

FLOOR STANDING VERTICAL DHW TANKS

FOR FORCED CIRCULATION
SYSTEMS
150L-1000L

THE BRIGHT
SIDE OF ENERGY



5
years
warranty



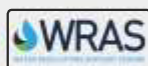
- Manufactured by cold rolled steel (DCP01-03/EK) sheet. Thickness 2,5 mm up to 500L / 3,0 mm for 750 & 1000L tank body (EN 10130/2006)
- Metallic external cover pre-painted RAL 9010 galvanized steel sheet 0,5mm (EN 10204/2.2) and standard PVC fabric (750L & 1000L) soft polyurethane foam 100mm
- Enamel anti-corrosion protection processed at 890°C according to DIN 4753-3 complying to WRAS requirements for potable water
- Metal Inert Gas MIG welding
- Internal anti-corrosion protection enamel coating (DIN4753-3)
- Models available to be used with: solar thermal collectors, space heating, electric element and heat pump
- Antimicrobial coating suitable for potable water
- Height adjustment for correct leveling

THERMIC manufactures its tanks according to European standards which are available from 150 up to 1000 liters. Having one or two coil type exchangers. Back up electric heating element available with additional cost, connections for temperature sensors, thermometer, recirculation etc.

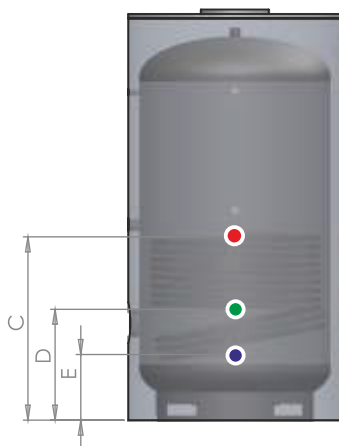
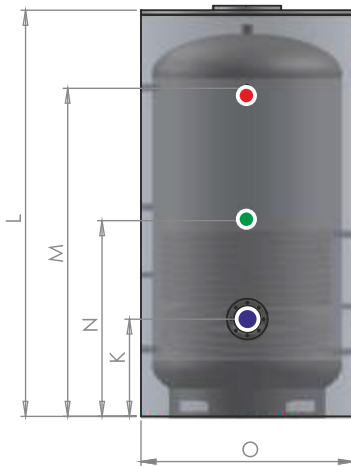
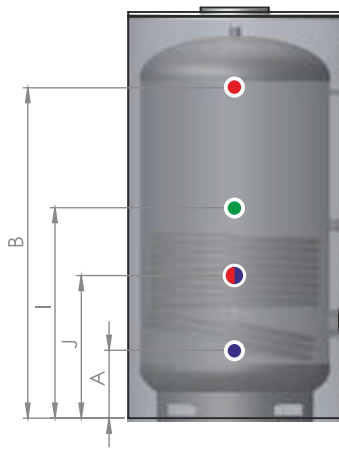
Models
750L & 1000L
available
also with
metallic outer
cladding

Applicable for:

Large scale water heating, industrial, public buildings, hotels, hospitals, schools, military, etc.



Vertical tanks single exchanger



• In all DHW tanks and forced circulation systems it is necessary the installation of an expansion tank, relief valve and anodic protection on the hot water loop.

- **Inner tank material:** Cold rolled steel (DCP01-03/EK) sheet for inner tank body (EN 10130/2006)
- **Welding type:** Metal Inert Gas MIG welding
- **External cover material 150L-500L:** Pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Insulation for metallic external cover:** Hard Polyurethane Foam density 42kg/m³ (DIN 53420)
- **External Cover material 750L-1000L:** PVC fabric removable with zipper
- **Insulation for PVC fabric external cover:** Soft polyurethane foam 100mm (750L & 1000L)
- **Working pressure max:** 8 bar (tank tested at 12 bar (EN-12976-2:2006)
- **Working temperature max:** 95°C
- **Cathodic protection:** Magnesium anode rod
- **Back-up heating element:** Optional

