

# BUFFER TANKS

THE BRIGHT  
SIDE OF ENERGY





Possibility  
of custom  
manufacture

- Manufactured according to EN 12897:2006 from cold rolled steel sheet
  - DCP01
  - DCP01-03 EK enameled
  - SS316L
- Metallic external cover option up to 500L: hard polyurethane injected foam, density 38-42kg/m<sup>3</sup> (DIN53420)
- PVC fabric external cover option 750 up to 1000L: soft polyurethane foam 100mm
- Option with additional anti corrosion protection enamel coating (DIN4753-3)
- Magnesium anode (DIN124382.2 EN12438)
- Models available to be used with: solar thermal - collectors, space heating, electric element and heat pump
- Optional in/outlets

We manufacture the no enameled buffer tanks for applications where water is stored inside them and is not intended for use and the enameled buffer tanks that are suitable for use.

These tanks are intended for special requirements.

They are manufactured according to the European standards and they are available from 40L up to 1000L.

The buffer tanks also include receptacles for temperature sensors and electric elements.

## Advantages

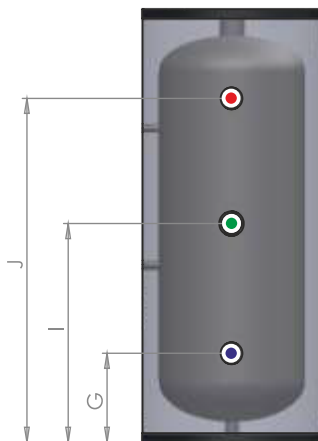
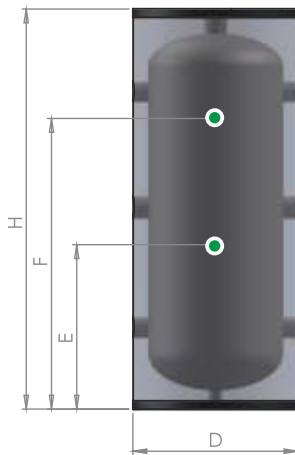
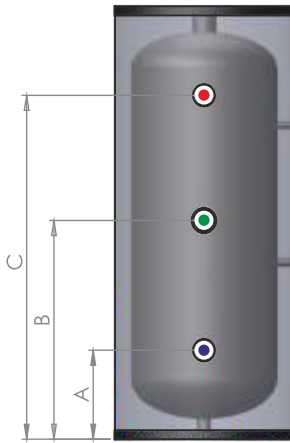
- Improving the running cost performance for each heating system
- Stable and fast hot water supply
- Great possibility of thermal energy storage
- Space saving design
- Additional heating to all traditional heating systems
- Long service life with judicious maintenance

## Applicable for:

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



# Buffer tanks less exchanger (40, 60, 80)



- **Inner tank material:** cold rolled steel (DCP01-03/EK) sheet  
Thickness 1,8 mm tank body (EN 10130/2006)
- **External cover material:** pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Welding type:** metal inert gas MIG welding
- **Insulation:** hard polyurethane foam density 38kg/m<sup>3</sup> (DIN 53420)
- **Working pressure max:** 8 bar (tank) tested at 12 bar (EN-12976-2/2006)
- **Working temperature max:** 95°C
- **Back-up heating element:** optional

