EN edition

2025 PRODUCT CATALOGUE

STAINLESS STEEL DHW STORAGE TANKS

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Manufacturing Excellence

CONTENTS

JOULE GROUP

Joule Grup Ltd is a business which gathers one of the largest manufacturers and suppliers of renewable energy source solutions in Western Europe. The Joule Group companies have nearly 1,500 employees and an annual turnover in excess of 350 MEUR.

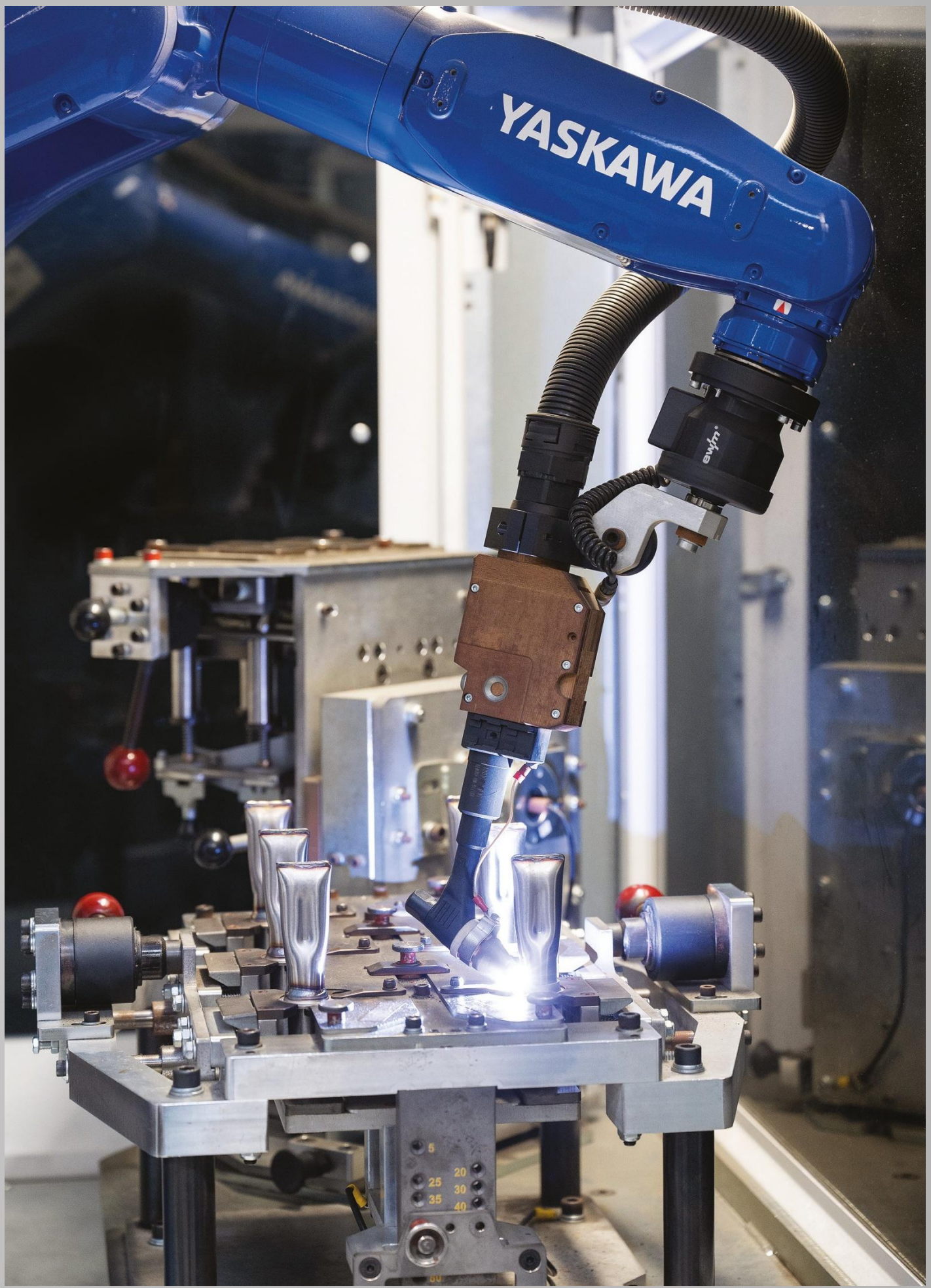
The Group's manufacturing plants include:

- A production site in Houten, the Netherlands, founded in 1908 and manufacturing high-quality hot water copper tanks of 5 to 120 litres, electric kitchen heaters or air source heat pumps.
- A manufacturing site in Dublin, Ireland, established in 2007 and manufacturing hot water tanks for private households, exhaust ventilation systems plus air sources, space heating radiators, underfloor heating solutions and ventilation systems.
- A production site in Leeds, UK, which — following the acquisition of RM Cylinders in 2018 – – employs more than 230 people, generating a turnover of 60 MEUR per year, becoming the market leader for DHW tanks in the UK.
- A production site in Porto, Portugal, founded in 1982 and a leading manufacturer of stainless steel hot water tanks in Portugal, now rapidly expanding its business in Spain. More than 80% of its production output is OEM brands supplied to customers in Europe and the USA. The plant manufactures DHW tanks from 90 to 5,000 litres and has a workforce of more than 320. Fully automated butt-welding processes virtually eliminate all manufacturing errors.