750 & 1000
available also
with metallic
outer
cladding

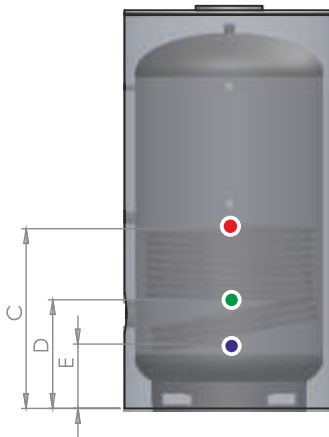
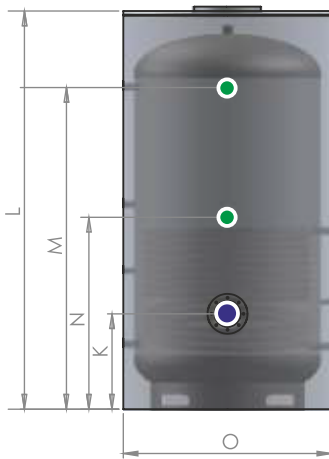
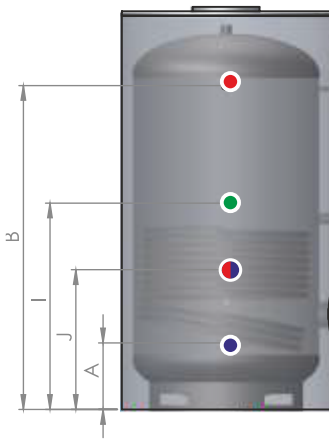
Specifications

	BLLTGL150/1ME	BLLTGL200/1ME	BLLTGL300/1ME	BLLTGL500/1ME	BLLTGL750/1ME BLLTGL750/1SE	BLLTGL1000/1ME BLLTGL1000/1SE
Actual capacity (lt)	134	183	277	470	756	938
Exchanger's capacity (lt)	4.5	5	7.2	12	13.5	21
Exchanger's surface (m ²)	0.5	0.85	1.18	1.42	2.0	3.3
Exchanger's diameter (inch)	3/4"	1"	1"	1"	1"	1"
A Cold water inlet (mm)	200	200	235	225	335	340
B Hot water inlet (mm)	1040	1040	1615	1655	1495	1750
C Exchanger's inlet (mm)	605	610	850	840	845	1115
D Temperature sensor (mm)	375	370	405	465	525	580
E Exchanger's outlet (mm)	210	200	250	220	325	350
I Anode (mm)	-	-	-	1040	965	1220
J Recirculation (mm)	635	640	938	765	665	620
K Flange (mm)	375	390	370	435	465	570
L Total height (mm)	1250	1250	1800	1920	1800	2100
M Thermometer (mm)	950	900	1500	1655	1485	1720
N Electric back-up element (mm)	675	670	1040	910	910	1160
O Diameter (mm)	500	580	580	700	940	940
Diameter with PVC fabric (mm)	-	-	-	-	1040	1040
Diameter inner tank (mm)	400	480	480	600	840	840
Max working pressure (bar)	8	8	8	8	8	8
Testing pressure (bar)	12	12	12	12	12	12
Weight SP & PVC ext. (100mm thickness) (kg)	-	-	-	-	205	275
Weight metallic ext. (50mm thickness) (kg)	63.5	80	110	160	235	305
PVC fabric external cover, insulation thickness (mm)	-	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50					
PRICE WITH METALLIC EXTERNAL (€)	920 €	1.030 €	1.360 €	1.743 €	3.229 €	3.630 €
PRICE WITH PVC FABRIC (€)	-	-	-	-	2.694 €	3.038 €

