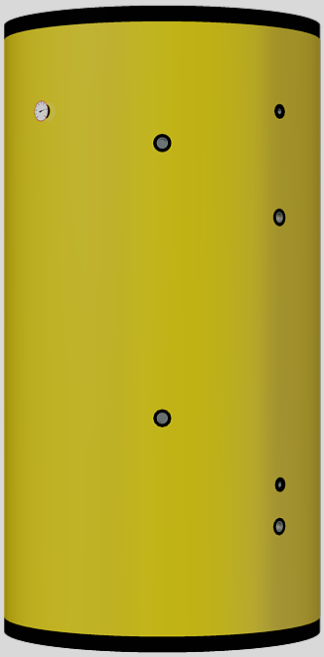
dal 1968

Pacetti

SCAMBIATORI - BOLLITORI - SERBATOI

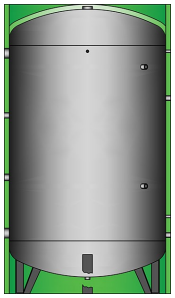
TAH-S - TA-S

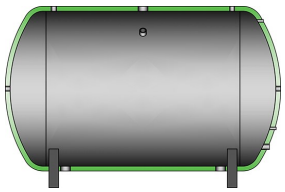


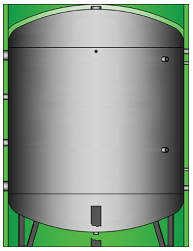
ENAMELLED STEEL DHW STORAGE TANK

Storage tank made of CERAMFLON enamelled steel, equipped with magnesium anode.
Designed to increase the availability of Domestic Water heated from external sources, increase the thermal inertia and considerably reduce the heat loss thanks to the excellent insulation properties.
Available from 200 to 5000 litre capacities and over, these tanks can also be manufactured in vertical-low and vertical extra-low versions, to allow them to be installed in all those circumstances where the standard dimension does not fit the available height.
The possibility of selecting between different operating pressure (up to 10 bar) and the availability of external cladding with PVC or aluminium finishing, makes this DHW storage tank range suitable for any kind of installation.
The protection from galvanic currents through the magnesium type anodes given as standard, or electronic type available upon request.

CONSTRUCTION







	TAH-S | TA-S	TAH-OS | TA-OS	TAH-RS | TA-RS	TA-XS
TANK MATERIAL	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
INTERNAL SURFACE TREATMENT	CERAMFLON enamel	CERAMFLON enamel	CERAMFLON enamel	CERAMFLON enamel
EXTERNAL SURFACE TREATMENT	Anti-rust primer	Anti-rust primer	Anti-rust primer	Anti-rust primer
CAPACITY	200÷5000 L	200÷5000 L	1500÷5000 L	3000÷5000 L
VERSION	Vertical	Horizontal	Vertical LOW height	Vertical EXTRA-LOW height
CONNECTIONS TYPE	Threaded	Threaded	Threaded	Threaded
INSULATION | 200÷500 L	**Hard foam PU** injected 50/55 mm	**Hard foam PU** injected 50/55 mm	—	—
INSULATION | 800÷2000 L	**PLFH** (HD Polyester fibre) 100 mm	**PLFH** (HD Polyester fibre) 100 mm	**PLFH** (HD Polyester fibre) 100 mm	—
INSULATION | 2500÷5000 L	**PLF** (Polyester fibre) 50 mm	**PLF** (Polyester fibre) 50 mm	**PLF** (Polyester fibre) 50 mm	**PLF** (Polyester fibre) 50 mm
CLADDING	• PVC Yellow RAL1023 • Aluminium	• PVC Yellow RAL1023 • Aluminium	• PVC Yellow RAL1023 • Aluminium	• PVC Yellow RAL1023 • Aluminium
ANODE	MAGNESIUM	MAGNESIUM	MAGNESIUM	MAGNESIUM
STANDARD ACCESSORIES	THERMOMETER	THERMOMETER	THERMOMETER	THERMOMETER

PRODUCT FICHE - Reg. 812/2013 supplementing Directive 2010/30/EU & Reg 814/2013 implementing Directive 2009/125/EC

		Capacity		200	300	500	800	1000	1500	2000
	Energy Class			B	B	C	C	C	C	C
TAH-S	Standing loss	S	W	55	68	93	119	129	154	180
	Storage volume	V	L	191	293	502	788	912	1483	1991
	Energy Class			B	B	C	C	C	C	C
TAH-OS	Standing loss	S	W	55	68	91	119	129	154	180
	Storage volume	V	L	190	293	486	788	912	1483	1991
	Energy Class								C	C
TAH-RS	Standing loss	S	W						167	185
	Storage volume	V	L						1529	1973

