SAF

Thermal Buffer tank kit with instantaneous Domestic Hot Water production

- **Various versions that make optimum use of the different energy sources**
- **Ease of installation, even in confined spaces**
- **Installing the indoor unit**

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

° Standard
S With supplementary energy source management
T Set up for use with supplementary 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, in indoor environments.

ACCESSORIES

KRX-SAF: Supplementary electric heater with thermostat control from 1200W 230V/1/50Hz with connexion of 1" 1/2.
VT: Anti-vibration supports.

Accessories compatibility

Heat pump	Sizes	Version		Accessories mandatory				Recommended	
				SAF	MOD485K	MODU485-BL*	VMF-E5	VTV160	KRX-SAF
ANL	021-203	H°-HP		•	•	•	•	•	•
ANLI	101	H°-HP-HX	(1)	•	-	-	-	•	•
ANK	020-150	H°-HP		•	•	•	•	•	•
NRK	090-0150	00-P1-P3		•	•	•	•	•	•
CL	025-200	H°-HP		•	•	•	•	•	•
ANKI	020-080	H°-HX	(1)	•	-	-	-	•	•
WRL	026-161	H°	(1)	•	-	-	-	•	•

* To be installed on board of the heat pump.
(1) Units designed for the management domestic hot water: MOD485K and VMF-E5 accessories not required.
It is recommended not to combine the SAF with units with storage tank.

CONFIGURATOR

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

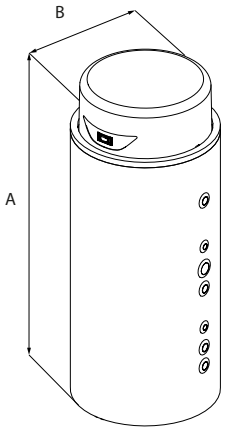
(1) Version "S-T" not available for size 200

PERFORMANCE SPECIFICATIONS

		SAF200	SAF300	SAF300T	SAF300S	SAF500	SAF500T	SAF500S
Power supply								
Power supply					230V~50Hz			
Accumulation inertial								
Storage tank capacity	l	199	290	279		480	465	
Drinking water content	l	0,85	0,85	0,85	0,85	0,85	0,85	0,85
Coil water content	l	-	-	10	10	-	13	13
Maximum operating pressure	bar	6	6	6	6	6	6	6
Losses through dispersion	W	59		68			80	
Energy efficiency class (1)	type				B			
DHW minimum flow rate	l/min	2	2	2	2	2	2	2
DHW maximum flow rate	l/min	35	35	35	35	35	35	35
Maximum operating temperature	°C	95	95	95	95	95	95	95
Electric data								
Minimum input power	W	25	25	25	27	25	25	27
Maximum input power	W	75	75	75	127	75	75	127
Minimum input current (2)	A	0,14	0,14	0,14	0,18	0,14	0,14	0,18
Maximum input current	A	0,53	0,53	0,53	1,05	0,53	0,53	1,05

(1) In accordance with Standard UNI EN 16147:2011 and in accordance with Delegated Regulation 812/2013 and 814/2013
(2) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

DIMENSIONS



		SAF200	SAF300	SAF300T	SAF300S	SAF500	SAF500T	SAF500S
Dimensions and weights								
A	mm	1315	1690	1690	1690	1740	1740	1740
B	mm	710	710	710	710	850	850	850
Empty weight	kg	75	89	96	101	116	131	136
Weight functioning	kg	275	389	396	401	616	631	636

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