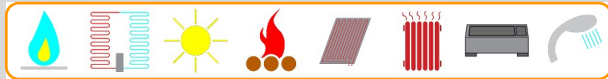


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SCAMBIATORI - BOLLITORI - SERBATOI



TANKO FAST + TWIN



BUFFER AND HOT WATER STORAGE COMBO
WITH EXTERNAL STATION FOR INSTANT DHW PRODUCTION

BUFFER AND HOT WATER STORAGE COMBO WITH EXTERNAL STATION FOR INSTANT DHW PRODUCTION

Combined solution comprising a hot water storage tank stacked on top of a smaller buffer vessel for hot & cold water inertial storage. An electronically controlled fresh water station is attached and connected to the hot water storage tank to produce DHW instantly. This combo system is specifically designed for connection to Heat Pumps.

TANKO-G FAST+ TWIN combines two storage tanks in one unit:

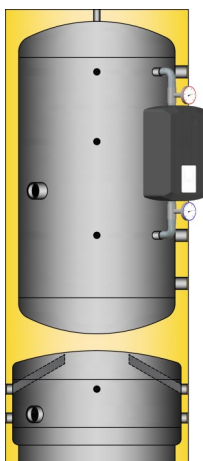
- the lower carbon steel buffer vessel works as a thermal inertia during both winter and summer operation, optimising compressor start-ups
- the upper carbon steel hot water storage tank is combined with the ASAP fresh water station to meet all system requirements, even in multi energy source systems, ensuring the correct supply of Domestic Hot Water even at lower storage temperatures.

The automatic adjustment of the electronic circulator's flow rate allows for a constant temperature supply in line with user demand and the temperature of the stored water .

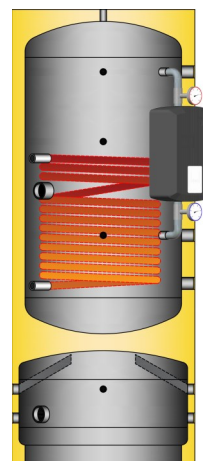
TANKO-1 FAST+ TWIN version is provided with a large surface area built-in coil enabling connection to an additional supplementary energy source via heat transfer.

The rigid polyurethane insulation with PVC cladding, provides excellent insulation for both storage tanks, ensuring low heat loss and preventing condensation from forming on the lower tank during summer cooling.

CONTRUCTIONS



TANKO-G FAST+ TWIN



TANKO-1 FAST+ TWIN

TANK MATERIAL	Carbon steel	Carbon steel
SPIRAL COIL MATERIAL	—	Carbon steel
INTERNAL SURFACE STEEL TREATMENT	—	—
EXTERNAL SURFACE STEEL TREATMENT	Anti-rust primer	Anti-rust primer
UPPER TANK CAPACITY - LITRE	400	400
LOWER TANK CAPACITY - LITRE	140	140
VERSION	Vertical	Vertical
CONNECTION TYPE	Threaded	Threaded
INSULATION	Hard foam polyurethane 55 mm injected	Hard foam polyurethane 55 mm injected
CLADDING	Light grey PVC - RAL7035	Light grey PVC - RAL7035

Energy efficiency class—Regulation EU 812/2013 & 814/2013 | European Directive 2009/125/CE

		Capacity		400/140
TANKO-G FAST TWIN	Energy efficiency class			C
	Standing loss	S	W	88
	Storage volume	V	L	532
TANKO-1 FAST TWIN	Energy efficiency class			C
	Standing loss	S	W	88
	Storage volume	V	L	540

STANDARD WORKING CONDITIONS - BUFFER VESSELS

	Capacity - L	400	140
Buffer vessel working pressure	bar	ATM ÷ 6	ATM ÷ 3
Buffer vessel working temperature	°C	AMB ÷ 85	-10 ÷ 95
Spiral coil working pressure	bar	ATM ÷ 10	
Spiral coil working temperature	°C	AMB ÷ 110	