## Specifications

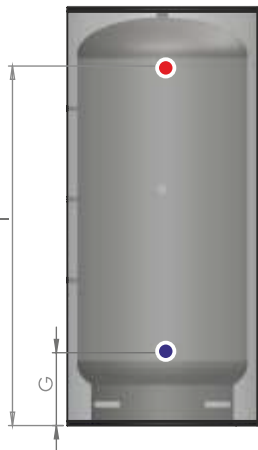
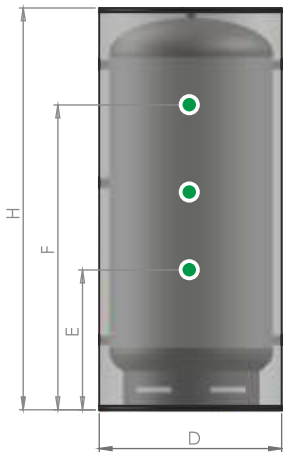
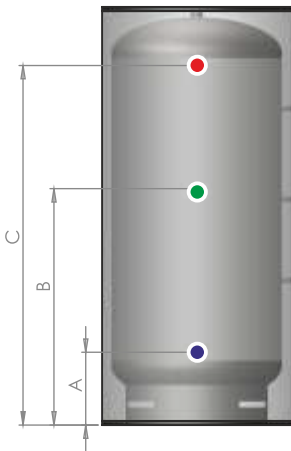
	BT.0.40.EN	BT.0.60.EN	BT.0.80.EN
Tank capacity (lt)	33	46	60
H Total height	580	710	900
D Diameter (metallic external cover) (mm)	400	400	400
A Optional inlet/outlet (mm)	165	150	180
B Optional inlet/outlet (mm)	260	285	465
C Optional inlet/outlet (mm)	415	560	740
E Optional inlet/outlet (mm)	260	285	375
F Optional inlet/outlet (mm)	415	560	675
G Optional inlet/outlet (mm)	195	150	180
I Optional inlet/outlet (mm)	290	285	465
J Optional inlet/outlet (mm)	445	560	740
Inner tank diameter (mm)	320	320	320
Maximum working pressure (bar)	8	8	8
Maximum test pressure (bar)	12	12	12
Weight with metallic external cover (kg)	28	35	42
Metallic external cover, insulation thickness (mm)	50		
WITHOUT ENAMEL PRICE (€)	336 €	364 €	390 €
ENAMELED PRICE (€)	407 €	443 €	471 €
INOX PRICE (€)	-	734 €	790 €

## Connection diameters

	BT.0.40.EN	BT.0.60.EN	BT.0.80.EN
A Optional inlet/outlet	1 1/4"	1 1/4"	1 1/4"
B Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"
C Optional inlet/outlet	1 1/4"	1 1/4"	1 1/4"
E Optional inlet/outlet	1/2"	1/2"	1/2"
F Optional inlet/outlet	1/2"	1/2"	1/2"
G Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"
I Optional inlet/outlet	1 1/4"	1 1/4"	1 1/4"

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

## Buffer tanks less exchanger



- **Inner tank material:** cold rolled steel (DCP01-03/EK) sheet. Thickness 2,5 mm (3,0mm @ 500) tank body (EN 10130/2006)
- **External cover material:** pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Welding type:** metal inert gas MIG welding
- **Insulation for metallic external cover:** hard polyurethane foam density 42kg/m<sup>3</sup> (DIN 53420)
- **Insulation for PVC fabric with zipper 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
- **Back-up heating element:** optional

### Specifications

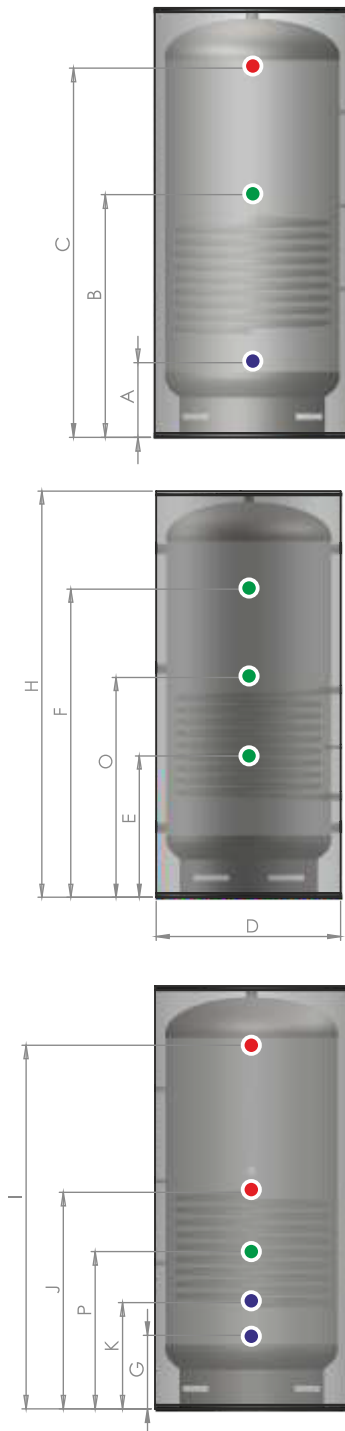
	BT.0.100.EN	BT.0.150.EN	BT.0.200.EN	BT.0.300.EN	BT.0.500.EN	BT.0.750.EN	BT.0.1000.EN
Tank capacity (lt)	98	139	197	301	480	820	972
H Total height	920	1250	1250	1800	1920	1800	2100
D Diameter (metallic external cover) (mm)	500	500	580	580	700	940	940
D Diameter (PVC fabric external cover) (mm)	-	-	-	-	-	1040	1040
A Optional inlet/outlet (mm)	175	175	185	185	220	340	360
B Optional inlet/outlet (mm)	450	635	650	995	1030	1000	1170
C Optional inlet/outlet (mm)	725	1065	1000	1605	1640	1510	1780
E Optional inlet/outlet (mm)	360	360	365	645	680	650	820
O Optional inlet/outlet (mm)	-	-	-	995	1030	925	1120
F Optional inlet/outlet (mm)	550	890	825	1395	1430	1250	1570
G Optional inlet/outlet (mm)	175	175	185	185	220	340	360
I Optional inlet/outlet (mm)	315	1065	1000	1605	1640	1510	1780
Inner tank diameter (mm)	400	400	480	480	600	840	840
Maximum working pressure (bar)	8	8	8	8	8	8	8
Maximum test pressure (bar)	12	12	12	12	12	12	12
Weight with PVC fabric external cover (kg)	-	-	-	-	-	187	250
Weight with metallic external cover (kg)	48	63	55	95	150	209	278
PVC fabric external cover, insulation thickness (mm)	-	-	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50						
WITHOUT ENAMEL PRICE (€)	407 €	545 €	635 €	720 €	1.157 €	1.368 €	1.608 €
ENAMELED PRICE (€)	494 €	658 €	770 €	861 €	1.382 €	1.735 €	2.045 €
INOX PRICE (€)	861 €	982 €	1.241 €	1.523 €	2.524 €	Upon Request	Upon Request

