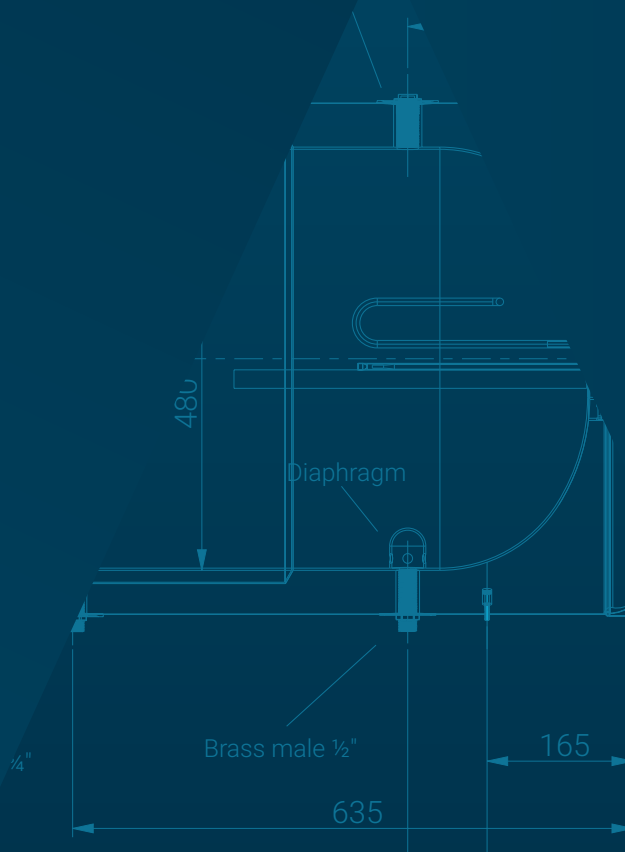




THERMOSIPHONIC TANKS

Following the trends and needs of the market, VENMAN has created a new line of thermosiphonic tanks. This brand new line will provide solutions to modern demands for even more money saving solar systems. In the following pages you can see all the technical features of the products.



TECHNICAL SPECIFICATIONS

Main Tank's Material	Cold-rolled sheet metal in the storage tank (EN 10130:2007) and the jacket (heat exchanger) (EN 10130:2007)
Internal Anti-corrosion Protection	a) LIQUID enamel (DIN 4753-3), totally safe for public health and b) magnesium anode (EN 12438)
Welding	MIG
Insulation	Hard polyurethane foam 48kg/m ³ (DIN 53420)
Maximum Working Pressure for the Main Tank	10 bar
Test pressure for the Main Tank	15 bar (EN 12976-1)
Maximum Working Pressure for the Jacket (exchanger)	3,2 bar
Test Pressure for the Jacket (exchanger)	5 bar (EN 12976-1)
Maximum Working Temperature of the Main Tank	95°C
Heating Element	Optional, upon request
External Cover	Pre-painted galvanized sheet metal / galvanized sheet metal with coating Zn-Mg / Stainless steel 0,5mm

	ECO-F model	80 lt	120 lt	150 lt	200 lt	250 lt	300 lt
	Gross Capacity (lt)	78	116	144	199	242	295
A	Tank's Length (mm)	945	1065	1285	1285	1555	1785
B	External Diameter (mm)	Ø 460	Ø 500	Ø 500	Ø 580	Ø 580	Ø 580
C	Main Tank's Diameter (mm)	Ø 360	Ø 400	Ø 400	Ø 480	Ø 480	Ø 480
	Jacket's Capacity (lt)	4,7	6	8	9	12	19
D	Flange Diameter (mm)	Ø 140	Ø 140	Ø 140	Ø 140	Ø 140	Ø 140
	Weight (kg)	37	46	58	68	82	100





AVAILABLE EXTERNAL MATERIALS



INOX



MAGNELIS



ALUMINIUM*

AVAILABLE COLOURS (PRE-PAINTED GALVANIZED STEEL SHEET)



