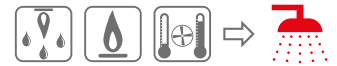


# ACQUAMAS® 1

Thermal storage with ACQUAMAS® MODULE  
FOR INSTANTANEOUS PRODUCTION OF DHW SPECIFIC FOR HEAT PUMPS



### APPLICATION

Stratified storage of technical water, for instantaneous production of domestic hot water (DHW) with high flow rates and efficiency in systems with low temperature generators such as heat pumps (HP).

### MATERIAL

Mild steel, painted externally and untreated internally.

### INSTANTANEOUS DHW PRODUCTION MODULE:

External ACQUAMAS® MODULE with 316L stainless steel plate heat exchanger for instantaneous production of domestic hot water (DHW), equipped with electronic control unit.

### INSULATION

Thermal storage: High thermal insulation with ecological polyurethane hard foam.

ACQUAMAS® MODULE: contained within the EPP structure, with the function of housing and insulation.

Grey PVC external lining.

### TECHNICAL DESCRIPTION

ACQUAMAS® thermal storage, specific for the accumulation of the heat produced by the thermal system and the instantaneous production of DHW, therefore without accumulation of domestic hot water, with the following advantages:

- ease of maintenance
- maximum hygiene in anti-legionella function.

### WARRANTY

5 years (tank). See general sales conditions and warranty for electrical parts



IMMEDIATE  
DHW  
PRODUCTION

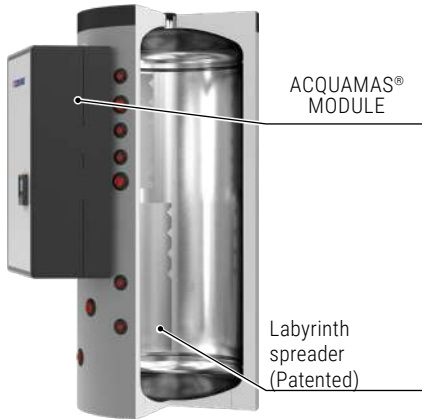


## ACQUAMAS® 1

ENERGY  
EFFICIENCY  
CLASS



Model	ACQUAMAS® MODULE (with stainless steel brazed plates)	HARD FOAM INSULATION	
		Art. Nr.	
<b>500</b>	120	3251162314850	<b>C</b>
<b>600</b>		3251162314851	<b>C</b>



ACQUAMAS®  
MODULE


Labyrinth  
spreader  
(Patented)

PATENTED


Model	DHW module	DHW production (10-45°C) with accumulation at 60°C	Maximum availability of DHW (10- 45°C) with accumulation at 80°C
		[lt/min]	[lt]
<b>500</b>	ACQUAMAS® MODULE	40	570
<b>600</b>		40	670

## ACCESSORIES


### Thermometer

Art. Nr.	
5032240000107	
5 units box	

### Recirculation kit

Art. Nr.	
5221000000073	
DHW recirculation group	

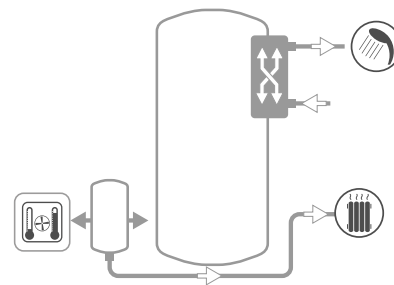
### Buffer tanks connecting kit

Art. Nr.	Connection	
5006170001001	1" 1/2	
Stainless steel extensible connecting kit - (200 ÷ 400 mm)		