WORKING CONDITIONS

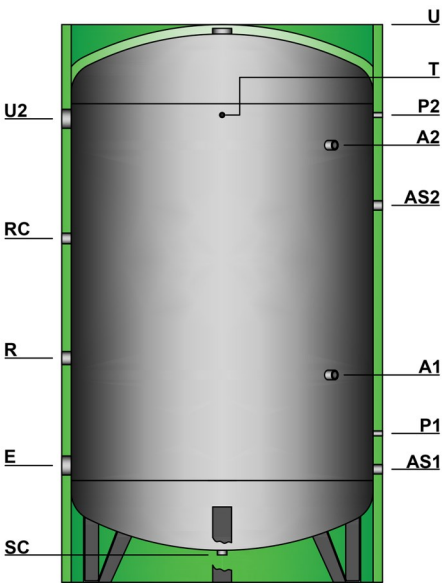
	Capacity	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Tank operating pressure	bar	ATM÷8	ATM÷8	ATM÷8	ATM÷8	ATM÷8	ATM÷6	ATM÷6	ATM÷6	ATM÷6	ATM÷6	ATM÷6
Tank operating temperature	°C	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85	AMB÷85

REGULATORY COMPLIANCE

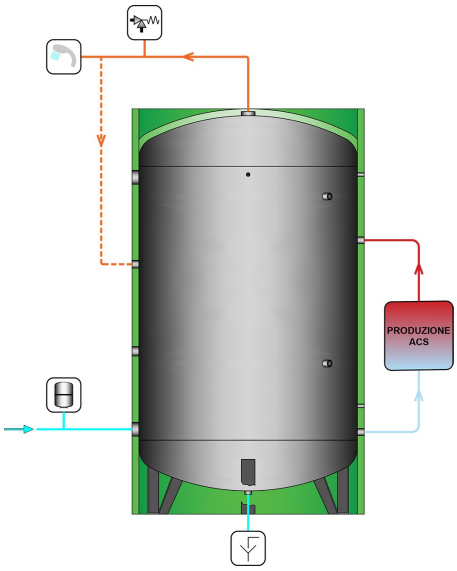
ErP - Reg. 812/2013 & Reg. 814/2013 | CE

European Pressure Equipment Directive (PED) 2014/68/UE | Sound Engineering Practice - excluded from CE marking - Par. 4.3

D.M. 174/04 | Suitable for contact with water for human consumption



INSTALLATION DIAGRAM



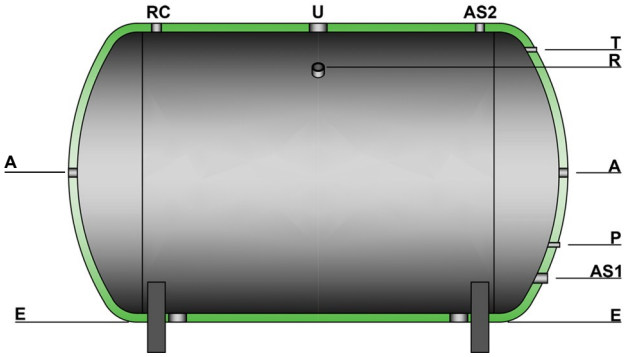
The proposed diagrams are purely by way of example.