RAL 9006

RAL 9007



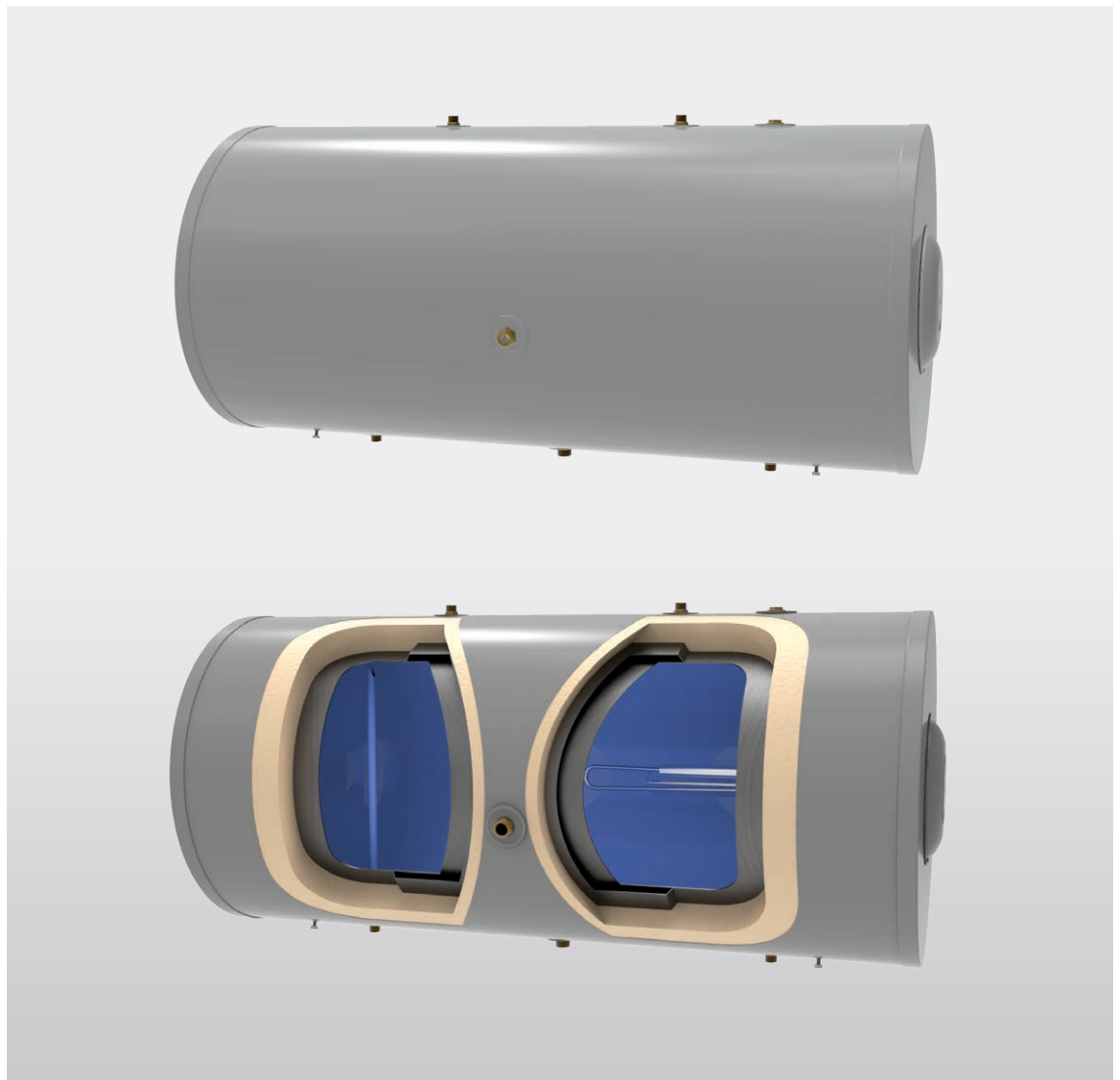
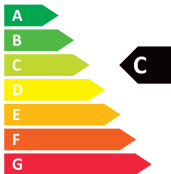
RAL 9010