### Connection diameters

	BT.0.100.EN	BT.0.150.EN	BT.0.200.EN	BT.0.300.EN	BT.0.500.EN	BT.0.750.EN	BT.0.1000.EN
A Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
B Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
C Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
E Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
O Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
F Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
G Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
I Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

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

# Buffer tanks single exchanger



- In all DHW buffer 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. Thickness 2,5 mm (3,0mm @ 500) tank body (EN 10130/2006)
- **External cover material:** pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Welding type:** metal inert gas MIG welding
- **Insulation for metallic external cover:** hard polyurethane foam density 42kg/m<sup>3</sup> (DIN 53420)
- **Insulation for PVC fabric with zipper 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
- **Back-up heating element:** optional

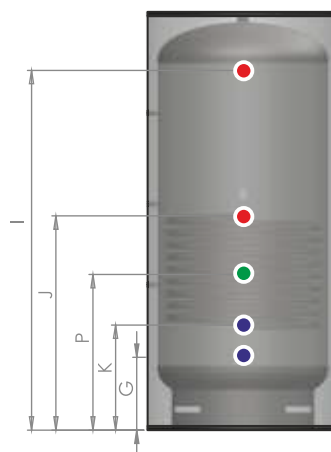
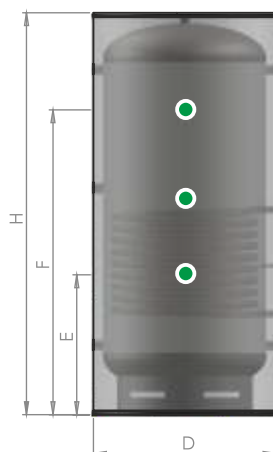
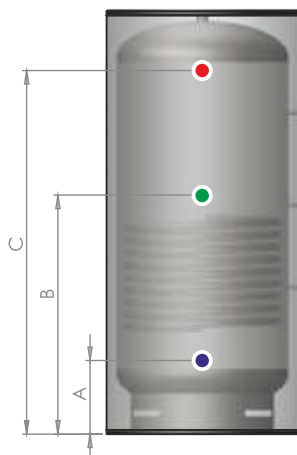
## Specifications