REGULATORY COMPLIANCE - BUFFER VESSELS

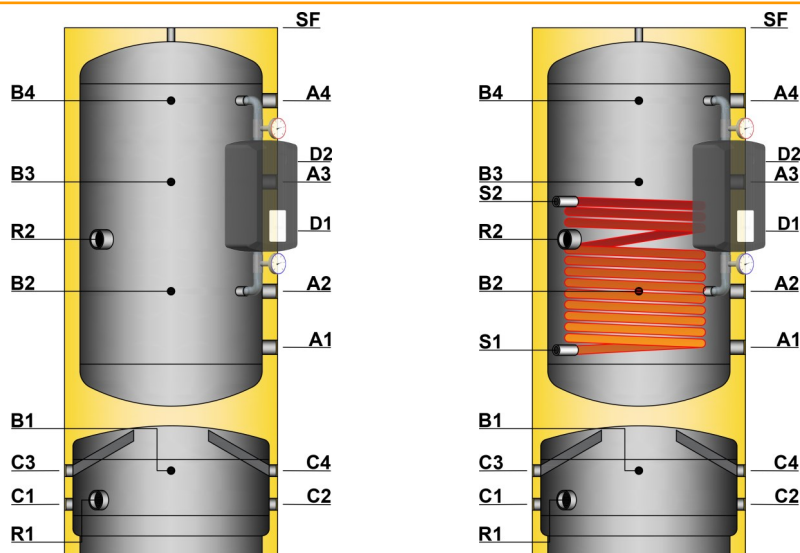
ErP - Reg. 812/2013 e Reg. 814/2013 | CE
 European Pressure Equipment Directive (PED) 2014/68/UE |
 Sound Engineering Practice - excluded from CE marking - Art. 4.3

STANDARD WORKING CONDITIONS - FRESH WATER STATION

DHW working pressure	bar	ATM ÷ 10
DHW working temperature	°C	AMB ÷ 65
Heating circuit working pressure	bar	ATM ÷ 10
Heating circuit working temperature	°C	AMB ÷ 85

REGULATORY COMPLIANCE - FRESH WATER STATION

D.M. 174/04 | Suitable for contact with water for human consumption
 European Pressure Equipment Directive (PED) 2014/68/UE |
 Sound Engineering Practice - excluded from CE marking - Art. 4.3



GENERAL CHARACTERISTICS

DIMENSIONS

Diameter without insulation	mm	650
Diameter with insulation	mm	760
Maximum height	mm	1890
Overturning height with insulation	mm	2037

WEIGHT

Empty weight mod. TANKO-G FAST+ TWIN	kg	145
Empty weight mod. TANKO-1 FAST+ TWIN	kg	170

		UPPER BUFFER VESSEL		LOWER BUFFER VESSEL
Capacity - L		400		140
CONNECTIONS		H from ground Ø		
A1	Spare fitting	mm Ø	750 1"¼	
A2	Spare fitting	mm Ø	950 1"¼	
A3	Spare fitting	mm Ø	1340 1"¼	
A4	Spare fitting	mm Ø	1630 1"¼	
B1	Sensor	mm Ø		310 ½"
B2	Sensor	mm Ø	950 ½"	
B3	Sensor	mm Ø	1340 ½"	
B4	Sensor	mm Ø	1630 ½"	
C1-C2	Spare fitting	mm Ø		190 1"
C3-C4	Spare fitting	mm Ø	310 1"	310 1"
D1	Fresh water supply	mm Ø	1150 ¾"M	
D2	Domestic Hot Water return	mm Ø	1430 ¾"M	
R1	Immersion electric heater	mm Ø		205 2"
R2	Immersion electric heater	mm Ø	1145 2"	
S1	Spiral coil return	mm Ø	740 1"	
S2	Spiral coil supply	mm Ø	1270 1"	
SF	Air vent	mm Ø	2037 ½"	

HEAT EXCHANGER PERFORMANCES

Lower Heat Exchanger Heating surface area	m²	1,8
Lower Heat Exchanger output (Primary 80/60°C - buffer)	kW	16,6

