

# AQUAMATIC

HOT WATER IS YOUR NEW WELLNESS



Instant producer  
of sanitary hot water

# Aquamatic

All the water that you need at the temperature you desire the best

AQUAMATIC is the new system for the production of sanitary hot water, combining both the heat buffer storage and hot sanitary water production functions, in an integrated single product.

Designed specifically to address the buffering storage needs in heating plants powered by one or more energy sources (traditional boiler, heat pump, biomass boiler, solar thermal, ..) together with simultaneous and instantaneous domestic hot water production.

The new AQUAMATIC has been designed and realized as a truly integrated system. Each of its components has been specifically designed for it, making of this a truly unique product.

It integrates, in a single unit, both the energy storage element as well as the heat exchange one together with the electronic control functions of the temperature and the flow (including the specific management software).

## The benefits of an integrated solution

The choice of integrating the production of hot water together with the heat storage tank provides a series of new advantages:

✓ **Instant production of sanitary hot water is a warranty toward absolute hygiene: by avoiding any stagnation in the plant, it prevents eventual bacterial proliferation (anti legionella system).**

✓ The "All in" Design allows a quick and easy installation and a consequent reduction of ancillary costs.

✓ The adoption of a highly insulating material prevents any energy losses. The very efficient heat exchange will significantly reduce operating costs.



✓ Its compactness and new design, attractive and elegant, allow its installation both in narrow spaces and even indoors.

✓ The range of available systems offer effective solutions to all types of use, both domestic and commercial.

The AQUAMATIC system is available with various capacities in terms of heat buffering, up to a maximum of 500 liters; this ensures high production of sanitary hot water within reduced dimensions.



# Aquamatic

## New design and excellent performances



### New Design and compact size

**The new line is featuring an innovative aesthetic, a unique design and chromatic finishes making of it a furnishing element.**

All components of the Aquamatic system, (thermo carbon steel accumulation; the heat exchange unit with a plate heat exchanger, circulation pump with variable flow and high efficiency), are placed within a single unit of easy installation even in narrow spaces.

Aquamatic is designed to be easy to inspect and ensure easy access to components and reduced maintenance time.

### Excellent performances for each of the three versions

Aquamatic comes in three versions, ideal for new construction and renovation, and to better answer more effectively to the various needs of users, in residential (homes or buildings with more housing units), commercial and accommodation facilities (farms).

The range includes seven different models that differ between them for the capacity of the thermal storage (200, 300 or 500 l), the presence or absence of supplementary energy sources and for the possibility of their direct control.

**AQUAMATIC** accumulation powered by a single energy source, integrated with the heat exchange element for instantaneous DHW production, high efficiency circulation pump and electronic adjustment control;

**AQUAMATIC PLUS**, this version is designed with a second heat exchanger (coil) allowing the integration of an additional heat source;

**AQUAMATIC SOLAR**, this model is intended for the use and the complete management of an additional source (solar heating, pellet boiler, etc.); in addition to the extra heat exchanger, specifically designed, it further integrates a circulation pump dedicated to the integrative source and a control software designed for its management.



# Aquamatic

ideal for systems powered by multiple energy sources

The solution making the best use of any energy source = more savings.

The design choices and the high efficiency of its heat exchanger do allow significant energy savings and make of it the ideal solution for applications involving: integration with one or more discontinuous energy sources (traditional boiler, biomass boiler, solar thermal), and plants run at low temperatures.

When combined / joined to heat pumps it allows to exploit their use with maximum efficiency.

Each Aquamatic model can be provided with a series of accessories KIT, such as:

- ✓ Supplementary electrical resistance
- ✓ Management KIT for waterfall models
- ✓ Kit for the management of the sanitary recirculation pump
- ✓ Mixing valves to control the temperature on the primary side
- ✓ Mixing and diverting valves to guarantee the best exploitation of the internal stratification to the tank and for the optimal functioning of the heat pump combined.
- ✓ Connectivity: possibility to manage and control via remote Aquamatic



The electronic control, paired with an external graphic display simple to read, allows everyone to easily manage the settings as preferred: the hot water output temperature and the parameters needed to cope with the different daily needs.



		AQUAMATIC		
		200	300	500
Electric power supply	V/Ph/Hz	230/1/50		
Power consumption min/max	W	25/75 W		
Electricity consumption min/max	A	0,14/0,53		
Absorbed power min/max Solar version	W	27/127		
Absorbed electricity min/max Solar version	A	0,18/1,05		
Residual primary circuit pressure head	mca	2,0		
Minimum ignition capacity a.c.s.	l/min	2		
Maximum capacity a.c.s.	l/min	35		
Maximum operating pressure	bar	6		
Maximum operating temperature	°C	95		
Holding capacity	l	199	290	480
Deliverable flow rate (*)	l/m	18,5	18,5	18,5
Deliverable Liters (*)	l	153	214	337
Empty weight	kg	75	89	116
Empty weight for the Plus version	kg	-	96	131
Empty weight for the Solar version	kg	-	101	136
Sound pressure level at 1 m	dB(A)	25		
Dispersing losses (**)	W	59	68	80
Energy efficiency class		B	B	B
Electronic pump speed setting		●		
Graphic Display		●		
Temperature setting of DHW use		●		
Management possibility for anti-Legionella treatments		●		
Resistance management Kit		optional		
Waterfall management Kit		optional		
Mixing management kit for primary circuit		optional		
Stratification management kit		optional		
Recirculation Pump management Kit		optional		