JOULE POLAND

Joule Poland is the third largest distribution centre of the Joule Group. Joule Poland was established in Poland in 2012 and markets stainless steel storage and buffer tanks for DHW with capacities ranging from 90 to 5000 litres. The products are becoming increasingly popular every year with our customers, for whom quality comes first.

Joule Poland currently employs more than 40 people. It supplies products to Poland and neighbouring countries, including Lithuania, Latvia, Slovakia, the Czech Republic, Germany, and Belgium.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COMFORTZONE
VÄRMEPUMPAR
VIDEIRA
climer
TECHNOLOGY

THE MISSION

The Joule Group is continuing its growth to become a leading European brand providing comprehensive solutions for the production of heat pumps and domestic hot water supply equipment.

Coupled with research and development of innovative products, local production ensures close contact with customers. This empowers the Group to manufacture world-class equipment.

THE VISION

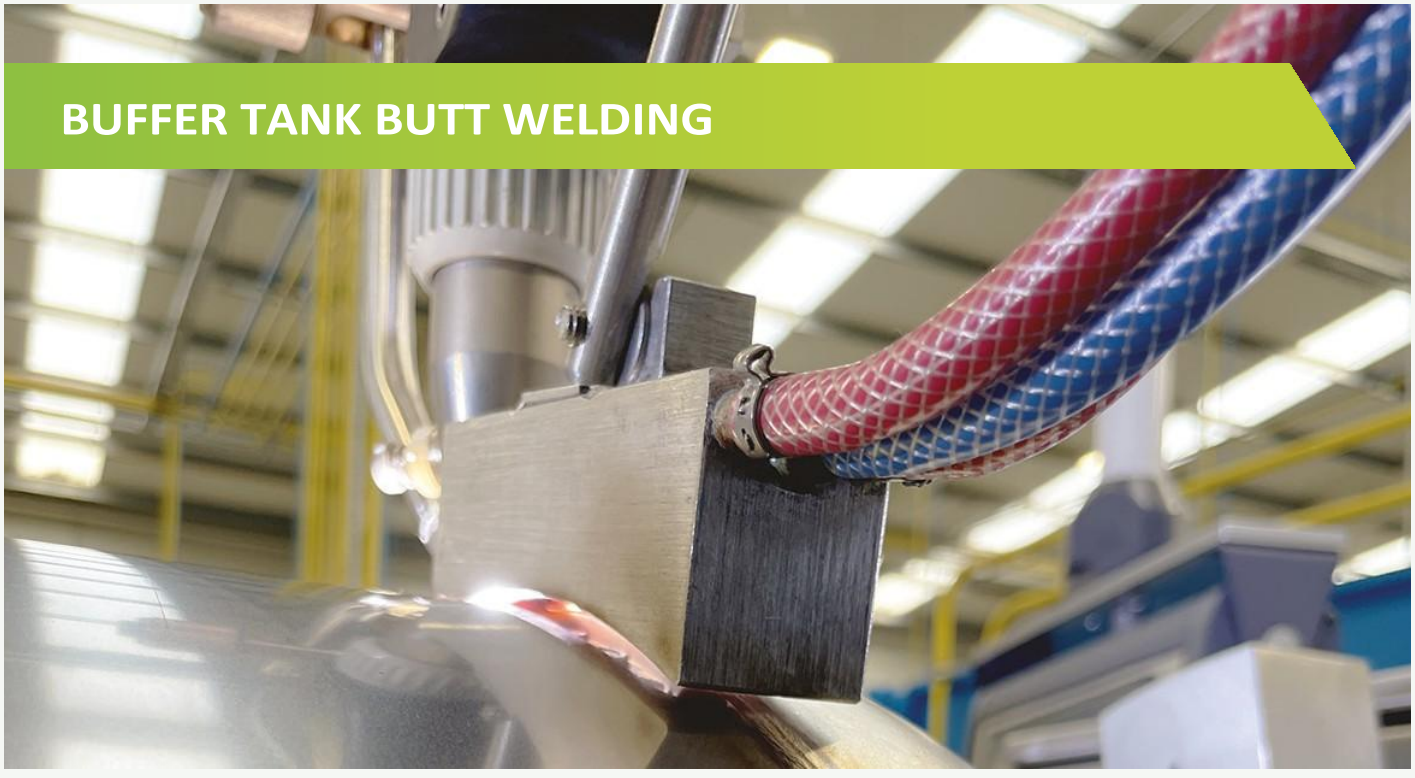
At Joule, we believe that our DHW tanks have a higher quality than most counterparts currently available on the market.