GENERAL CHARACTERISTICS TAH-S | TA-S - VERTICAL STANDARD HEIGHT

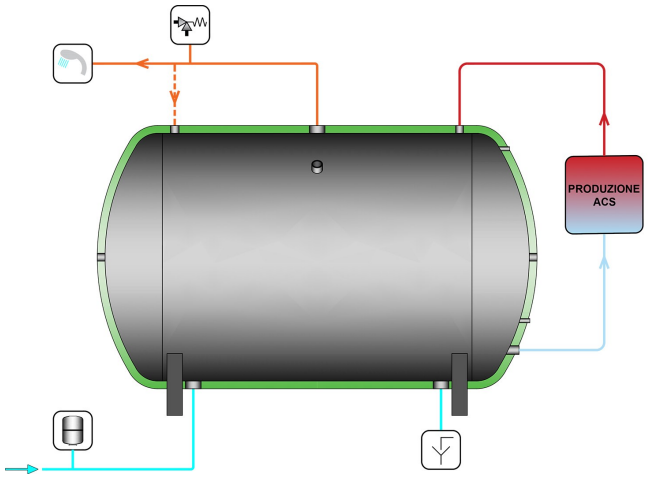
		Capacity	200	300	500	800	1000	1500
DIMENSIONS								
Diameter without insulation		mm	450	550	650	800	800	950
Diameter with insulation		mm	550	650	760	1000	1000	1150
Overall height		mm	1493	1534	1824	1950	2200	2510
Overturning height with | without insulation		mm	1600 | —	1670| —	1980 | —	2120 | 1980	2320 | 2190	2660 | 2525
CONNECTIONS								
E	Cold water supply	mm | Ø	353 | 1"½	369 | 1"½	384 | 1"½	420 | 2"	420 | 2"	465 | 2"
U	DWH return	mm | Ø	1493 | 1"½	1534 | 1"½	1824 | 1"½	1950 | 2"	2200 | 2"	2510 | 2"
U2	DHW return	mm | Ø	—	—	—	—	—	—
RC	Recirculation	mm | Ø	1003 | 1"½	1019 | 1"½	1259 | 1"½	1370 | 1"½	1405 | 1"½	1580 | 1"½
R	Immersion electric heater	mm | Ø	773 | 2"	789 | 2"	804 | 2"	1010 | 2"	1010 | 2"	1035 | 2"
P1	Sensor	mm | Ø	473 | ½"	489 | ½"	504 | ½"	610 | ½"	610 | ½"	635 | ½"
P2	Sensor	mm | Ø	1253 | ½"	1269 | ½"	1534 | ½"	1550 | ½"	1700 | ½"	2125 | ½"
T	Thermometer	mm | Ø	1253 | ½"	1269 | ½"	1534 | ½"	1550 | ½"	1800 | ½"	2125 | ½"
A1	Anode	mm | Ø	853 | 1"¼	869 | 1"¼	884 | 1"¼	920 | 1"¼	920 | 1"¼	945 | 1"¼
A2	Anode	mm | Ø	—	—	—	—	—	1965 | 1"¼
AS1	Spare	mm | Ø	353 | 1"¼	369 | 1"¼	384 | 1"¼	420 | 1"¼	420 | 1"¼	445 | 1"¼
AS2	Spare	mm | Ø	1153 | 1"¼	1169 | 1"¼	1184 | 1"¼	1220 | 1"¼	1820 | 1"¼	1845 | 1"¼
SC	Drain	mm | Ø	128 | 1"¼	109 | 1"¼	99 | 1"¼	95 | 1"¼	95 | 1"¼	135 | 1"¼
EMPTY WEIGHTS								
Empty weights		kg	50	60	90	120	130	190

		Capacity	2000	2500	3000	4000	5000
DIMENSIONS							
Diameter without insulation		mm	1100	1200	1250	1400	1600
Diameter with insulation		mm	1300	1300	1350	1500	1700
Overall height		mm	2515	2590	2790	2869	2960
Overturning height with | without insulation		mm	2700 | 2525	2780 | 2660	2980 | 2860	3095 | 2945	3240 | 3060
CONNECTIONS							
E	Cold water supply	mm | Ø	485 | 2"½	530 | 3"	525 | 3"	559 | 3"	620 | 3"
U	DWH return	mm | Ø	2515 | 2"½	2590 | 3"	2790 | 3"	2869 | 3"	2960 | 3"
U2	DHW return	mm | Ø	—	—	—	2399 | 3"	2460 | 3"
RC	Recirculation	mm | Ø	1600 | 1"½	1645 | 1"½	1730 | 1"½	1764 | 1"½	1825 | 1"½
R	Immersion electric heater	mm | Ø	1055 | 2"	1100 | 2"	1095 | 2"	1129 | 2"	1190 | 2"
P1	Sensor	mm | Ø	655 | ½"	700 | ½"	695 | ½"	729 | ½"	790 | ½"
P2	Sensor	mm | Ø	2095 | ½"	2190 | ½"	2385 | ½"	2419 | ½"	2480 | ½"
T	Thermometer	mm | Ø	2095 | ½"	2190 | ½"	2385 | ½"	2419 | ½"	2480 | ½"
A1	Anode	mm | Ø	965 | 1"¼	1010 | 1"¼	1005 | 1"¼	1039 | 1"¼	1100 | 1"¼
A2	Anode	mm | Ø	1935 | 1"¼	2030 | 1"¼	2225 | 1"¼	2259 | 1"¼	2320 | 1"¼
AS1	Spare	mm | Ø	465 | 1"¼	510 | 1"¼	505 | 1"¼	539 | 1"¼	600 | 1"¼
AS2	Spare	mm | Ø	1865 | 1"¼	1910 | 1"¼	1905 | 1"¼	1939 | 1"¼	2000 | 1"¼
SC	Drain	mm | Ø	120 | 1"¼	135 | 1"¼	125 | 1"¼	114 | 1"¼	145 | 1"¼
EMPTY WEIGHTS							
Empty weights		kg	250	320	345	470	560

N.B.: All the measurements of the connections are considered "from the ground" - The threads are female GAS type (unless otherwise specified).
The products higher than 2200mm will be packaged horizontally. In this case, should the cladding be Aluminium type, it will come disassembled to avoid transportation damages.