Connection diameters

	BLLTGL150/1ME	BLLTGL200/1ME	BLLTGL300/1ME	BLLTGL500/1ME	BLLTGL750/1ME BLLTGL750/1SE	BLLTGL1000/1ME BLLTGL1000/1SE
A Cold water inlet	1"	1"	1"	1"	1"	1"
B Hot water outlet	1"	1"	1"	1"	1"	1"
C Exchanger's inlet	3/4"	1"	1"	1"	1"	1"
D Temperature sensor	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
E Exchanger's outlet	3/4"	1"	1"	1"	1"	1"
I Anode	-	-	-	1"	1"	1"
J Recirculation	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
M Thermometer	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
N Electric back-up element	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

Vertical tanks single (long) exchanger



- Inner tank material: Cold rolled steel (DCP01-03/EK) sheet for inner tank body (EN 10130/2006)
- Welding type: Metal Inert Gas MIG welding
- External cover material 150L-500L: Pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- Insulation for metallic external cover: Hard Polyurethane Foam density 42kg/m³ (DIN 53420)
- External Cover material 750L- 1000L: PVC fabric removable with zipper
- Insulation for PVC fabric external cover: Soft polyurethane foam 100mm (750L & 1000L)
- Working pressure max: 8 bar (tank) tested at 12 bar (EN-12976-2:2006)
- Working temperature max: 95°C
- Cathodic protection: Magnesium anode rod
- Back-up heating element: Optional

750 & 1000 available also with metallic outer cladding

Specifications

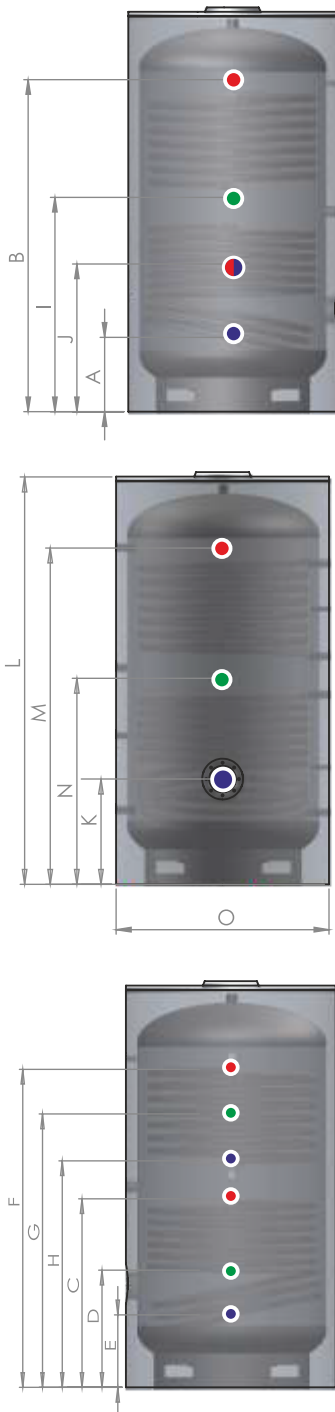
	BLLTGL150/1LE	BLLTGL200/1LE	BLLTGL300/1LE	BLLTGL500/1LE	BLLTGL750/1LE/ME BLLTGL750/1LE	BLLTGL1000/1LE/ME BLLTGL1000/1LE
Actual capacity (lt)	132	180	274	453	745	924
Exchanger's capacity (lt)	5.90	7.70	10.80	13.00	21.20	34.70
Exchanger's surface (m ²)	1.00	1.97	2.80	3.90	5.00	5.95
Lower exchanger's diameter (inch)	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
A Cold water inlet (mm)	200	200	235	225	335	340
B Hot water outlet (mm)	1040	1040	1615	1655	1495	1750
C Lower exchanger's inlet (mm)	605	610	850	840	845	1115
D Temperature sensor (mm)	375	370	405	465	525	580
E Exchanger's outlet (mm)	210	200	250	220	325	350
I Anode (mm)	-	-	-	1040	965	1220
J Recirculation (mm)	635	640	938	765	665	620
K Flange (mm)	375	390	370	435	465	570
L Total height (mm)	1250	1250	1800	1920	1800	2100
M Thermometer (mm)	950	900	1500	1655	1485	1720
N Electric back-up element (mm)	675	670	1040	910	910	1160
O Diameter (mm)	500	580	580	700	940	940
Diameter with PVC fabric (mm)	-	-	-	-	1040	1040
Diameter inner tank (mm)	400	480	480	600	840	840
Max working pressure (bar)	8	8	8	8	8	8
Testing pressure (bar)	12	12	12	12	12	12
Weight SP & PVC ext (kg)	-	-	-	-	223	285
Weight metallic ext. (kg)	65.5	84	120	168	239	320
PVC fabric external cover, insulation thickness (mm)	-	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50					
PRICE WITH METALLIC EXTERNAL (€)	1.075 €	1.176 €	1.659 €	2.228 €	4.865 €	5.432 €
PRICE WITH PVC FABRIC (€)	-	-	-	-	4.115 €	4.527 €