# ACQUAMAS® 1

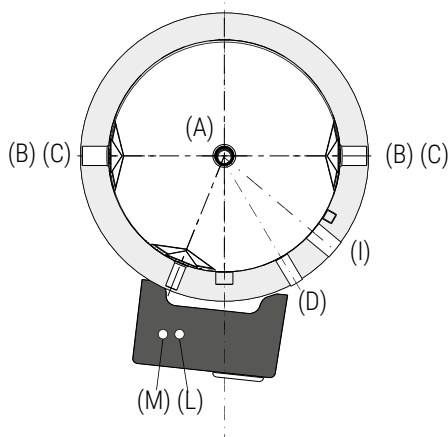
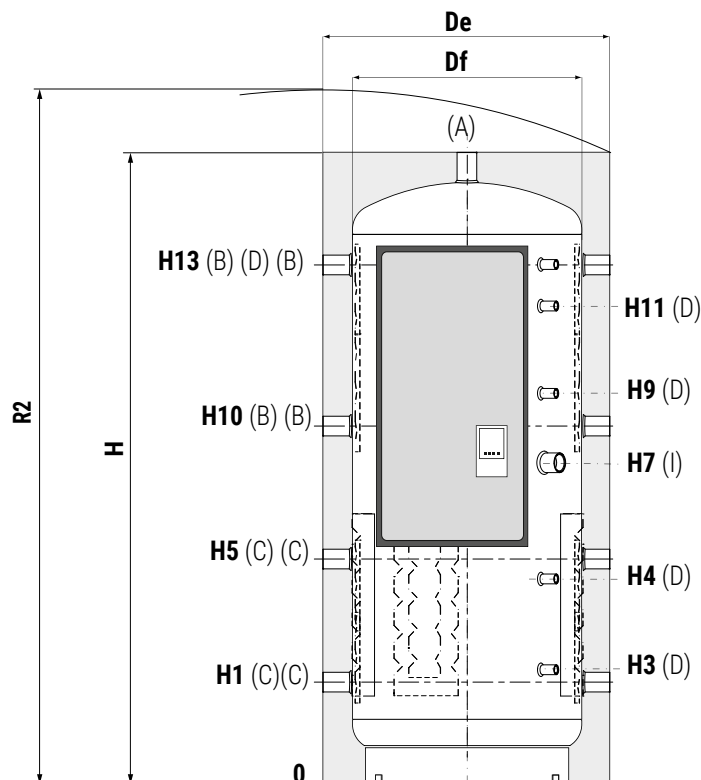
THERMAL STORAGE WITH ACQUAMAS® MODULE  
 FOR INSTANTANEOUS PRODUCTION OF DHW SPECIFIC FOR HEAT PUMPS

STORAGE		HEAT EXCHANGER STAINLESS STEEL PLATES (MACS®)		DHW HARDNESS
Pmax	Tmax	Pmax	Tmax	F max
3 bar	99 °C	8 bar	99 °C	30 °f



See TECHNICAL SUPPORT chapter for example of installation

<b>A</b>	From generator/Air purge 1"1/2 G F
<b>B</b>	From the generator 1"1/2 G F
<b>C</b>	To the generator 1"1/2 G F
<b>D</b>	Probe 1/2" G F
<b>I</b>	Connection for electric immersion heater 1"1/2 G F
<b>L</b>	Domestic hot water outlet 1" G M
<b>M</b>	Domestic cold water circuit inlet 1" G M