FRESH WATER STATION PERFORMANCES - ASAP-30

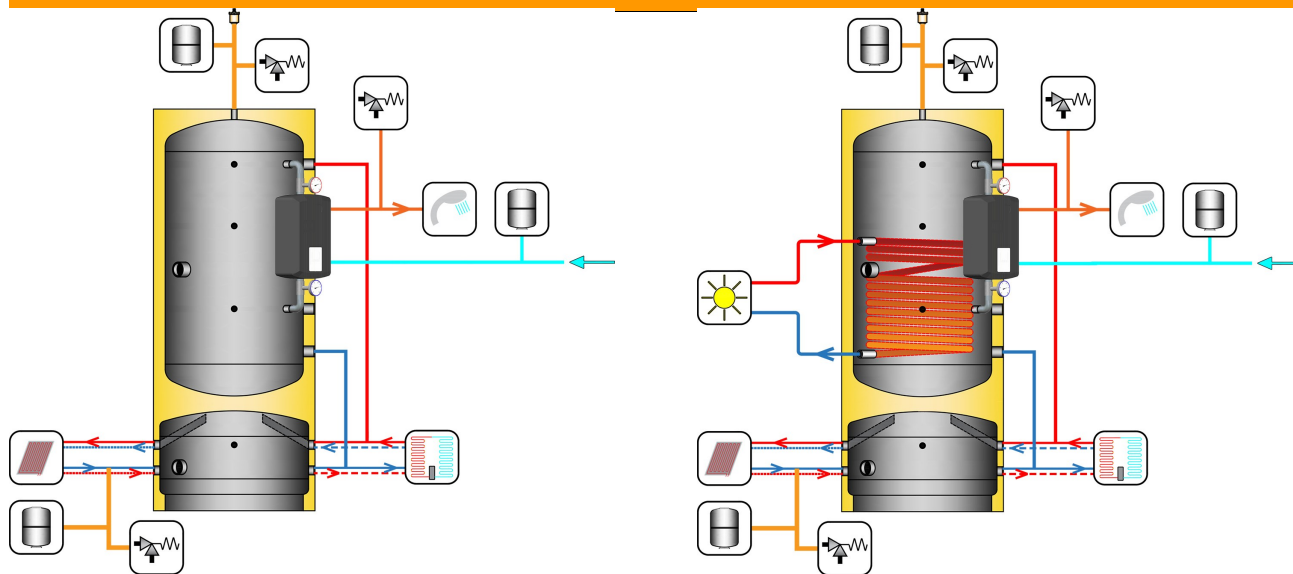
DHW production (10-45)°C with buffer tank at 50°C	l/min	16
DHW production (10-45)°C with buffer tank at 60°C	l/min	25
DHW production (10-45)°C with buffer tank at 70°C	l/min	33

FRESH WATER STATION PERFORMANCES - ASAP-40

DHW production (10-45)°C with buffer tank at 50°C	l/min	21
DHW production (10-45)°C with buffer tank at 60°C	l/min	35
DHW production (10-45)°C with buffer tank at 70°C	l/min	46

