/min with puffer at 55°C



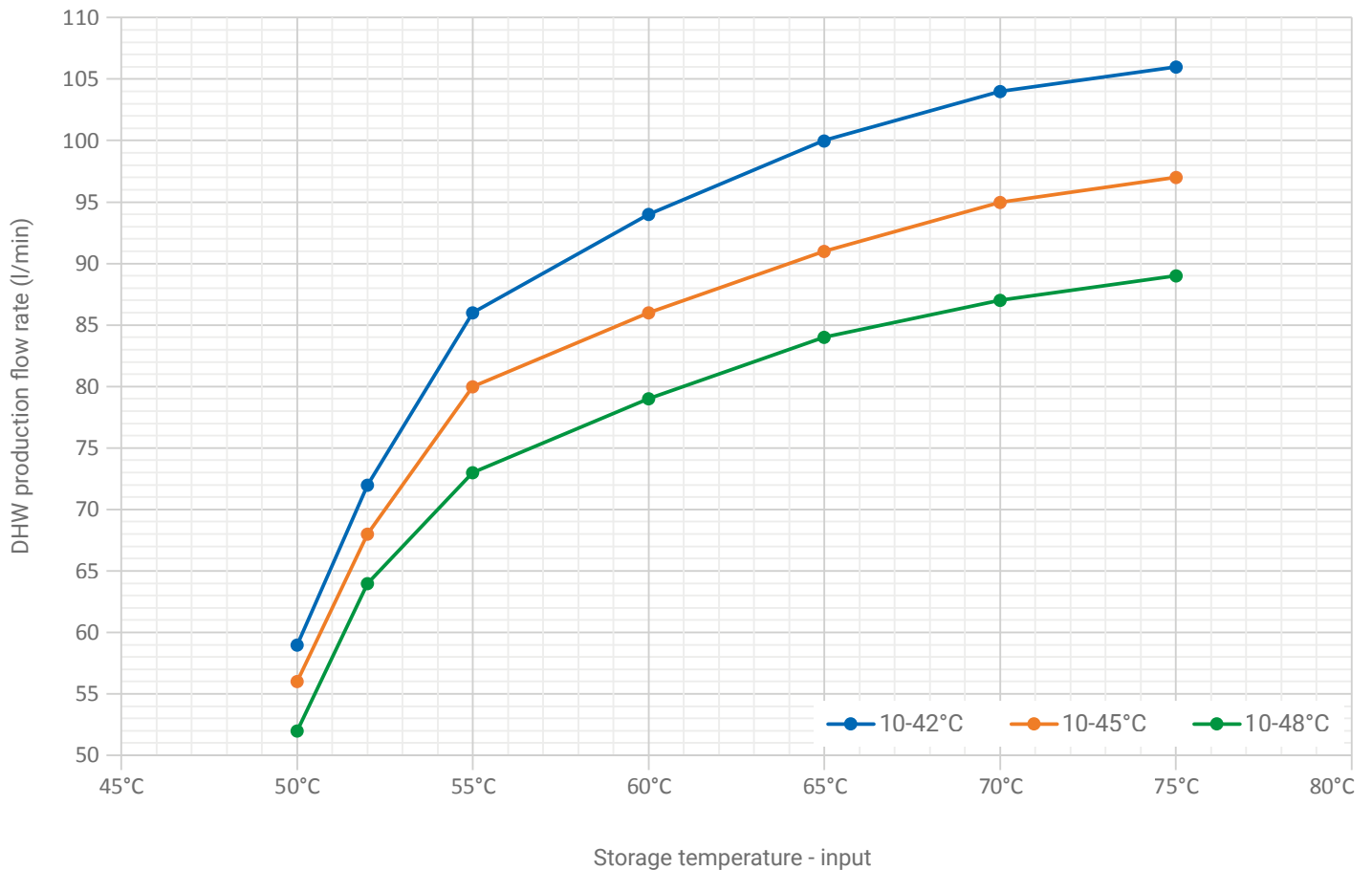
## MX245/ACS E 30 plates - 40 l/min with puffer at 55°C



**MX280/ACS E 40 plates - 60 l/min with puffer at 55°C**



**MX280/ACS E 60 plates - 80 l/min with puffer at 55°C**



# MXB200/ACS E

**MAXIFLAME®**



### All models are equipped with:

- one/two Wilo high-efficiency pumps
- AISI 316L stainless steel exchangers of 50/60/70 plates (with DHW production from 110 to 200 l/min)
- flowmeter
- MaxiFresh electronic control unit
- AISI 316L stainless steel pipes / Steel with 32/40 mm cataphoresis treatment with 1½ / 2' connections

- air vent tap
- shut-off valves.