Connection diameters

	BLLTGL150/1LE	BLLTGL200/1LE	BLLTGL300/1LE	BLLTGL500/1LE	BLLTGL750/1LE/ME BLLTGL750/1LE	BLLTGL1000/1LE/ME BLLTGL1000/1LE
A Cold water inlet	1"	1"	1"	1"	1"	1"
B Hot water outlet	1"	1"	1"	1"	1"	1"
C Exchanger's inlet	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
D Temperature sensor	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
E Exchanger's outlet	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
I Anode	-	-	-	1"	1"	1"
J Recirculation	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
M Thermometer	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
N Electric back-up element	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

• In all DHW tanks and forced circulation systems it is necessary the installation of an expansion tank, relief valve and anodic protection on the hot water loop.

Vertical tanks double exchanger



- **Inner tank material:** Cold rolled steel (DCP01-03/EK) sheet for inner tank body (EN 10130/2006)
- **Welding type:** Metal Inert Gas MIG welding
- **External cover material 150L-500L:** Pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Insulation for metallic external cover:** Hard Polyurethane Foam density 42kg/m³ (DIN 53420)
- **External Cover material 750L-1000L:** PVC fabric removable with zipper
- **Insulation for PVC fabric external cover:** Soft polyurethane foam 100mm (750L & 1000L)
- **Working pressure max:** 8 bar (tank tested at 12 bar (EN-12976-2:2006)
- **Working temperature max:** 95°C
- **Cathodic protection:** Magnesium anode rod
- **Back-up heating element:** Optional