RAL 1015*

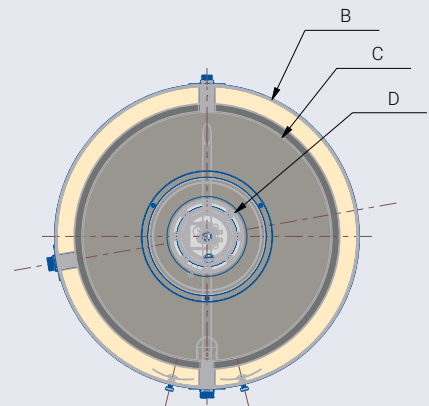
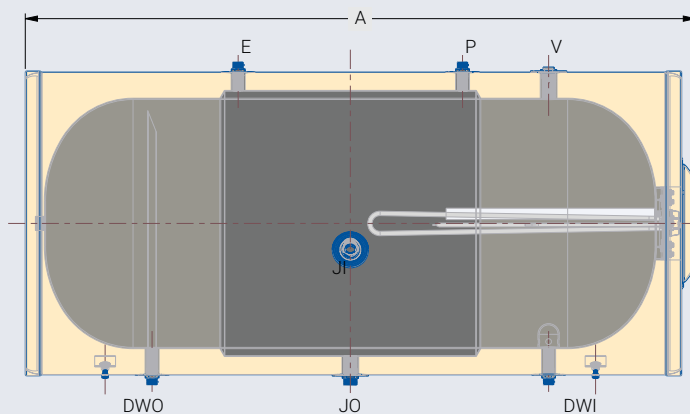


RAL 9005*

* Upon request



E	Pressure valve position protecting closed circuit		
P	Inlet to fill exchanger's solution and (optional) expansion vessel position		
V	Pressure and temperature valve position protecting main tank		
DWO	Domestic hot Water Outlet	JO	Closed circuit cold water outlet
DWI	Domestic cold Water Inlet	JI	Closed circuit hot water inlet



It can also be produced as open-circuit systems

ECO-F BT

Type



TECHNICAL SPECIFICATIONS

Main Tank's Material	Cold-rolled sheet metal in the storage tank (EN 10130:2007) and the jacket (heat exchanger) (EN 10130:2007)
Internal Anti-corrosion Protection	a) LIQUID enamel (DIN 4753-3), totally safe for public health and b) magnesium anode (EN 12438)
Welding	MIG
Insulation	Hard polyurethane foam 48kg/m ³ (DIN 53420)
Maximum Working Pressure for the Main Tank	10 bar
Test pressure for the Main Tank	15 bar (EN 12976-1)
Maximum Working Pressure for the Jacket (exchanger)	3,2 bar
Test Pressure for the Jacket (exchanger)	5 bar (EN 12976-1)
Maximum Working Temperature of the Main Tank	95°C
Heating Element	Optional, upon request
External Cover	Pre-painted galvanized sheet metal / galvanized sheet metal with coating Zn-Mg / Stainless steel 0,5mm

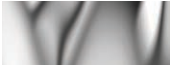
	ECO-F BT model	120 lt	150 lt	150 lt BTS	200 lt	250 lt	300 lt
	Gross Capacity (lt)	116	144	159	199	242	295
A	Tank's Length (mm)	1090	1310	1010	1310	1580	1810
B	External Diameter (mm)	Ø 500	Ø 500	Ø 580	Ø 580	Ø 580	Ø 580
C	Main Tank's Diameter (mm)	Ø 400	Ø 400	Ø 480	Ø 480	Ø 480	Ø 480
	Jacket's Capacity (lt)	6	8	9	9	12	19
D	Flange Diameter (mm)	Ø 140	Ø 140	Ø 140	Ø 140	Ø 140	Ø 140
	Weight (kg)	46	58	55	68	82	100

BTS 150 lt





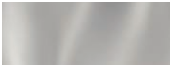
AVAILABLE EXTERNAL MATERIALS



INOX



MAGNELIS



ALUMINIUM*

AVAILABLE COLOURS (PRE-PAINTED GALVANIZED STEEL SHEET)