INSTALLATION DIAGRAM



The proposed diagrams are purely by way of example.

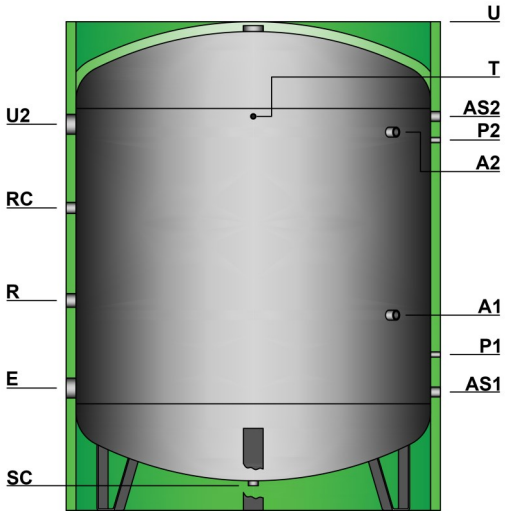
GENERAL CHARACTERISTICS TAH-OS | TA-OS - HORIZONTAL VERSION

		Capacity	200	300	500	800	1000	1500
DIMENSIONS								
Diameter without insulation		mm	450	550	650	800	800	950
Diameter with insulation		mm	550	650	760	1000	1000	1150
Overall height		mm	656	755	855	1091	1091	1237
Overall length		mm	1400	1450	1750	1930	2180	2450
CONNECTIONS								
E	Cold water supply | Drain	mm | Ø	106 | 1"½	105 | 1"½	105 | 1"½	121 | 2"	121 | 2"	137 | 2"½
U	DHW return	mm | Ø	656 | 1"½	755 | 1"½	855 | 1"½	1091 | 2"	1091 | 2"	1237 | 2"½
RC	Recirculation	mm | Ø	656 | 1"½	755 | 1"½	855 | 1"½	1091 | 1"½	1091 | 1"½	1237 | 1"½
R	Immersion electric heater	mm | Ø	575 | 2"	660 | 2"	745 | 2"	945 | 2"	945 | 2"	1069 | 2"
P	Sensor	mm | Ø	486 | ½"	548 | ½"	398 | ½"	441 | ½"	441 | ½"	502 | ½"
T	Thermometer	mm | Ø	576 | ½"	655 | ½"	727 | ½"	931 | ½"	931 | ½"	1037 | ½"
A	Anode	mm | Ø	381 | 1"¼	430 | 1"¼	480 | 1"¼	591 | 1"¼	591 | 1"¼	662 | 1"¼
AS1	Spare	mm | Ø	231 | 1"½	230 | 1"½	248 | 1"½	291 | 1"½	291 | 1"½	312 | 1"½
AS2	Spare	mm | Ø	656 | 1"¼	755 | 1"¼	855 | 1"¼	1091 | 1"¼	1091 | 1"¼	1237 | 1"¼
EMPTY WEIGHTS								
Empty weights		kg	50	60	90	120	130	190

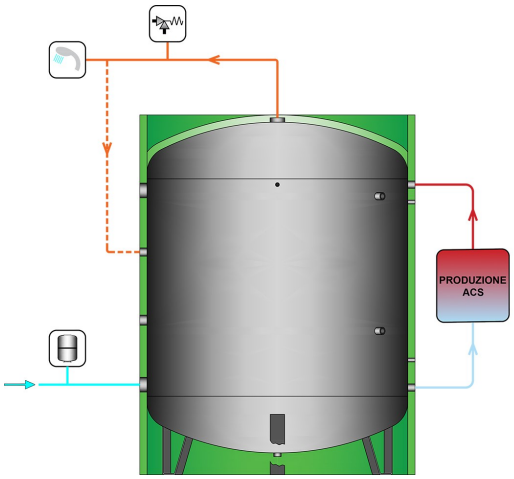
		Capacity	2000	2500	3000	4000	5000
DIMENSIONS							
Diameter without insulation		mm	1100	1200	1250	1400	1600
Diameter with insulation		mm	1300	1300	1350	1500	1700
Overall height		mm	1395	1493	1540	1679	1872
Overall length		mm	2470	2480	2690	2780	2840
CONNECTIONS							
E	Cold water supply | Drain	mm | Ø	145 | 2"½	193 | 3"	190 | 3"	179 | 3"	172 | 3"
U	DHW return	mm | Ø	1395 | 2"½	1493 | 3"	1540 | 3"	1679 | 3"	1872 | 3"
RC	Recirculation	mm | Ø	1395 | 1"½	1493 | 1"½	1540 | 1"½	1679 | 1"½	1872 | 3"
R	Immersion electric heater	mm | Ø	1226 | 2"	1303 | 2"	1342 | 2"	1459 | 2"	1623 | 2"
P	Sensor	mm | Ø	535 | ½"	583 | ½"	605 | ½"	619 | ½"	612 | ½"
T	Thermometer	mm | Ø	1235 | ½"	1343 | ½"	1390 | ½"	1529 | ½"	1722 | ½"
A	Anode	mm | Ø	745 | 1"¼	843 | 1"¼	865 | 1"¼	929 | 1"¼	1022 | 1"¼
AS1	Spare	mm | Ø	345 | 1"½	393 | 1"½	415 | 1"½	429 | 1"½	422 | 1"½
AS2	Spare	mm | Ø	1395 | 1"¼	1493 | 1"¼	1540 | 1"¼	1679 | 1"¼	1872 | 1"½
EMPTY WEIGHTS							
Empty weights		kg	250	320	345	470	560