	BT.1.150.EN	BT.1.200.EN	BT.1.300.EN	BT.1.500.EN	BT.1.750.EN	BT.1.1000.EN
Tank capacity (lt)	131	183	277	470	766	928
H Total height	1250	1250	1800	1920	1800	2100
D Diameter (metallic external cover) (mm)	500	580	580	700	940	940
D Diameter (PVC fabric external cover) (mm)	-	-	-	-	1040	1040
A Optional inlet/outlet (mm)	175	185	185	220	340	360
B Optional inlet/outlet (mm)	635	650	995	1030	1000	1170
C Optional inlet/outlet (mm)	1065	1000	1605	1640	1510	1780
E Optional inlet/outlet (mm)	360	365	645	680	650	820
O Optional inlet/outlet (mm)	-	-	995	1030	925	1120
F Optional inlet/outlet (mm)	890	825	1395	1430	1250	1570
G Optional inlet/outlet (mm)	175	185	185	220	340	360
I Optional inlet/outlet (mm)	1065	1000	1605	1640	1510	1780
J Main exchanger inlet (mm)	585	555	935	970	925	1060
P Temperature sensor (mm)	445	215	645	630	735	770
K Main exchanger outlet (mm)	315	320	345	380	550	520
Inner tank diameter (mm)	400	480	480	600	840	840
Main exchanger cross section (inch)	3/4"	1"	1"	1"	1"	1"
Main exchanger surface (m <sup>2</sup> )	0.28	0.38	0.60	0.90	1.20	1.70
Main exchanger capacity (l)	1.5	1.7	2.4	2.7	3.5	4.8
Maximum working pressure (bar)	8	8	8	8	8	8
Maximum test pressure (bar)	12	12	12	12	12	12
Weight with PVC fabric external cover (kg)	-	-	-	-	237	300
Weight with metallic external cover (kg)	68	85	115	174	259	328
PVC fabric external cover, insulation thickness (mm)	-	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50					
WITHOUT ENAMEL PRICE (€)	700 €	815 €	875 €	1.312 €	1.557 €	1.802 €
ENAMELED PRICE (€)	818 €	1.030 €	1.050 €	1.551 €	1.969 €	2.327 €
INOX PRICE (€)	1.157 €	1.495 €	1.805 €	2.877 €	Upon Request	Upon Request

## Connection diameters

	BT.1.150.EN	BT.1.200.EN	BT.1.300.EN	BT.1.500.EN	BT.1.750.EN	BT.1.1000.EN
A Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
B Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
C Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
E Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
O Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
F Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
G Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
I Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
J Exchanger input	3/4"	3/4"	1"	1"	1"	1"
P Temperature sensor	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
K Exchanger output	3/4"	3/4"	1"	1"	1"	1"

## Buffer tanks single long exchanger



- **Inner tank material:** cold rolled steel (DCP01-03/EK) sheet. Thickness 2,5 mm (3,0mm @ 500) tank body (EN 10130/2006)
- **External cover material:** pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Welding type:** metal inert gas MIG welding
- **Insulation for metallic external cover:** hard polyurethane foam density 42kg/m<sup>3</sup> (DIN 53420)
- **Insulation for PVC fabric with zipper 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
- **Back-up heating element:** optional