RAL 9006

RAL 9007



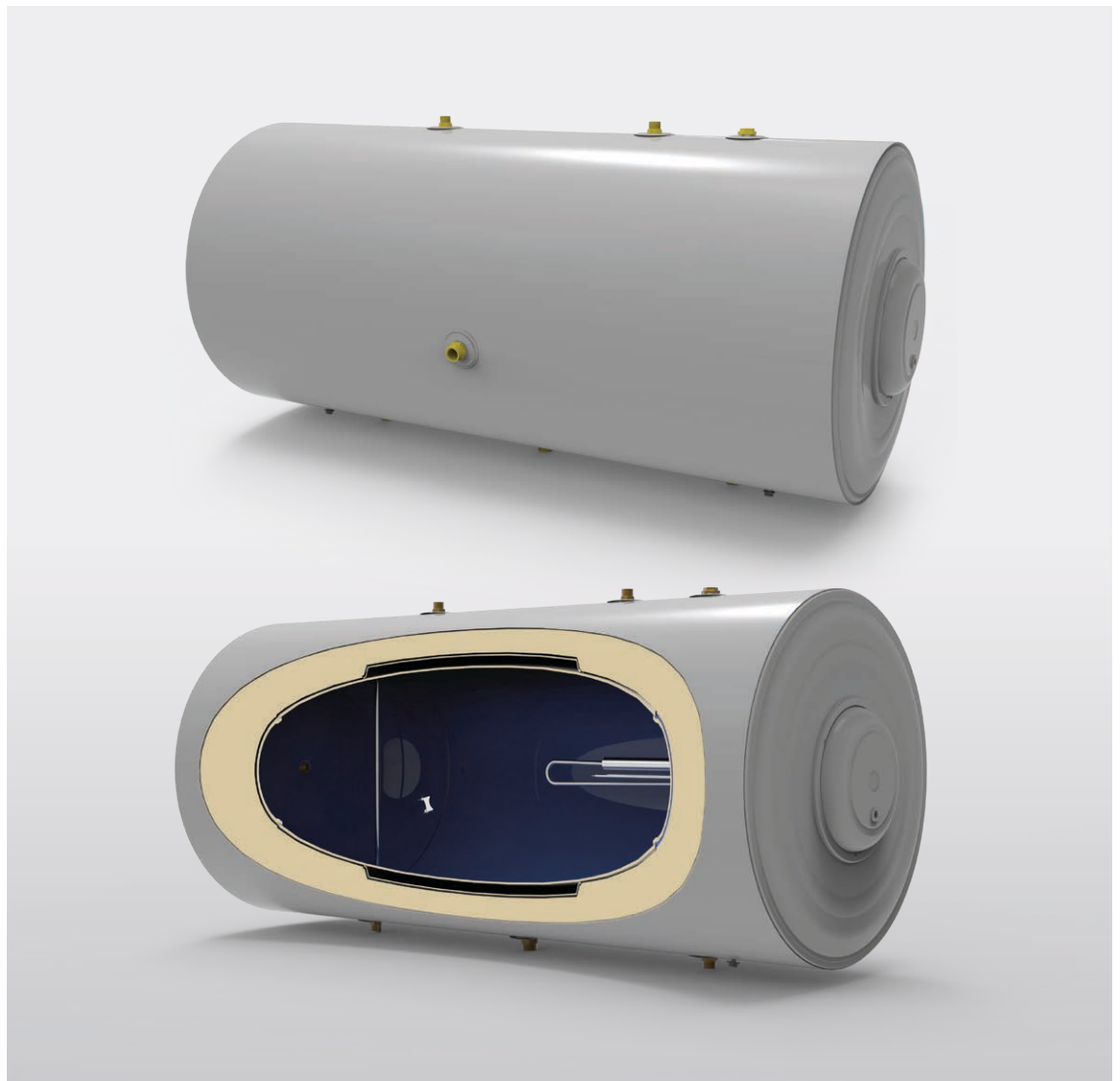
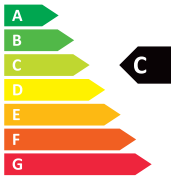
RAL 9010