### Optional:

- cascade installation of up to 4 modules
- external monitoring via Modbus
- recirculation kit.

**MXB200/ACS E** is the ideal solution for the production of instantaneous domestic hot water at high flow rates in large installations. This floor-standing module, designed to guarantee performance and reliability over time, offers excellent flexibility and peerless energy efficiency.

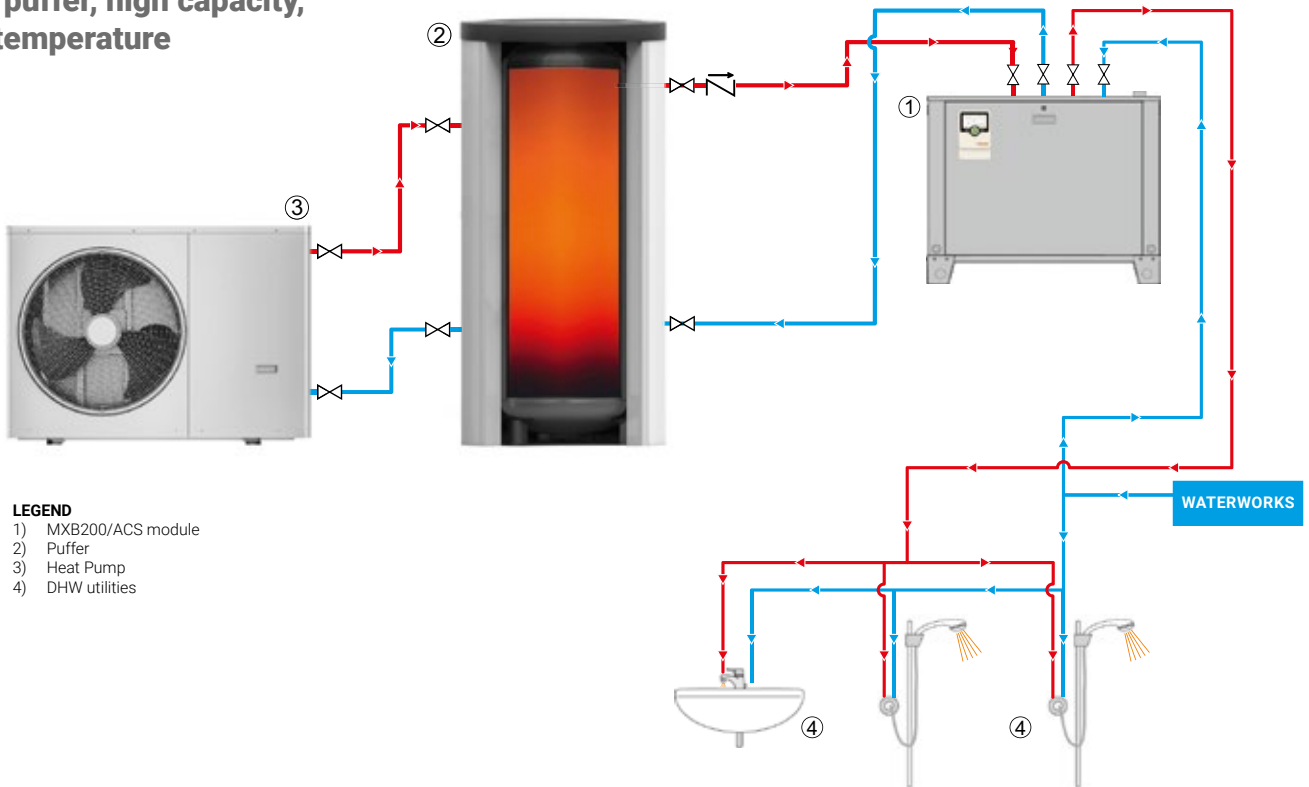
- 1.** High flow rate and responsiveness: ensure a continuous flow of hot water, even with high demands.
- 2.** Integration with energy systems: they work in synergy with inertial storage tanks and renewable sources, optimising consumption.
- 3.** Flexibility: they can be adapted to different system configurations, thanks to modularity and floor-standing installation.
- 4.** Precise control: accurate temperature regulation, avoiding energy waste and ensuring maximum comfort.
- 5.** Robustness and durability: built with high quality materials for reliable long-term operation.

