

SAF



Thermal Buffer tank kit with instantaneous Domestic Hot Water production

VMF SYSTEM ACCESSORIES



VMF-E5N / VMF-E5B



Standard Version



Version with an additional coil for the integration

- **VARIOUS VERSIONS THAT MAKE OPTIMUM USE OF THE DIFFERENT ENERGY SOURCES**
- **EASE OF INSTALLATION, EVEN IN CONFINED SPACES**

DESCRIPTION

SAF are the new thermo-buffer for the instantaneous production of domestic hot water (DHW).

They integrate both the energy storage element and the heat exchanger, along with the control functions, into a single unit. The hot water is taken from the water main and heated instantaneously by means of a plate heat exchanger in stainless steel: the separation between the drinking water circuit and the water contained in the accumulator ensures maximum hygiene. IN this way, the benefits of instant production are combined with those associated with buffer production. These devices are specifically designed and manufactured to be combined with heat pumps but also with traditional or biomass boilers, solar thermal systems and other renewable sources.

Versions

- **SAF_°:** Thermal Buffer powered by a single energy source. Equipped with plate heat exchanger for instantaneous production of DHW, high-efficiency circulator inverter and printed circuit board (PCB).
- **SAF_S:** The Thermal Buffer is set up for use and for complete management of an additional source (solar heating, boiler, etc.); in addition to the specially-designed extra coil, the system also includes a circulator dedicated to the supplementary source, along with control software designed to manage this
- **SAF_T:** Thermal Buffer with an additional coil for the integration of an auxiliary energy source.

In addition to these versions, an supplementary heater (accessory) is also provided to respond to increased heating requirements

FEATURES

- The SAF system is available with a range of thermo-accumulators with different capacities, (200-300-500l), in order to meet a whole host of different DHW requirements
- The high-efficiency insulation prevents energy losses, to the advantage of the heat exchanger, allowing for significant reductions in running costs.
- The compactness and the new elegant and attractive design mean that it can be installed in restricted spaces, including those indoors.

ACCESSORIES

- **VTV160:** 3-way diverter sector valve, complete with 2-point actuator, (kvs = 16).
- **MOD485K:** RS-485 interface for supervising systems with MODBUS protocol.
- **MODU-485BL:** RS-485 interface for supervising systems with MODBUS protocol.
- **VMF-E5:** recessed panel with backlit graphic LCD display and capacitive keypad, for centralised command/control of a complete hydronic system.
- **KRX-SAF:** supplementary electric heater with thermostat control from 1200W 230V/1/50Hz with connexion of 1" 1/2

Compatibility with the vmf system. for further information about the system see the specific documentation.

INTEGRATION OF SAF WITH AERMEC HEAT PUMPS AND COMPATIBILITY WITH OTHER ACCESSORIES

Heat pumps	Size	Vers.	note	MANDATORY Accessories				RECOMMENDED accessories	
				SAF	MOD485K	MODU485-BL*	VMF-E5	VTV160	KRX-SAF
ANL	020-202	H		•	•	•	•	•	•
ANLI	021-101	all	(1)	•	-	-	-	•	•
ANK	020-150	all		•	•	•	•	•	•
NRK	090-150	all		•	•	•	•	•	•
CL	025-200	H		•	•	•	•	•	•
ANKI	020-080	all	(1)	•	-	-	-	•	•
WRL	026-161	H	(1)	•	-	-	-	•	•
WRL	026-161	HT	(1)	•	-	-	-	-	•

(1) Range designed for the management domestic hot water: MOD485K and VMF-E5 accessories not required

* To be installed on board of the heat pump

- Component not required

CHOICE OF UNIT

By suitably combining the numerous options available, it is possible to configure each model in such a way as to meet the most specific system requirements.

Field	Code
1,2,3	SAF
4,5,6	Size 200-300-500
7	Version ° Standard S With supplementary energy source management (2) T Set up for use with supplementary energy source (2)
8,9	fields for future development ° °

(2) Version not available for size 200

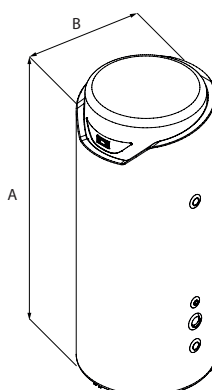
TECHNICAL DATA

		200	300	500	300T	500T	300S	500S
	V/ph/Hz				230V/1/50Hz			
Actual volume (technical water)	l	199	290	480	279	465	279	465
Drinking water content	l				0,85			
Coil water content	l	-	-	-	10	13	10	13
Maximum operating pressure	bar				6			
Losses through dispersion	W	59,0	68,0	80,0	68,0	80,0	68,0	80,0
Energy efficiency class	(3)(4)	-			B			
DHW minimum flow rate	l/min				2,0			
DHW maximum flow rate	l/min				35,0			
Maximum operating temperature	°C				95,0			
Sound pressure level	dB(A)				25			
Electrical Data								
Minimum input power	W	25	25	25	25	25	27	27
Maximum input power	W	75	75	75	75	75	127	127
Minimum input current	A	0,14	0,14	0,14	0,14	0,14	0,18	0,18
Maximum input current	A	0,53	0,53	0,53	0,53	0,53	1,05	1,05

(3) In accordance with Standard UNI EN 16147:2011

(4) In accordance with Delegated Regulation 812/2013

DIMENSIONS



		200	300	500	300T	500T	300S	500S
A x B	mm	1315x710	1690x710	1740x850	1690x710	1740x850	1690x710	1740x850
Weight without water	kg	75	89	116	96	131	101	136
Weight with water	kg	275	389	616	396	631	401	636

Aermec reserves the right to make any modifications deemed necessary.

All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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