RAL 1015*

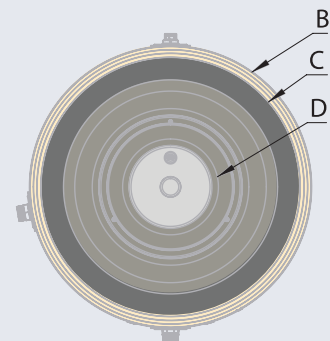
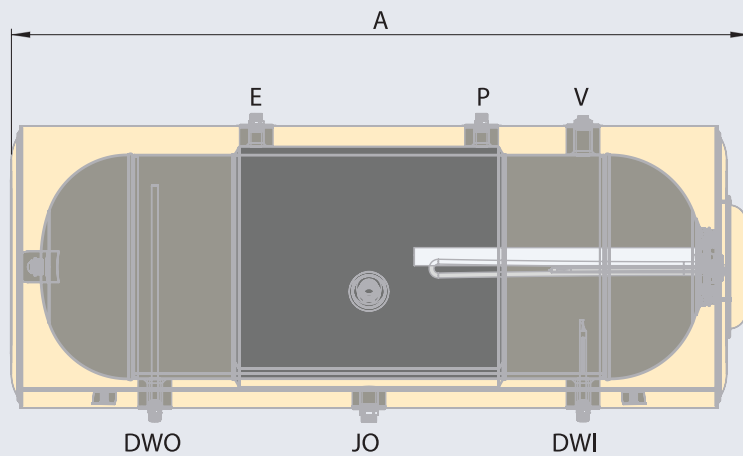


RAL 9005*

* Upon request



E	Pressure valve position protecting closed circuit		
P	Inlet to fill exchanger's solution and (optional) expansion vessel position		
V	Pressure and temperature valve position protecting main tank		
DWO	Domestic hot Water Outlet	JO	Closed circuit cold water outlet
DWI	Domestic cold Water Inlet	JI	Closed circuit hot water inlet



It can also be produced as open-circuit systems

TECHNICAL SPECIFICATIONS

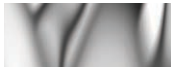
Main Tank's Material	Cold-rolled sheet metal in the storage tank (EN 10130:2007) and the jacket (heat exchanger) (EN 10130:2007)
Internal Anti-corrosion Protection	a) LIQUID enamel (DIN 4753-3), totally safe for public health and b) magnesium anode (EN 12438)
Welding	MIG
Insulation	Hard polyurethane foam 48kg/m ³ (DIN 53420)
Maximum Working Pressure for the Main Tank	10 bar
Test pressure for the Main Tank	15 bar (EN 12976-1)
Maximum Working Pressure for the Jacket (exchanger)	3,2 bar
Test Pressure for the Jacket (exchanger)	5 bar (EN 12976-1)
Maximum Working Temperature of the Main Tank	95°C
Heating Element	Optional, upon request
External Cover	Pre-painted galvanized sheet metal / galvanized sheet metal with coating Zn-Mg / Stainless steel 0,5mm

	ECO-SXF model	120 lt	150 lt	200 lt	300 lt	500 lt
	Gross Capacity (lt)	116	144	199	295	502
A	Tank's Length (mm)	1058	1330	1330	1805	1737
B	External Diameter (mm)	Ø 500	Ø 500	Ø 580	Ø 580	Ø 750
C	Main Tank's Diameter (mm)	Ø 400	Ø 400	Ø 480	Ø 480	Ø 640
	Jacket's Capacity (lt)	6	8	9	19	24
D	Flange Diameter (mm)	Ø 140	Ø 140	Ø 140	Ø 140	Ø 140
	Weight (kg)	48	60	70	102	132





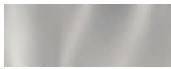
AVAILABLE EXTERNAL MATERIALS



INOX



MAGNELIS



ALUMINIUM*

AVAILABLE COLOURS (PRE-PAINTED GALVANIZED STEEL SHEET)