### Specifications

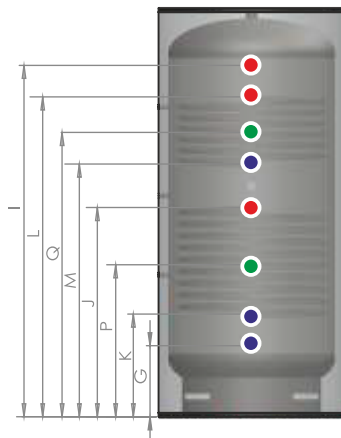
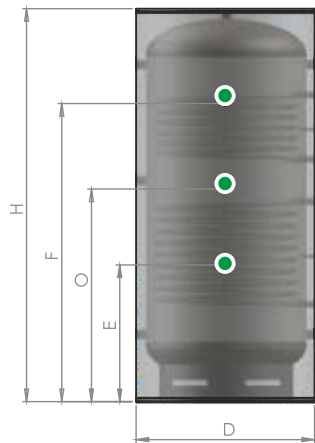
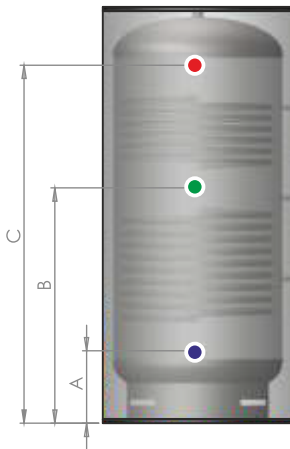
	BT.1.200.EN.1LE	BT.1.300.EN.1LE	BT.1.500.EN.1LE	BT.1.750.EN.1LE	BT.1.1000.EN.1LE
Tank capacity (lt)	180	274	463	755	914
H Total height	1250	1800	1920	1800	2100
D Diameter (metallic external cover) (mm)	580	580	700	940	940
D Diameter (PVC fabric external cover) (mm)	-	-	-	1040	1040
A Optional inlet/outlet (mm)	185	185	220	340	360
B Optional inlet/outlet (mm)	650	995	1030	1000	1170
C Optional inlet/outlet (mm)	1000	1605	1640	1510	1780
E Optional inlet/outlet (mm)	365	645	680	650	820
O Optional inlet/outlet (mm)	-	995	1030	925	1120
F Optional inlet/outlet (mm)	825	1395	1430	1250	1570
G Optional inlet/outlet (mm)	185	185	220	340	360
I Optional inlet/outlet (mm)	1000	1605	1640	1510	1780
J Main exchanger inlet (mm)	555	935	970	925	1060
P Temperature sensor (mm)	215	645	630	735	770
K Main exchanger outlet (mm)	320	345	380	550	520
Inner tank diameter (mm)	480	480	600	840	840
Main exchanger cross section (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Main exchanger surface (m <sup>2</sup> )	1.97	2.8	3.9	5	5.9
Main exchanger capacity (l)	9.8	12	13.5	18.4	20
Maximum working pressure (bar)	8	8	8	8	8
Maximum test pressure (bar)	12	12	12	12	12
Weight with PVC fabric external cover (kg)	-	-	-	200	285
Weight with metallic external cover (kg)	72	101	155	225	305
PVC fabric external cover, insulation thickness (mm)	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50				
WITHOUT ENAMEL PRICE (€)	1.120 €	1.580 €	2.122 €	3.920 €	4.312 €
ENAMELED PRICE (€)	Upon Request	Upon Request	Upon Request	4.634 €	5.174 €
INOX PRICE (€)	Upon Request	Upon Request	Upon Request	Upon Request	Upon Request

### Connection diameters

	BT.1.200.EN.1LE	BT.1.300.EN.1LE	BT.1.500.EN.1LE	BT.1.750.EN.1LE	BT.1.1000.EN.1LE
A Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
B Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
C Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
E Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"
O Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"
F Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"
G Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
I Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
J Exchanger input	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
P Temperature sensor	1/2"	1/2"	1/2"	1/2"	1/2"
K Exchanger output	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

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

# Buffer tanks double exchanger



- **Inner tank material:** cold rolled steel (DCP01-03/EK) sheet. Thickness 2,5 mm (3,0mm @ 500) tank body (EN 10130/2006)
- **External cover material:** pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Welding type:** metal inert gas MIG welding
- **Insulation for metallic external cover:** hard polyurethane foam density 42kg/m<sup>3</sup> (DIN 53420)
- **Insulation for PVC fabric with zipper 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
- **Back-up heating element:** optional