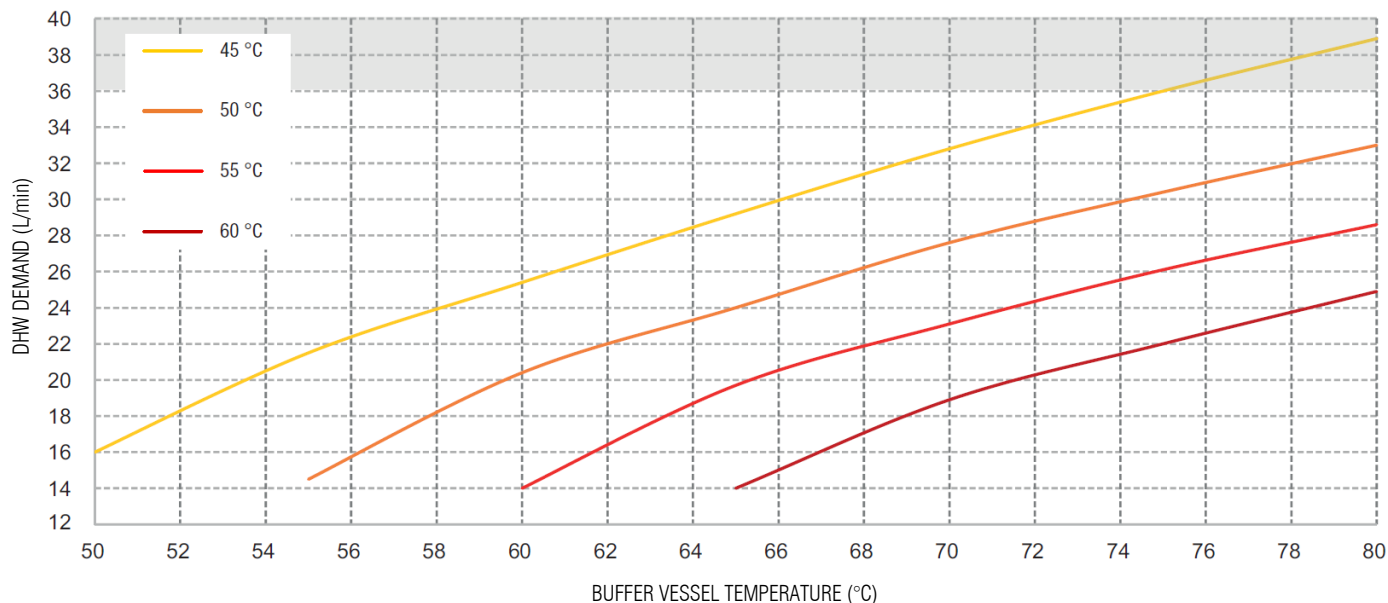
Note: All the measurements of the connections are considered "from the ground". The thread are female GAS type, unless otherwise specified.
The tanks higher than 2200mm are packaged horizontally.

INSTALLATION DIAGRAM

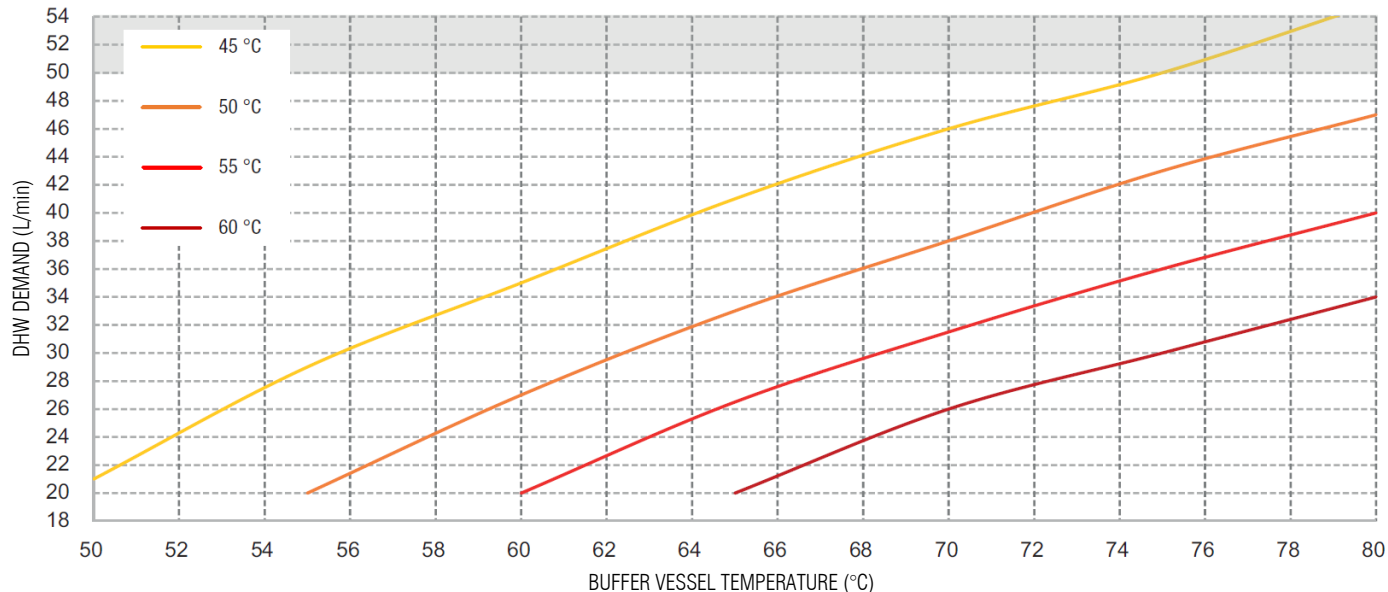


The proposed diagrams are for illustration purposes only.