RAL 9006

RAL 9007



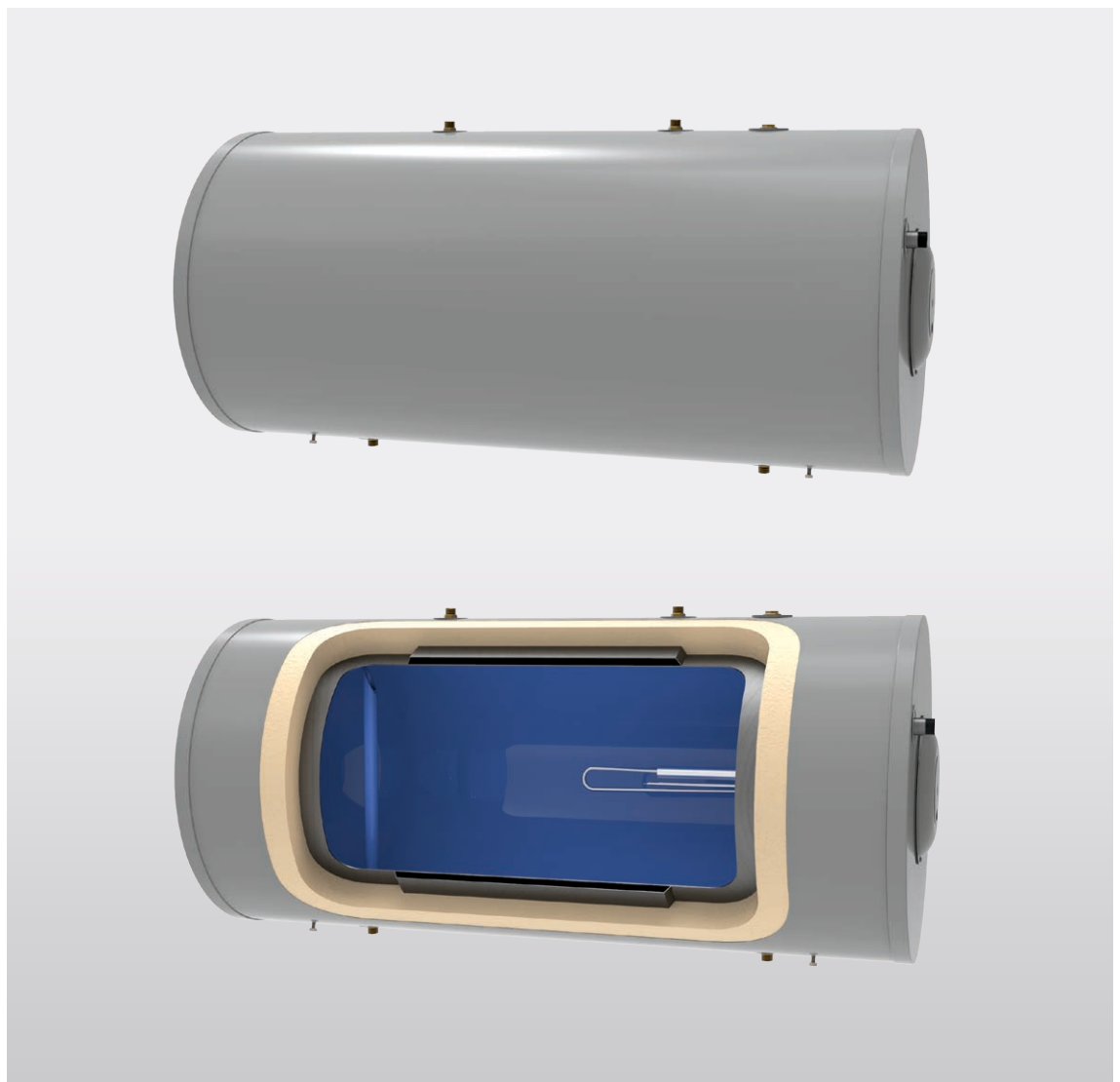
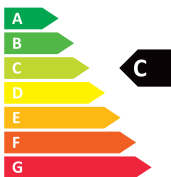
RAL 9010

RAL 1015*

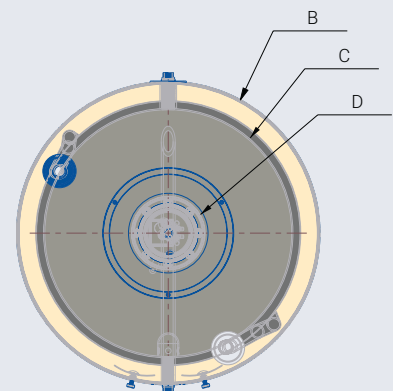
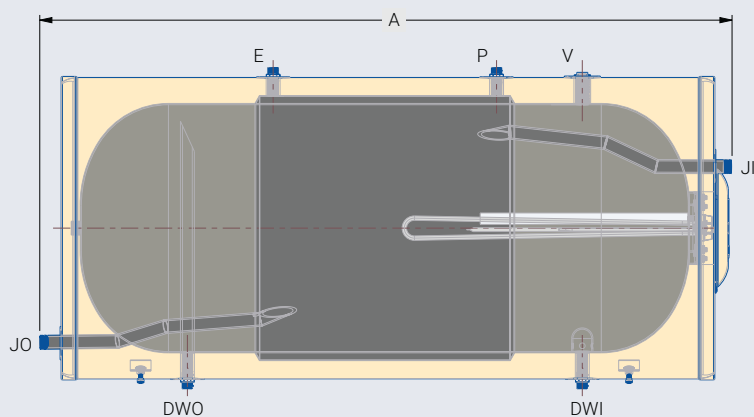