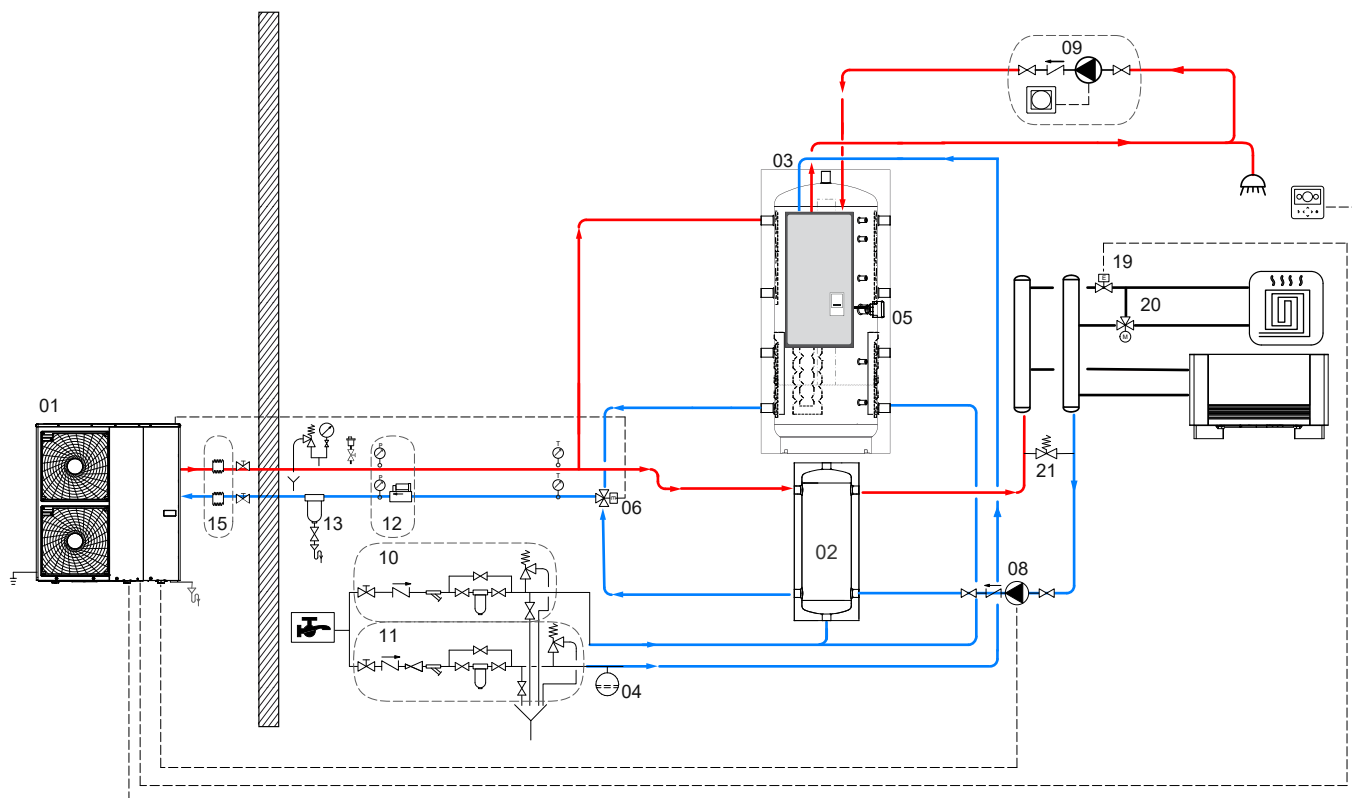


## ACQUAMAS® 1

Model	Volume [lt]	De	Df	H	R2	H1	H3	H4	H5	H7	H9	H10	H11	H13
<b>500</b>	478	750	650	1619	1785	247	360	425	533	870	1025	1011	1130	1343
<b>600</b>	560	750	650	1870	2015	247	360	582	695	970	1200	1144	1485	1593



### EXAMPLE OF INSTALLATION WITH ACQUAMAS® 1



1	Heat Pump
2	Heating/cooling buffer tank Buffer tank PDC
3	Thermal storage ACQUAMAS® 1
4	Expansion Vessel
5	DHW Electric Resistance
6	3-way motorized valve
8	Circulation group
9	DHW Recirculation Kit
10	Compulsory components for the compliance of Sanitary Water with current regulations (Legislative Decree 31/2001, UNI 8065/2019, etc) and with the system requirements for the warranty conditions.
11	Compulsory components for the compliance of the System Water with the regulations in force (Legislative Decree 31/2001, UNI 8065/2019, etc) and with the system requirements for the warranty conditions.
12	Flow meter or pair of pressure gauges
13	Magnetic dirt separator
15	Anti-vibration joints
19	Zone valve
20	Low Temperature System Mixing
21	By-pass valve

The following schemes are purely illustrative. To realize the installation, always refer to a qualified technician.

# ACQUAMAS® 1

MAXIMUM DHW FLOW RATE THAT CAN BE PRODUCED WITH COLD SANITARY WATER AT 10 °C



## ACQUAMAS® MODULE FOR INSTANT PRODUCTION OF DHW

- 2-40 LITERS/MINUTE
- BRAZED PLATES EXCHANGER IN STAINLESS 316L
- STAINLESS DHW FITTINGS
- ELECTRONIC MANAGEMENT UNIT