**Benefits for the user:**

- Instant and always available hot water.
- Reduction of energy costs thanks to integration with renewable sources.
- High domestic water quality thanks to instantaneous production.
- Reliability: safe and long-lasting operation.

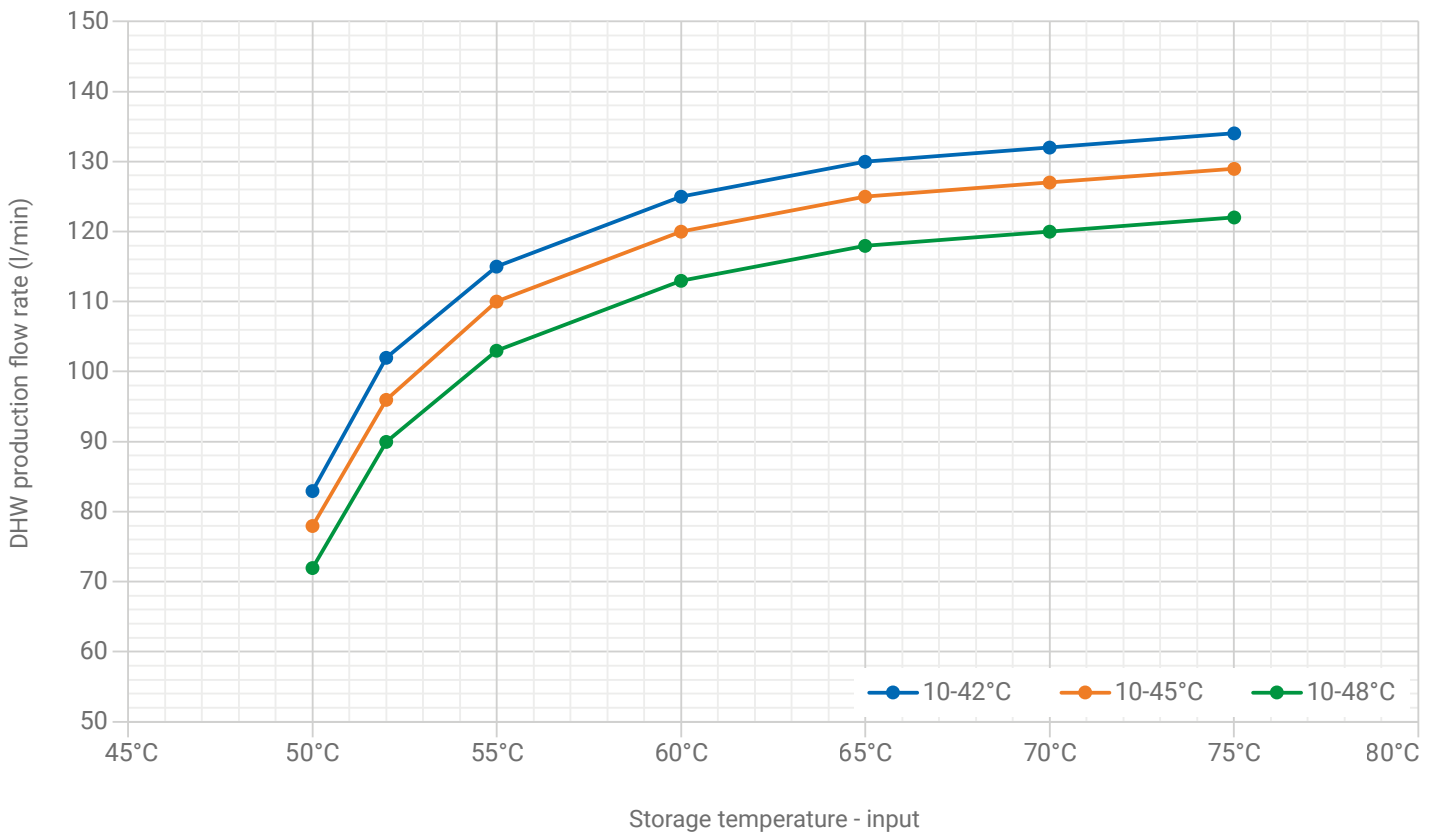