RAL 9005*

* Upon request



E	Pressure valve position protecting closed circuit		
P	Inlet to fill exchanger's solution and (optional) expansion vessel position		
V	Pressure and temperature valve position protecting main tank		
DWO	Domestic hot Water Outlet	JO	Closed circuit cold water outlet
DWI	Domestic cold Water Inlet	JI	Closed circuit hot water inlet



It can also be produced as open-circuit systems

TECHNICAL SPECIFICATIONS

Main Tank's Material	Cold-rolled sheet metal in the storage tank (EN 10130:2007) and the jacket (heat exchanger) (EN 10130:2007)
Internal Anti-corrosion Protection	a) LIQUID enamel (DIN 4753-3), totally safe for public health and b) magnesium anode (EN 12438)
Welding	MIG
Insulation	Hard polyurethane foam 48kg/m ³ (DIN 53420)
Maximum Working Pressure for the Main Tank	10 bar
Test pressure for the Main Tank	15 bar (EN 12976-1)
Maximum Working Pressure for the Jacket (exchanger)	3,2 bar
Test Pressure for the Jacket (exchanger)	5 bar (EN 12976-1)
Maximum Working Temperature of the Main Tank	95°C
Heating Element	Optional, upon request
External Cover	Pre-painted galvanized sheet metal / galvanized sheet metal with coating Zn-Mg / Stainless steel 0,5mm

ADVANTAGES

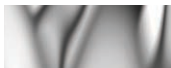
- > Exchanger of big surface and power for the proper function of the heat pump.
- > One solid structure between tank and exchanger, with homogeneous surface for both of it.
- > Free flange which helps the easily maintenance.

	VHP-TT model	150 lt	200 lt	300 lt	500 lt
	Gross Capacity (lt)	144	199	295	502
A	Tank's Length (mm)	1285	1285	1785	1737
B	External Diameter (mm)	Ø 500	Ø 580	Ø 580	Ø 750
C	Main Tank's Diameter (mm)	Ø 400	Ø 480	Ø 480	Ø 640
	Jacket's Capacity (lt)	8	9	19	24
	Coil Surface 1" (m ²)	1,6	2,1	3,1	4
	Coil Capacity 1" (lt)	9,92	13,22	19,83	24,45
	Coil max Pressure (bar)	25	25	25	25
	Coil max Temperature (°C)	100	100	100	100
D	Flange Diameter (mm)	Ø 140	Ø 140	Ø 140	Ø 140
	Weight (kg)	84	99	130	189





AVAILABLE EXTERNAL MATERIALS



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RAL 9006

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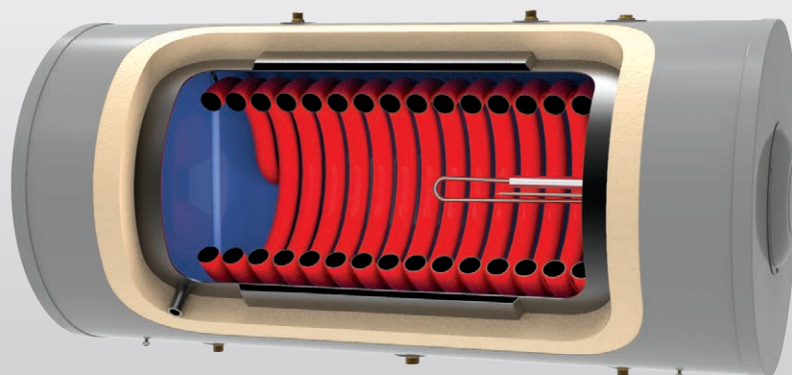
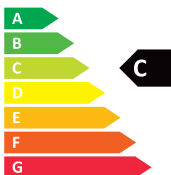
RAL 9010