## Specifications

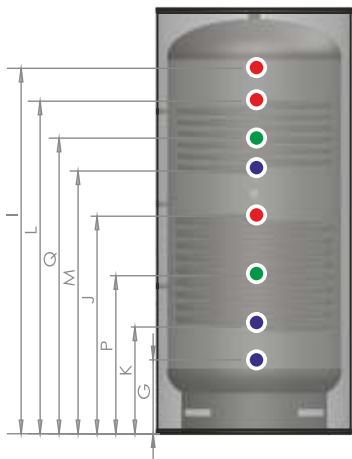
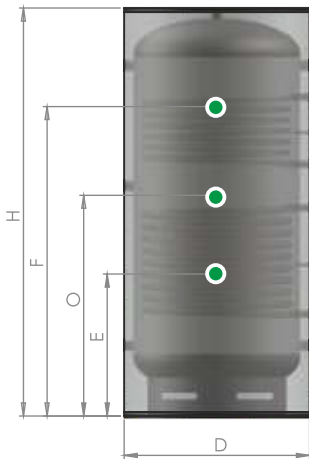
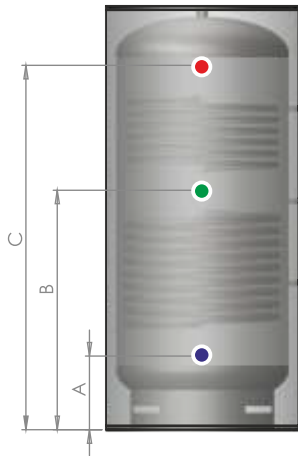
	BT.2.150.EN	BT.2.200.EN	BT.2.300.EN	BT.2.500.EN	BT.2.750.EN	BT.2.1000.EN
<b>Tank capacity (lt)</b>	131	178	270	460	751	912
<b>H Total height</b>	1250	1250	1800	1920	1800	2100
<b>D Diameter</b>	500	580	580	700	940	940
<b>D Diameter (metallic external cover) (mm)</b>					1040	1040
<b>D Diameter (PVC fabric external cover) (mm)</b>					1040	1040
<b>A Optional inlet/outlet (mm)</b>	175	185	185	220	340	360
<b>B Optional inlet/outlet (mm)</b>	635	650	995	1030	1000	1170
<b>C Optional inlet/outlet (mm)</b>	1065	1000	1605	1640	1510	1780
<b>E Optional inlet/outlet (mm)</b>	355	395	545	580	500	720
<b>O Optional inlet/outlet (mm)</b>	-	-	995	1030	925	1120
<b>F Optional inlet/outlet (mm)</b>	885	855	1395	1430	1350	1570
<b>G Optional inlet/outlet (mm)</b>	175	185	185	220	340	360
<b>I Optional inlet/outlet (mm)</b>	1065	1000	1605	1640	1510	1780
<b>J Main exchanger inlet (mm)</b>	585	555	935	970	925	1060
<b>P Temperature sensor (mm)</b>	445	215	645	630	735	770
<b>K Main exchanger outlet (mm)</b>	315	320	345	380	550	520
<b>L Secondary exchanger inlet (mm)</b>	950	895	1445	1480	1360	1620
<b>Q Temperature sensor (mm)</b>	865	1035	1295	1330	1250	1440
<b>M Secondary exchanger outlet (mm)</b>	780	725	1124	1160	1120	1280
<b>Inner tank diameter (mm)</b>	400	480	480	600	840	840
<b>Main exchanger cross section (inch)</b>	3/4"	1"	1"	1"	1"	1"
<b>Cross section of secondary exchanger (inches)</b>	3/4"	1"	1"	1"	1"	1"
<b>Main exchanger surface (m<sup>2</sup>)</b>	0.28	0.38	0.60	0.90	1.20	1.70
<b>Secondary exchanger surface area (m<sup>2</sup>)</b>	0.20	0.25	0.35	0.65	0.90	1.16
<b>Main exchanger capacity (l)</b>	2.3	2.2	3.6	3.9	5	7.5
<b>Secondary exchanger capacity (l)</b>	1.5	1.7	2.4	2.7	3.5	4.8
<b>Maximum working pressure (bar)</b>	8	8	8	8	8	8
<b>Maximum test pressure (bar)</b>	12	12	12	12	12	12
<b>Weight with PVC fabric external cover (kg)</b>	-	-	-	-	237	300
<b>Weight with metallic external cover (kg)</b>	68	85	115	174	259	328
<b>PVC fabric external cover, insulation thickness (mm)</b>	-	-	-	-	100	
<b>Metallic external cover, insulation thickness (mm)</b>	50					
<b>WITHOUT ENAMEL PRICE (€)</b>	762 €	889 €	1.030 €	1.690 €	1.819 €	2.073 €
<b>ENAMELED PRICE (€)</b>	889 €	1.002 €	1.171 €	1.972 €	2.234 €	2.651 €
<b>INOX PRICE (€)</b>	1.439 €	1.833 €	2.200 €	3.243 €	Upon Request	Upon Request

- In all DHW buffer 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

	BT.2.150.EN	BT.2.200.EN	BT.2.300.EN	BT.2.500.EN	BT.2.750.EN	BT.2.1000.EN
<b>A Optional inlet/outlet</b>	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<b>B Optional inlet/outlet</b>	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<b>C Optional inlet/outlet</b>	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<b>E Optional inlet/outlet</b>	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
<b>F Optional inlet/outlet</b>	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
<b>G Optional inlet/outlet</b>	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<b>I Optional inlet/outlet</b>	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<b>J Main exchanger input</b>	3/4"	1"	1"	1"	1"	1"
<b>K Main exchanger outlet</b>	3/4"	1"	1"	1"	1"	1"
<b>L Secondary exchanger inlet</b>	3/4"	1"	1"	1"	1"	1"
<b>M Secondary exchanger outlet</b>	3/4"	1"	1"	1"	1"	1"