N.B.: All the measurements of the connections are considered "from the ground" - The threads are female GAS type (unless otherwise specified).
The products higher than 2200mm will be packaged horizontally. In this case, should the cladding be Aluminium type, it will come disassembled to avoid transportation damages.

ENAMELLED STEEL DHW STORAGE TANK



INSTALLATION DIAGRAM

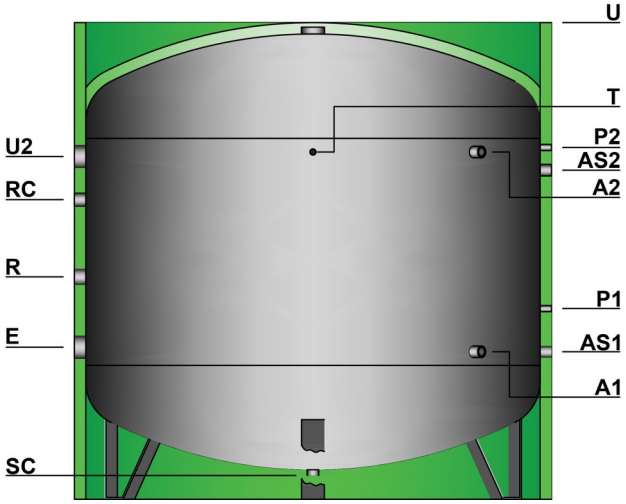


The proposed diagrams are purely by way of example.