750 & 1000
available also
with metallic
outer
cladding

Specifications

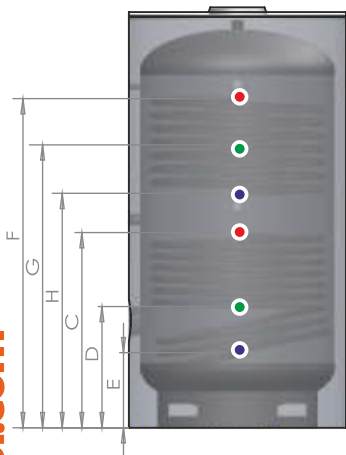
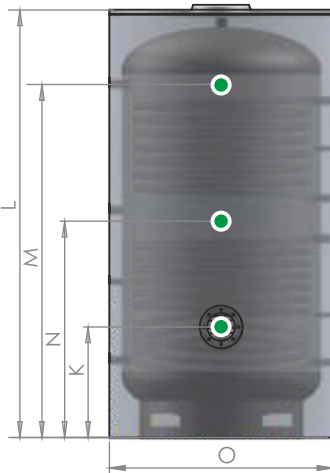
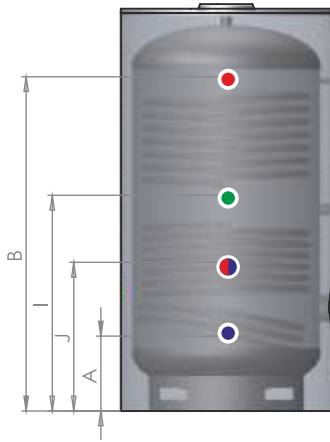
	BLLTGL150/2/ME	BLLTGL200/2/ME	BLLTGL300/2/ME	BLLTGL500/2/ME	BLLTGL750/2/ME BLLTGL750/2/SE	BLLTGL1000/2/ME BLLTGL1000/2/SE
Actual capacity (lt)	131	178	270	460	741	922
Lower exchanger's capacity (lt)	4.5	5	7.2	12	13.5	21
Upper exchanger's capacity (lt)	2.8	3.5	5.2	5.6	10.3	13
Lower exchanger's surface (m ²)	0.5	0.85	1.18	1.42	2.0	3.3
Upper exchanger's surface (m ²)	0.3	0.48	0.83	0.93	1.52	1.9
Lower exchanger's diameter (inch)	3/4"	1"	1"	1"	1"	1"
Upper exchanger's diameter (inch)	3/4"	1"	1"	1"	1"	1"
A Cold water inlet (mm)	200	200	235	225	335	340
B Hot water outlet (mm)	1040	1040	1615	1655	1495	1750
C Lower exchanger's inlet (mm)	605	610	850	840	845	1115
D Temperature sensor A (mm)	375	370	405	465	525	580
E Lower exchanger's outlet (mm)	210	200	250	220	325	350
F Upper exchanger's inlet (mm)	1025	1040	1570	1655	1425	1740
G Temperature sensor B (mm)	875	920	1360	1370	1225	1560
H Upper exchanger's outlet (mm)	755	760	1150	1155	1015	1290
I Anode (mm)	-	-	-	1040	965	1220
J Recirculation (mm)	635	640	938	765	665	620
K Flange (mm)	375	390	370	435	465	570
L Total height (mm)	1250	1250	1800	1920	1780	2020
M Thermometer (mm)	950	900	1500	1655	1485	1720
N Electric back-up element (mm)	675	670	1040	910	910	1160
O Diameter (mm)	500	580	580	700	940	940
Diameter with PVC fabric (mm)	-	-	-	-	1040	1040
Diameter inner tank (mm)	400	480	480	600	840	840
Max working pressure (bar)	8	8	8	8	8	8
Testing pressure (bar)	12	12	12	12	12	12
Weight SP & PVC ext. (100mm thickness) (kg)	-	-	-	-	250	310
Weight metallic ext. (50mm thickness) (kg)	73.5	89.5	122.5	180	272	345
PVC fabric external cover, insulation thickness (mm)	-	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50					
PRICE WITH METALLIC EXTERNAL (€)	1.016 €	1.143 €	1.498 €	1.927 €	3.638 €	4.013 €
PRICE WITH PVC FABRIC (€)	-	-	-	-	3.021 €	3.303 €

- In all DHW tanks and forced circulation systems it is necessary the installation of an expansion tank, relief valve and anodic protection on the hot water loop.

Connection diameters

	BLLTGL150/2/ME	BLLTGL200/2/ME	BLLTGL300/2/ME	BLLTGL500/2/ME	BLLTGL750/2/ME BLLTGL750/2/SE	BLLTGL1000/2/ME BLLTGL1000/2/SE
A Cold water inlet	1"	1"	1"	1"	1"	1"
B Hot water outlet	1"	1"	1"	1"	1"	1"
C Lower exchanger's inlet	3/4"	1"	1"	1"	1"	1"
D Temperature sensor A	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
E Lower exchanger's outlet	3/4"	1"	1"	1"	1"	1"
F Upper exchanger's inlet	3/4"	1"	1"	1"	1"	1"
G Temperature sensor B	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H Upper exchanger's outlet	3/4"	1"	1"	1"	1"	1"
I Anode	-	-	-	1"	1"	1"
J Recirculation	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
M Thermometer	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
N Electric back-up element	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