## Buffer tanks double exchanger (1 standard & 1 long)



- **Inner tank material:** cold rolled steel (DCP01-03/EK) sheet. Thickness 2,5 mm (3,0mm @ 500) tank body (EN 10130/2006)
- **External cover material:** pre-painted RAL 9010 galvanised steel sheet 0,5mm (EN 10204/2.2)
- **Welding type:** metal inert gas MIG welding
- **Insulation for metallic external cover:** hard polyurethane foam density 42kg/m<sup>3</sup> (DIN 53420)
- **Insulation for PVC fabric with zipper 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
- **Back-up heating element:** optional

### Specifications

	BT.2.200.EN.2LE	BT.2.300.EN.2LE	BT.2.500.EN.2LE	BT.2.750.EN.2LE	BT.2.1000.EN.2LE
Tank capacity (lt)	174	267	453	746	897
H Total height (mm)	1250	1800	1920	1800	2100
D Diameter (metallic external cover) (mm)	580	580	700	940	940
D Diameter (PVC fabric external cover) (mm)	-	-	-	1040	1040
A Optional inlet/outlet (mm)	185	185	220	340	360
B Optional inlet/outlet (mm)	650	995	1030	1000	1170
C Optional inlet/outlet (mm)	1000	1605	1640	1510	1780
E Optional inlet/outlet (mm)	395	545	580	500	720
O Optional inlet/outlet (mm)	-	995	1030	925	1120
F Optional inlet/outlet (mm)	855	1395	1430	1350	1570
G Optional inlet/outlet (mm)	185	185	220	340	360
I Optional inlet/outlet (mm)	1000	1605	1640	1510	1780
J Main exchanger inlet (mm)	555	935	970	925	1060
P Temperature sensor (mm)	215	645	630	735	770
K Main exchanger outlet (mm)	320	345	380	550	520
L Secondary exchanger inlet (mm)	895	1445	1480	1360	1620
Q Temperature sensor (mm)	1035	1295	1330	1250	1440
M Secondary exchanger outlet (mm)	725	1124	1160	1120	1280
Inner tank diameter (mm)	480	480	600	840	840
Main exchanger cross section (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Cross section of secondary exchanger (inches)	1"	1"	1"	1"	1"
Main exchanger surface (m <sup>2</sup> )	1.97	2.8	3.9	5	5.9
Secondary exchanger surface area (m <sup>2</sup> )	0.3	0.6	0.8	0.9	1.16
Main exchanger capacity (l)	9.8	12	13.5	18.4	20
Secondary exchanger capacity (l)	1.7	2.4	2.7	3.5	4.8
Maximum working pressure (bar)	8	8	8	8	8
Maximum test pressure (bar)	12	12	12	12	12
Weight with PVC fabric external cover (kg)	-	-	-	259	330
Weight with metallic external cover (kg)	90	11	177	278	375
PVC fabric external cover, insulation thickness (mm)	-	-	-	100	
Metallic external cover, insulation thickness (mm)	50				
<b>WITHOUT ENAMEL PRICE (€)</b>	1.457 €	2.165 €	2.880 €	5.162 €	5.594 €
<b>ENAMELED PRICE (€)</b>	Upon Request	Upon Request	Upon Request	6.143 €	6.720 €
<b>INOX PRICE (€)</b>	Upon Request	Upon Request	Upon Request	Upon Request	Upon Request

### Connection diameters

	BT.2.200.EN.2LE	BT.2.300.EN.2LE	BT.2.500.EN.2LE	BT.2.750.EN.2LE	BT.2.1000.EN.2LE
A Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
B Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
C Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
E Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"
O Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"
F Optional inlet/outlet	1/2"	1/2"	1/2"	1/2"	1/2"
G Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
I Optional inlet/outlet	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
J Main exchanger inlet	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
P Temperature sensor	1/2"	1/2"	1/2"	1/2"	1/2"
K Main exchanger outlet	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
L Secondary exchanger inlet	1"	1"	1"	1"	1"
Q Temperature sensor	1/2"	1/2"	1/2"	1/2"	1/2"
M Secondary exchanger outlet	1"	1"	1"	1"	1"

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