(\*) Working condition according to law EN 16417 (ACS 42°C, storage 50°C)

(\*\*) Working condition according to UE regulation N. 812/2013 e N. 814/2013 (environment air 20°C, storage 65°C)

# Technical data

Capacity, connections, size

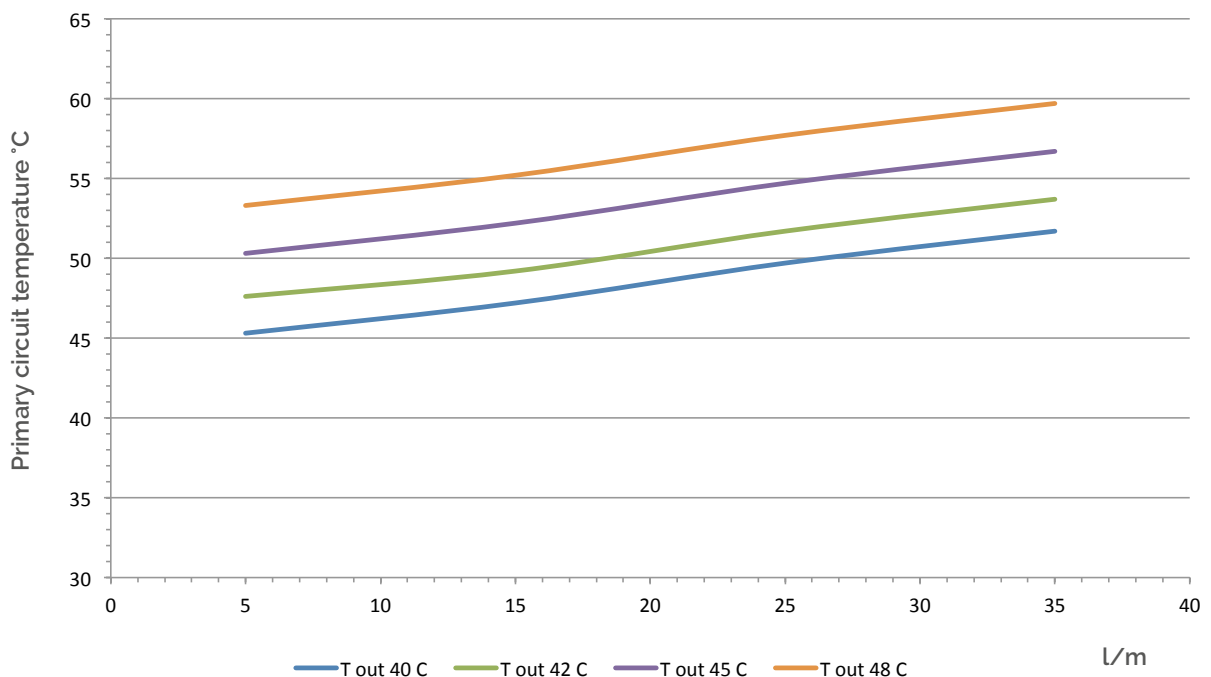
Performance and heat outputs



description	capacity			connections		
	liters	A	B	domestic	primary	plant
AQUAMATIC 200	<b>200</b>	710	1315	3/4"	1"	1"
AQUAMATIC 300	<b>300</b>	710	1690	3/4"	1"	1"
AQUAMATIC 500	<b>500</b>	850	1740	3/4"	1 1/4"	1 1/4"
AQUAMATIC "Plus" 300	<b>300</b>	710	1690	3/4"	1"	1"
AQUAMATIC "Plus" 500	<b>500</b>	850	1740	3/4"	1 1/4"	1 1/4"
AQUAMATIC "Solar" 300	<b>300</b>	710	1690	3/4"	1"	1"
AQUAMATIC "Solar" 500	<b>500</b>	850	1740	3/4"	1 1/4"	1 1/4"

description	primary pump	primary exchanger	electronic regulation	supplementary exchanger	supplementary circuit pump
AQUAMATIC 200	✓	✓	✓		
AQUAMATIC 300	✓	✓	✓		
AQUAMATIC 500	✓	✓	✓		
AQUAMATIC "Plus" 300	✓	✓	✓	✓	
AQUAMATIC "Plus" 500	✓	✓	✓	✓	
AQUAMATIC "Solar" 300	✓	✓	✓	✓	✓
AQUAMATIC "Solar" 500	✓	✓	✓	✓	✓

## AQUAMATIC performances





Fiorini Industries S.r.l.  
Tel. +39 0543 723197 – Fax +39 0543 720413  
Via Zampeschi 119 – 47122 Forlì (FC)  
P.IVA 03948070408