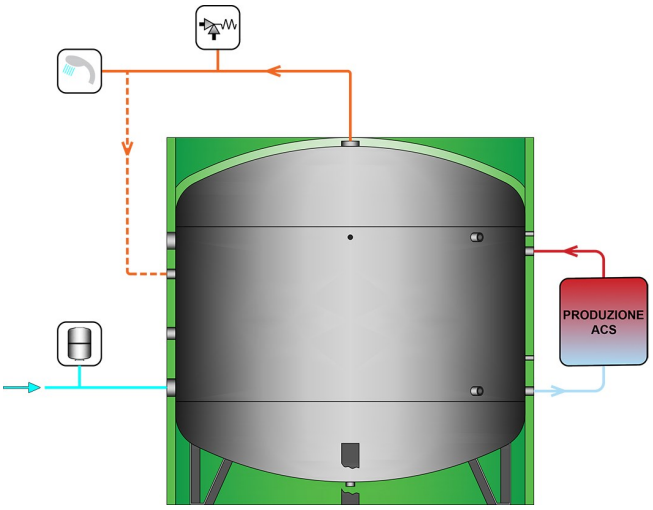
GENERAL CHARACTERISTICS TAH-RS | TA-RS - VERTICAL –LOW HEIGHT

		Capacity	1500	2000	2500	3000	4000	5000
DIMENSIONS								
Diameter without insulation		mm	1100	1250	1400	1400	1600	1800
Diameter with insulation		mm	1300	1450	1500	1500	1700	1900
Overall height		mm	2015	2019	2119	2369	2460	2483
Overturning height with | without insulation		mm	2245 | 2055	2300 | 2075	2415 | 2245	2640 | 2475	2785 | 2590	2880 | 2645
CONNECTIONS								
E	Cold water supply	mm | Ø	485 | 2"½	504 | 2"½	559 | 3"	559 | 3"	620 | 3"	622 | 3"
U	DWH return	mm | Ø	2015 | 2"½	2019 | 2"½	2119 | 3"	2369 | 3"	2460 | 3"	2483 | 3"
U2	DHW return	mm | Ø	—	—	1649 | 3"	1899 | 3"	1960 | 3"	1962 | 3"
RC	Recirculation	mm | Ø	1235 | 1"½	1219 | 1"½	1309 | 1"½	1474 | 1"½	1535 | 1"½	1537 | 1"½
R	Immersion electric heater	mm | Ø	800 | 2"	819 | 2"	874 | 2"	1004 | 2"	1065 | 2"	1067 | 2"
P1	Sensor	mm | Ø	655 | ½"	674 | ½"	729 | ½"	729 | ½"	790 | ½"	792 | ½"
P2	Sensor	mm | Ø	1595 | ½"	1564 | ½"	1669 | ½"	1819 | ½"	1880 | ½"	1882 | ½"
T	Thermometer	mm | Ø	1595 | ½"	1564 | ½"	1669 | ½"	1939 | ½"	2000 | ½"	2002 | ½"
A1	Anode	mm | Ø	870 | 1"¼	864 | 1"¼	944 | 1"¼	929 | 1"¼	990 | 1"¼	992 | 1"¼
A2	Anode	mm | Ø	1535 | 1"¼	1504 | 1"¼	1609 | 1"¼	1819 | 1"¼	1920 | 1"¼	1922 | 1"¼
AS1	Spare	mm | Ø	465 | 1"¼	484 | 1"¼	539 | 1"¼	539 | 1"¼	600 | 1"¼	602 | 1"¼
AS2	Spare	mm | Ø	1265 | 1"¼	1284 | 1"¼	1339 | 1"¼	1939 | 1"¼	2000 | 1"¼	2002 | 1"¼
SC	Drain	mm | Ø	120 | 1"¼	104 | 1"¼	114 | 1"¼	114 | 1"¼	145 | 1"¼	126 | 1"¼
EMPTY WEIGHTS								
Empty weights		kg	205	265	375	410	445	585

N.B.: All the measurements of the connections are considered "from the ground" - The threads are female GAS type (unless otherwise specified).
The products higher than 2200mm will be packaged horizontally. In this case, should the cladding be Aluminium type, it will come disassembled to avoid transportation damages.



INSTALLATION DIAGRAM



The proposed diagrams are purely by way of example.

GENERAL CHARACTERISTICS TA-XS - VERTICAL EXTRA-LOW HEIGHT

		Capacity	3000	4000	5000
DIMENSIONS					
Diameter without insulation		mm	1500	1700	2000
Diameter with insulation		mm	1600	1800	2100
Overall height		mm	2130	2190	2100
Overturning height with | without insulation		mm	2460 | 2260	2585 | 2355	2635 | 2345
CONNECTIONS					
E	Cold water supply	mm | Ø	560 | 3"	590 | 3"	670 | 3"
U	DWH return	mm | Ø	2130 | 3"	2190 | 3"	2100 | 3"
U2	DHW return	mm | Ø	1650 | 3"	1680 | 3"	1510 | 3"
RC	Recirculation	mm | Ø	1340 | 1"½	1370 | 1"½	1320 | 1"½
R	Immersion electric heater	mm | Ø	1030 | 2"	1060 | 2"	980 | 2"
P1	Sensor	mm | Ø	730 | ½"	760 | ½"	840 | ½"
P2	Sensor	mm | Ø	1670 | ½"	1700 | ½"	1550 | ½"
T	Thermometer	mm | Ø	1670 | ½"	1700 | ½"	1530 | ½"
A1	Anode	mm | Ø	540 | 1"¼	570 | 1"¼	650 | 1"¼
A2	Anode	mm | Ø	1590 | 1"¼	1620 | 1"¼	1530 | 1"¼
AS1	Spare	mm | Ø	540 | 1"¼	570 | 1"¼	650 | 1"¼
AS2	Spare	mm | Ø	1340 | 1"¼	1370 | 1"¼	1450 | 1"¼
SC	Drain	mm | Ø	105 | 1"¼	105 | 1"¼	105 | 1"¼
EMPTY WEIGHTS					
Empty weights		kg	360	490	635

N.B.: All the measurements of the connections are considered "from the ground" - The threads are female GAS type (unless otherwise specified).
The products higher than 2200mm will be packaged horizontally. In this case, should the cladding be Aluminium type, it will come disassembled to avoid transportation damages.