Vertical tanks double (standard & long) exchanger



- Inner tank material: Cold rolled steel (DCP01-03/EK) sheet for inner tank body (EN 10130/2006)
- Welding type: Metal Inert Gas MIG welding
- External cover material 150L-500L: Pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- Insulation for metallic external cover: Hard Polyurethane Foam density 42kg/m³ (DIN 53420)
- External Cover material 750L- 1000L: PVC fabric removable with zipper
- Insulation for PVC fabric external cover: Soft polyurethane foam 100mm (750L & 1000L)
- Working pressure max: 8 bar (tank) tested at 12 bar (EN-12976-2:2006)
- Working temperature max: 95°C
- Cathodic protection: Magnesium anode rod
- Back-up heating element: Optional

750 & 1000 available also with metallic outer cladding

Specifications

	BLLTGL200/2LE	BLLTGL300/2LE	BLLTGL500/2LE	BLLTGL750/2LE/ME BLLTGL750/2LE	BLLTGL1000/2LE/ME BLLTGL1000/2LE
Actual capacity (lt)	174	267	453	736	907
Lower exchanger's capacity (lt)	7.7	10.8	13	21.2	34.7
Upper exchanger's capacity (lt)	3.5	5.2	5.6	10.3	13
Lower exchanger's surface (m ²)	1.97	2.8	3.9	5	5.95
Upper exchanger's surface (m ²)	0.48	0.83	0.93	1.52	1.9
Lower exchanger's diameter (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Upper exchanger's diameter (inch)	1"	1"	1"	1"	1"
A Cold water inlet (mm)	200	235	225	335	340
B Hot water outlet (mm)	1040	1615	1655	1495	1750
C Lower exchanger's inlet (mm)	610	850	840	845	1115
D Temperature sensor A (mm)	370	405	465	525	580
E Lower exchanger's outlet (mm)	200	250	220	325	350
F Upper exchanger's inlet (mm)	1040	1570	1655	1425	1740
G Temperature sensor B (mm)	920	1360	1370	1225	1560
H Upper exchanger's outlet (mm)	760	1150	1155	1015	1290
I Anode (mm)	-	-	1040	965	1220
J Recirculation (mm)	640	938	765	665	620
K Flange (mm)	390	370	435	465	570
L Total height (mm)	1250	1800	1920	1780	2020
M Thermometer (mm)	900	1500	1655	1485	1720
N Electric back-up element (mm)	670	1040	910	910	1160
O Diameter (mm)	580	580	700	940	940
Diameter with PVC fabric (mm)	-	-	-	1040	1040
Diameter inner tank (mm)	480	480	600	840	840
Max working pressure (bar)	8	8	8	8	8
Testing pressure (bar)	12	12	12	12	12
Weight SP & PVC ext (kg)	-	-	-	270	340
Weight metallic ext. (kg)	94	130	188	298	394
PVC fabric external cover, insulation thickness (mm)	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50				
PRICE WITH METALLIC EXTERNAL (€)	1.388 €	2.062 €	2.742 €	5.850 €	6.400 €
PRICE WITH PVC FABRIC (€)	-	-	-	4.916 €	5.327 €

Connection diameters

	BLLTGL200/2LE	BLLTGL300/2LE	BLLTGL500/2LE	BLLTGL750/2LE/ME BLLTGL750/2LE	BLLTGL1000/2LE/ME BLLTGL1000/2LE
A Cold water inlet	1"	1"	1"	1"	1"
B Hot water outlet	1"	1"	1"	1"	1"
C Lower exchanger's inlet	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
D Temperature sensor A	1/2"	1/2"	1/2"	1/2"	1/2"
E Lower exchanger's outlet	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
F Upper exchanger's inlet	1"	1"	1"	1"	1"
G Temperature sensor B	1/2"	1/2"	1/2"	1/2"	1/2"
H Upper exchanger's outlet	1"	1"	1"	1"	1"
I Anode	-	1"	1"	1"	1"
J Recirculation	3/4"	3/4"	3/4"	3/4"	3/4"
M Thermometer	1/2"	1/2"	1/2"	1/2"	1/2"
N Electric back-up element	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

• In all DHW tanks and forced circulation systems it is necessary the installation of an expansion tank, relief valve and anodic protection on the hot water loop.