RAL 1015*

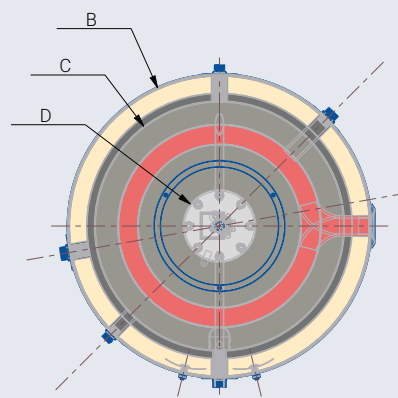
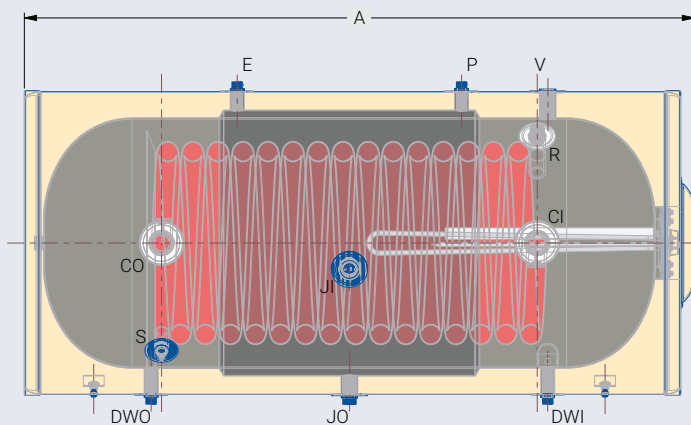


RAL 9005*

* Upon request



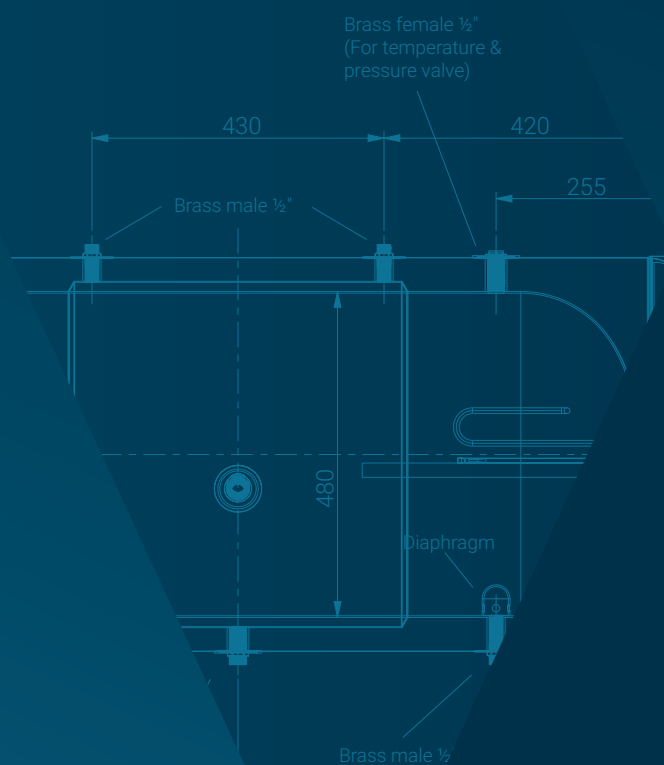
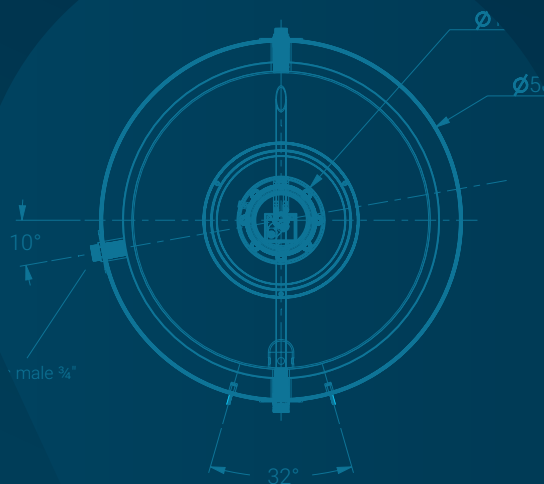
E	Pressure valve position protecting closed circuit		
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DWO	Domestic hot Water Outlet	JO	Closed circuit cold water outlet
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