ENAMELLED STEEL DHW STORAGE TANK

HOW TO ORDER

- H → ErP compliant (≤2000 L) / NULL → Not subject to ErP
- V → Vertical / O → Horizontal / R → Vertical LOW / X → Vertical EXTRA-LOW
- 6 → 6 bar / 8 → 8 bar / 0 → 10 bar
- T → Mg anode / X → Mg anode w/tester / E → Electronic anode
- 5 → Insulation thickness 50/55 mm / 0 → Insulation thickness 100 mm
- A → Aluminium clad / NULL → PVC clad
- Capacity - L

TA	H	-	V	8	S	T	5	A	/	0200

ACCESSORIES & SPARE PARTS

ITEM	PART NO.
THERMOMETER Ø65 mm | L=150 mm | *(0÷120)°C*	*TERMOMETRO-D65_L*
THERMOMETER Ø100 mm | L=150 mm | *(0÷120)°C*	*TERMOMETRO-D100*
PROBE SOCKET Ø½" L=150 mm | $Ø_{int}$ 10 mm	*POZZETTO_L*
THERMOSTAT Ø½" *(0÷90)°C*	*TERMOSTATO*
MAGNESIUM ANODE KIT 200÷800 L	*KIT-ANOD_02*
MAGNESIUM ANODE KIT 1000 L	*KIT-ANOD_03*
MAGNESIUM ANODE KIT 1500÷2500 L	*KIT-ANOD_04*
MAGNESIUM ANODE KIT 3000÷5000 L	*KIT-ANOD_05*
MAGNESIUM ANODE KIT WITH TESTER 200÷800 L	*KIT-ANOD-TESTER_01*
MAGNESIUM ANODE KIT WITH TESTER 1000 L	*KIT-ANOD-TESTER_02*
MAGNESIUM ANODE KIT WITH TESTER 1500÷2500 L	*KIT-ANOD-TESTER_03*
MAGNESIUM ANODE KIT WITH TESTER 3000÷5000 L	*KIT-ANOD-TESTER_04*
MAGNESIUM ANODE KIT (rod only) FOR TESTER 200÷ 800 L	*KIT-ANOD-T_01*
MAGNESIUM ANODE KIT (rod only) FOR TESTER 1000 L	*KIT-ANOD-T_02*
MAGNESIUM ANODE KIT (rod only) FOR TESTER 1500÷ 2500 L	*KIT-ANOD-T_03*
MAGNESIUM ANODE KIT (rod only) FOR TESTER 3000÷ 5000 L	*KIT-ANOD-T_04*
ELECTRONIC ANODE KIT 200÷500 L	*ANODE012X380_P*
ELECTRONIC ANODE KIT 800-1000 L	*ANODE012X430_P*
ELECTRONIC ANODE KIT 1500÷5000 L	*ANODE012X430X2_P*


THERMOMETER


PROBE SOCKET


THERMOSTAT


MAGNESIUM ANODE


MAGNESIUM ANODE W/TESTER


ELECTRONIC ANODE

1-PHASE & 3-PHASE IMMERSION ELECTRIC HEATER - STAINLESS STEEL 316L TUBES
Threaded plug 1.1/2" with brass adapter 1.1/2" to 2" | Aluminium box IP54 | V220/1-V240/1 or V400/3

Capacity	Capacity/L matching	Length	Volt	Plug type	2-THERMOSTAT Temperature regulation & overheating protection
Watt	*L*	*mm*	*mm*	*mm*	*PART NO.*
2000	200÷5000	310	220/1 240/1	SHUKO	*RES020-L310-6-M-BT*
3000	200÷5000	350			*RES030-L350-6-M-BT*
5000	200÷5000	375	400/3	Not supplied	*RES050-L375-6-T-BT*
6000	200÷5000	435			*RES060-L435-6-T-BT*
9000	500÷5000	610			*RES090-L610-6-T-BT*
10000	500÷5000	670			*RES100-L670-6-T-BT*
12000	800÷5000	730			*RES120-L727-6-T-BT*
15000	1500÷5000	870			*RES150-L870-6-T-BT*


1-PHASE


3-PHASE

ANTI-CORROSION PROTECTION STEEL TREATMENTS

PROTECTIVE TREATMENTS FOR CARBON STEEL TANKS

CERAMFLON enamelling

The “CERAMFLON” anti-corrosion treatment is an innovative system for the protection of the metallic walls which has been introduced by the recent developments in the studies on resins, guaranteeing hygiene and many other qualities:

- it is inert and insensitive corrosion thanks to its considerable resistance to ageing;
- it is water-repellent and impermeable to steam and moisture;
- it has a practically zero absorption of humidity and the stability is maintained both at high and low temperatures, so they can withstand even very high thermal excursions;
- it has a high impact resistance and a very low friction coefficient, which avoids large and hazardous adherence phenomena which, in the majority of cases, can be attributed to limescale;
- it has a low dielectric constant which is maintained at variations in operating temperatures.