# Installation example

## MXB200/ACS with puffer, high capacity, low temperature

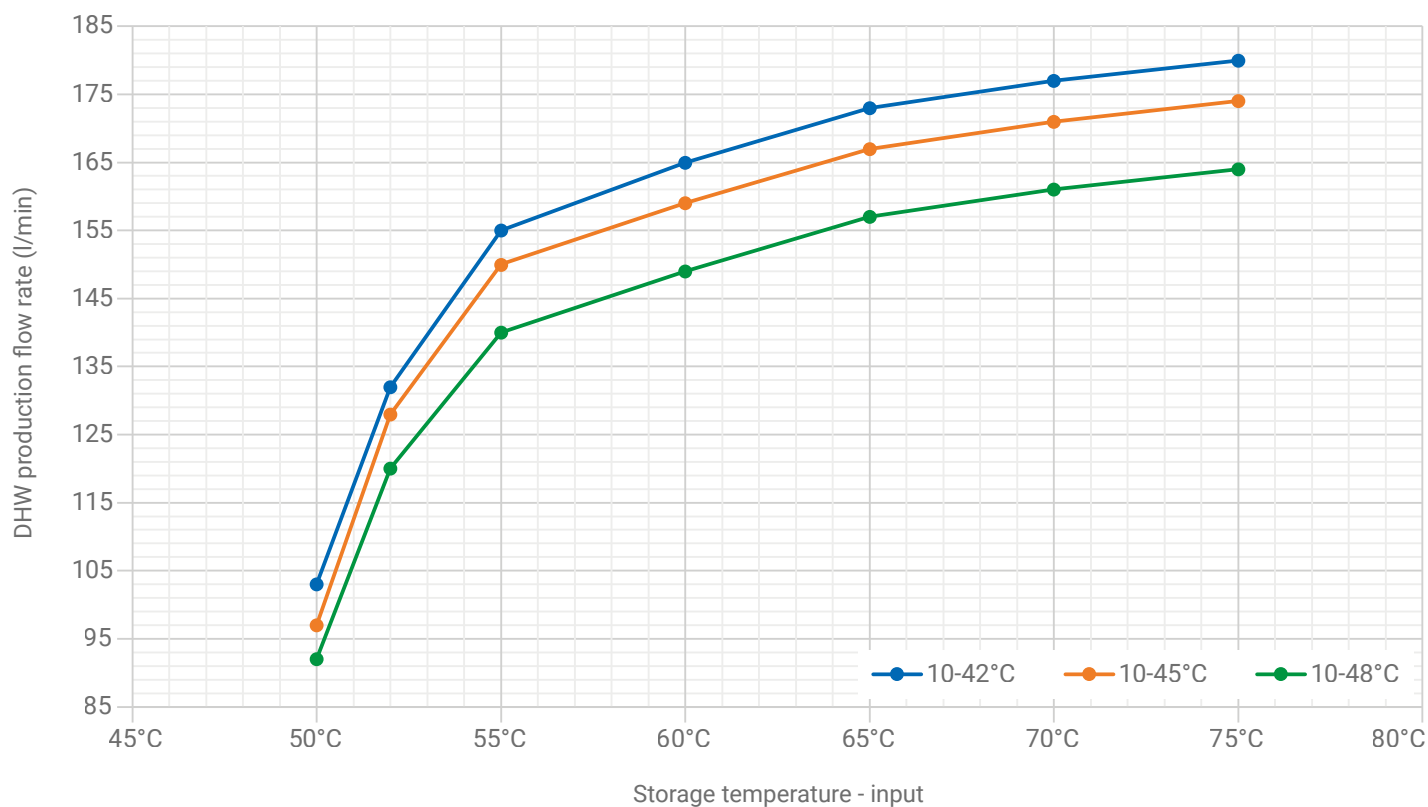


# Performance charts

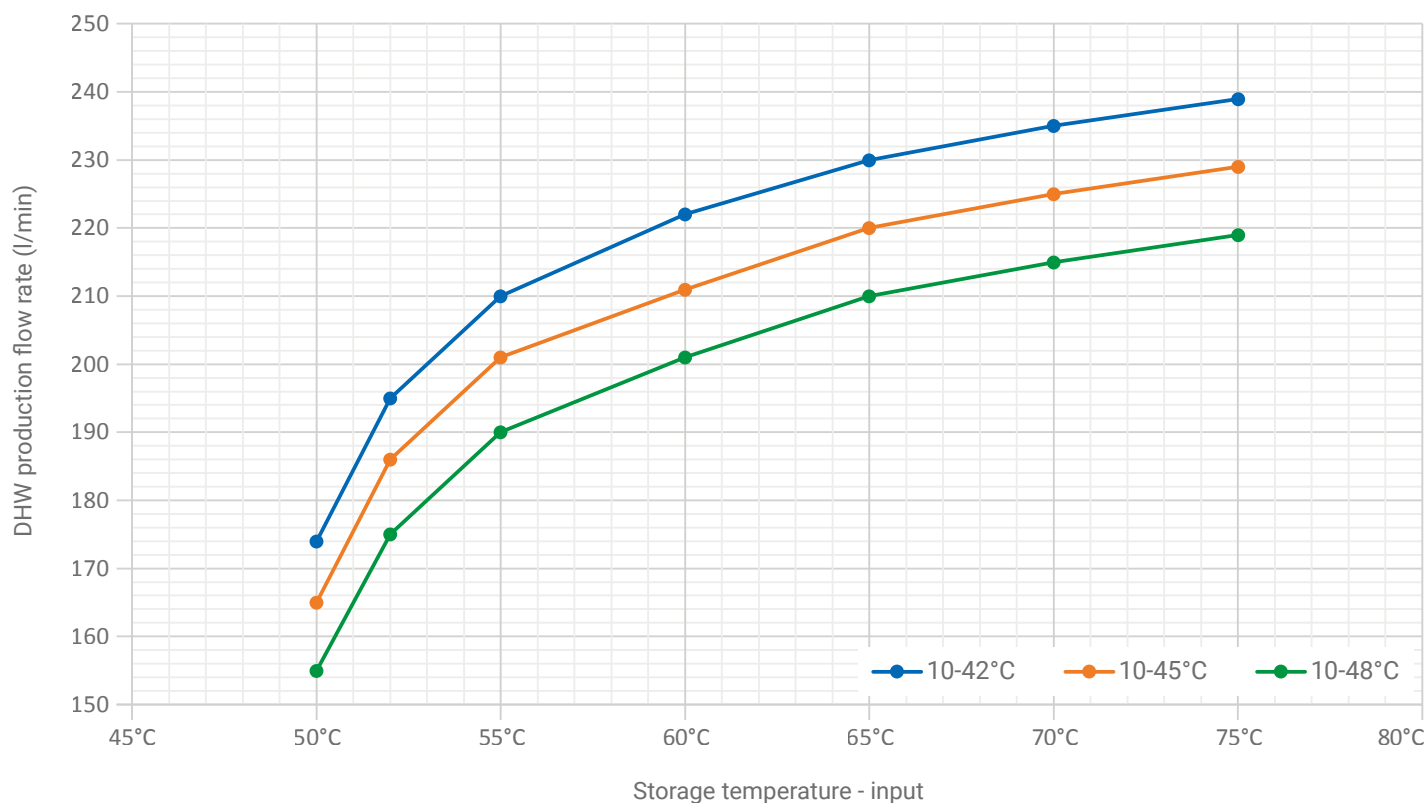
**MXB200/ACS** 50 plates - 110 l/min with puffer at 55°C



**MXB200/ACS** 60 plates - 150 l/min with puffer at 55°C



**MXB200/ACS** 70 plates - 200 l/min with puffer at 55°C





**MX630**  
Module for DHW management



**MX530**  
Module for DHW management



**MX430**  
Kit for DHW management



**QUALITY, INNOVATION AND SAVINGS,**  
OUR GUIDELINES  
FOR **YOUR COMFORT.**

*We manufacture products and we have solutions to meet all your needs*



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