We have worked tirelessly to achieve this goal over the past few years, developing the specification of our product range, our manufacturing processes and our production facilities, which are now one of the most modern in the world.

DUPLEX steel

BENEFITS:

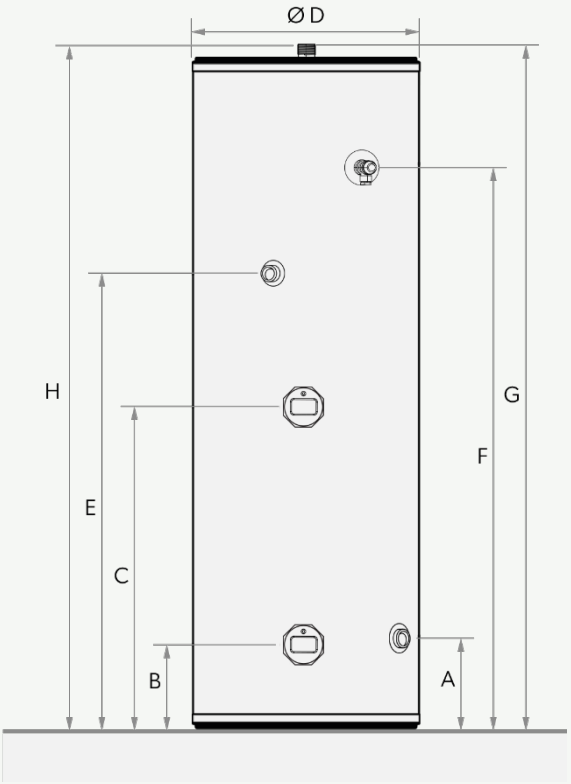
- **High strength**: duplex steel has a tensile strength and bending strength much higher than other types of steel, such as austenitic stainless steel. It is especially preferable in applications which require structural integrity under high loads.
- **Corrosion resistance**: duplex steel is more resistant to corrosion than many other type of steel.
- **Good bursting and intercrystalline cracking resistance**: duplex steel features good resistance to intercrystalline cracking, a major issue with some other types of stainless steel. Duplex steel is more resistant to transverse and vertical cracking, compared to those steels.
- **High fatigue and wear resistance**: duplex steel has good fatigue resistance, which means it can withstand repeated loads without failure. Duplex steel has good wear and abrasion resistance, making it suitable for applications where friction or abrasion is present.
- **Duplex steel hardness**: it is higher than in austenitic steel grades and directly related to the higher strength of the two-phase structure. This improved hardness makes duplex steels show good resistance to abrasive wear and erosion. The physical properties of duplex steels also include a coefficient of linear expansion which is much lower than in austenitic steels, but similar to that of carbon steels — which is important when steels of different grades need to be combined in a structure.



JOULE POLAND LOGISTICS HUB

DIRECT

COILLESS ELECTRIC HEATERS



TYPE	100L	125L	150L	200L	250L	300L	400L	500L
PRODUCT CODE	TCPMVD-0100LFC	TCPMVD-0125LFC	TCPMVD-0150LFC	TCPMVD-0200NFD	TCPMVD-0250NFD	TCPMVD-0300NFD	TCPMVD-0400LFD	TCPMVD-0500LFD

DIMENSIONS (mm)*	100L	125L	150L	200L	250L	300L	400L	500L
H – Overall height	950	990	1150	1150	1400	1600	1540	1900
D – Diameter w/insulation	500	530	530	600	600	600	710	710
A – Cold water supply, 1" F thread	190	200	205	220	220	225	230	230
B – Heating element socket, 1¾" F thread	210	220	220	240	240	235	245	245
C – Heating element socket, 1¾" F thread	470	520	570	560	660	735	745	845
E – Recirculation / return, ¾" F thread	630	660	795	770	975	1155	1200	1445
F – P/T valve, ½" F thread	740	760	920	890	1140	1335	1290	1645
G – Hot water supply, 1" F thread	950	990	1150	1150	1400	1600	1540	1900
Weight (kg)	26	30	34	40	49	56	62	85

* Height from the ground +/- 10mm

Benefits of DIRECT DHW tanks

- Two 3 kW/230 V electric heaters included.
- **Duplex** stainless steel shell with improved corrosion resistance.
- AISI 316L stainless steel connection stubs.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