INSTANT DHW PRODUCTION DIAGRAM - ASAP-30 (find out more on ASAP brochure)



INSTANT DHW PRODUCTION DIAGRAM - ASAP-40 (find out more on ASAP brochure)



HOW TO ORDER

F0 → no heat exchanger
F1 → 1 heat exchanger

Tank capacity (L)

3 → Fresh water station ASAP-30
4 → Fresh water station ASAP-40

TANKOT - F0 - V 6 G B / 400 + 4

ACCESSORIES & SPARE PARTS

ITEM

PART NO.

THERMOMETER Ø65 mm | L=50 mm | (0÷120)°C *TERMOMETRO-D65_S*

PROBE SOCKET Ø½" | L=50 mm | Ø_{int} 10 mm *POZZETTO_S*

THERMOSTAT Ø½" (0÷90)°C *TERMOSTATO*



THERMOMETER



PROBE SOCKET



PROBE

1-3 PHASE IMMERSION ELECTRIC HEATER - STAINLESS STEEL 316I / INCOLOY TUBES
Threaded plug 1"1/2 with adapter for 2" diameter | Plastic box IP54 | V230/400

Power Watt	Phases distribution/ Voltage V	Capacity/L matching L	Length mm	2-THERMOSTAT	
				Temp. regulation & overheating protection	PART NO.
2000	Single-phase/230	200 ÷ 2000	310		RES020-L310-6-M-BT
3000	Single-phase/230	200 ÷ 2000	350		RES030-L350-6-M-BT
5000	Three-phase/400	200 ÷ 2000	375		RES050-L375-6-T-BT
6000	Three-phase/400	200 ÷ 2000	435		RES060-L435-6-T-BT
9000	Three-phase/400	500 ÷ 2000	610		RES090-L610-6-T-BT
10000	Three-phase/400	500 ÷ 2000	670		RES100-L670-6-T-BT



INSULATION

Insulating material	Removable	Thickness	Density	Thermal conductivity coefficient at 45°C	Operating temperature	Fire reaction class Euroclass EN13501-1
Hard polyurethane injected	X	55 mm	40 ÷ 42 kg/m ³	λ = 0,019 W/mK	-10°C / +99°C	F

Hard polyurethane

Thermal and anti-condensation insulation made of rigid closed cell polyurethane foam (PU), free from CFC and HCFC.

It is available in various thickness and can be injected directly to the walls of the tank to eliminate the possibility of formation of condensation and guarantee the minimum thermal dispersion, or pre-formed in removable half-shells to conserve the heat accumulated in the tank.

CLADDINGS

PVC

External cladding made of coloured PVC with hinge closing, suitable for installations in locations protected against adverse weather conditions. The standard colours of each product are indicated in their construction characteristics,



ITEM

PART NUMBER

PVC COVER YELLOW RAL1023	COVER-RAL1023
PVC COVER ORANGE RAL2004	COVER-RAL2004
PVC COVER RED RAL3000	COVER-RAL3000
PVC COVER BLUE RAL5015	COVER-RAL5015
PVC COVER WHITE RAL9016	COVER-RAL9016
PVC COVER LIGHT GREY RAL7035	COVER-RAL7035
PVC COVER DARK GREY RAL7024	COVER-RAL7024
PVC COVER BLACK RAL9004	COVER-RAL9004

ALUMINIUM

External cladding made of embossed aluminium sheeting suitable also for outdoor installations. The insulations made with this type of cladding consist of panels joined together by means of rivets and extruded aluminium slats with an exclusive design, specifically designed to facilitate assembly even directly at the installation site.

The coverings and flange covers made of same material securely anchored to the insulation guarantee the same levels of quality in terms of duration and outside appearance and do not risk being damaged by the wind and



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