The application of the resins using triboelectric guns, carried out after careful cleaning of the support, is consolidated on the product after baking in an oven at 200°C.

CATHODIC PROTECTION

The corrosion of a metal structure occurs mainly in areas in which there is the passage of current (oxidation-reduction process) from the structure towards the outside (water or gas) causing a dissolution of the structure itself.

Cathodic protection by means of magnesium anodes.

The application of sacrificial magnesium anodes is a simple and economic method to obtain a cathodic protection.
The sacrificial anode creates a situation similar to an electric battery, where the electrodes are represented by the anode and the metal structure to be protected.
Since the magnesium has a dissolution voltage which is much higher than that of other metals, the corrosion will only affect the anode, which will dissolve slowly, to the advantage of the metal structure to be protected.
Given the importance of the protection of the metal against corrosion, the wear of the anode is systematically controlled and it is immediately replaced if consumed.

Cathodic protection by means of electronic impressed current system.

As an alternative to the galvanic system (coupling of materials with different potentials) there is a protection method which consists in applying an equal and opposite continuous current to the metallic structure to be protected, neutralising the voltages formed inside the tank.
Thanks to the modern techniques there is an innovative electronic system of cathodic protection with continuous impressed current.
The main advantages are:

- active protection by means of impressed currents from the outside;
- excellent flexibility of operation in order to adhere to the changeable internal coating conditions and the mass of water;
- reduction of maintenance costs due to the permanent protection of the system.

INSULATIONS

Insulating material	Removable	Thickness	Density	Thermal conductivity coefficient at 45°C	Operating temperature	Fire reaction class Euroclass EN13501-1
PLF Poluyester fibre	✓	50 mm	20 kg/m³	λ = 0,037 W/mK	Amb. / +99°C	B-s2, d0
PLFH High Density Polyester fibre	✓	100 mm	25 kg/m³	λ = 0,034 W/mK	Amb. / +99°C	B-s2, d0
Hard foam Polyurethane injected	✗	50 ÷ 55 mm	40÷42 kg/m³	λ = 0,019 W/mK	-10°C / +99°C	F

PLFH / PLF – Polyester fibre

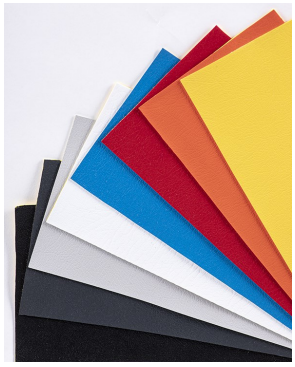
- 100% recyclable
- Environmental friendly
- Lightweight
- Self-supporting
- Fire-retardant
- Rot-proof
- Resistant to mould, bacteria or rodents
- Hypoallergenic
- Water repellent

The raw materials consist of polyester fibres and heat-bonded co-polyester fibres, coming mainly from the recycling of plastic bottles obtained from urban waste collection.
It does not contain substances harmful to humans, may be handled and installed in complete safety, does not release powder, is hypoallergenic and cannot be attacked by microorganisms, mould and insects.
PLFH/PLF is a heat insulating product considered environmentally sustainable, even though it is not of natural origin: it is in fact recyclable and the quantity of embodied energy necessary to obtain it is extremely low.
The composition of the polyester fibre makes it an insulating material with an extremely low heat dispersion and its characteristics remain unaltered over time as it is not affected by humidity and its compact, flexible and resistant original structure is not modified.
Thanks to its characteristics, PLFH/PLF is an insulating material with the highest performance characteristics, which allows the requirements set by the severest technical standards to be satisfied, guaranteeing the maximum environmental compatibility for its entire life cycle.

Rigid Polyurethane

Thermal and anti-condensation insulation made of hard closed cell polyurethane foam (PU), free from CFC and HCFC.
It is available in various thickness and can be injected directly to the shell of the tank to prevent it from condensation and provide the lower thermal dispersion. For some sizes it is pre-formed into half-shells to ease the insulation removal in case the tank has to pass through narrow doors.

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, but different colours can be requested for each model as shown in the following table.

ITEM	*PART NO.*
PVC CLADDING YERLLOW RAL1023	*COVER-RAL1023*
PVC CLADDING OREANGE RAL2004	*COVER-RAL2004*
PVC CLADDING RED RAL3000	*COVER-RAL3000*
PVC CLADDING BLUE RAL5015	*COVER-RAL5015*
PVC CLADDING WHITE RAL9016	*COVER-RAL9016*
PVC CLADDING LIGHT GREY RAL7035	*COVER-RAL7035*
PVC CLADDING DARK GREY RAL7024	*COVER-RAL7024*
PVC CLADDING 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 adverse weather conditions.

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