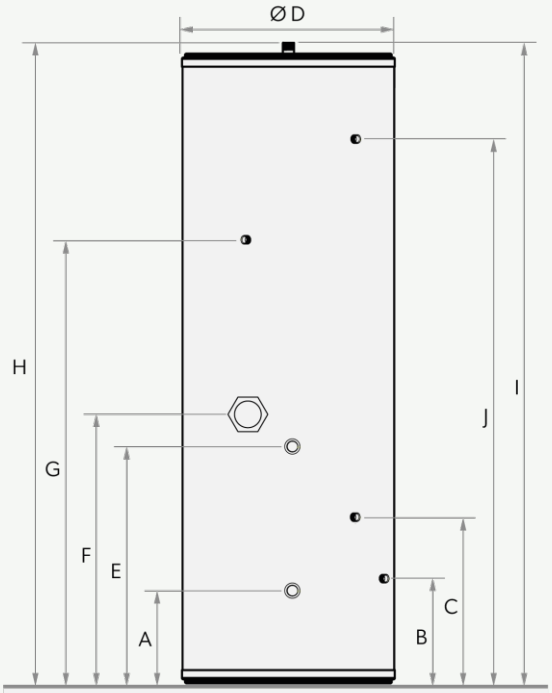
SPECIFICATION	100L	125L	150L	200L	250L	300L	400L	500L
INSULATION (mm)	50	40	40	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90	90	90	90
LOAD PROFILE	L	L	L	L	L	XL	XXL	XXL
ENERGY EFFICIENCY (%)	37	37	37	36	35	37	37	36
ANNUAL ELECTRICITY CONSUMPTION (kWh)	2740	2773	2785	2875	2908	4565	5805	5999
NOISE LEVEL (dB)	16	16	16	16	16	16	16	16
OPERATING CUT-OFF TEMPERATURE (°C)	60	60	60	60	60	60	60	60
ENERGY RATING	C	C	C	D	C	D	D	D
STANDSTILL LOSS (W)	44	50	55	77	82	92	102	115
TANK SHELL	DUPLEX STAINLESS STEEL							
EXTERNAL CASING	POWDER-COATED SHEET STEEL							

HEATER	100L	125L	150L	200L	250L	300L	400L	500L
IMMERSION HEATERS	2x 3 kW	2x 3 kW	2x 3 kW	2x 3 kW	2x 3 kW	2x 3 kW	2x 3 kW	2x 3 kW
WARM-UP TIME TO 40°C (min) **	32	42	51	67	84	98	133	168
WARM-UP TIME TO 60°C (min) **	54	71	85	112	140	164	221	281

** At an initial water temperature of 10°C

INDIRECT

SINGLE-COIL DHW TANK



125L-500L

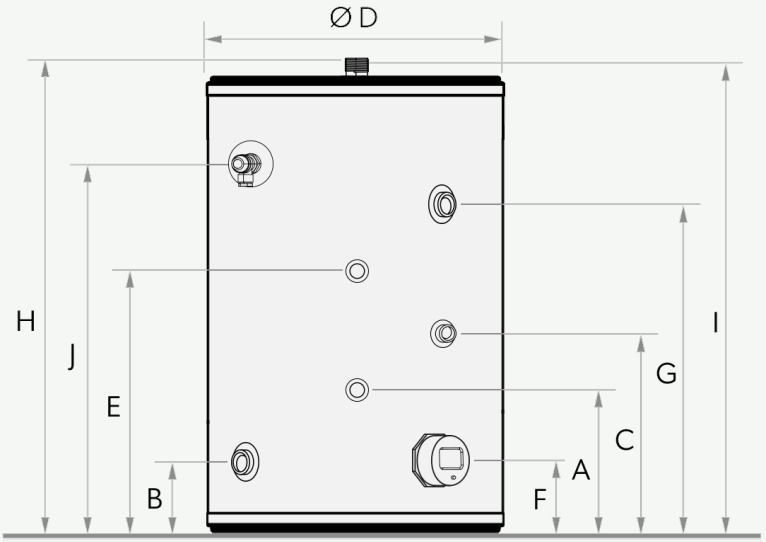
TYPE	100L	125L	150L	200L	250L	300L	300L (SLIM)	400L	500L
PRODUCT CODE	TCPMVI-0100LFB	TCPMVI-0125LFB	TCPMVI-0150LFB	TCPMVI-0200NFC	TCPMVI-0250NFC	TCPMVI-0300NFC	TCPMVI-0300LFD	TCPMVI-0400LFC	TCPMVI-0500LFC

DIMENSIONS (mm)*	100L	125L	150L	200L	250L	300L	300L	400L	500L
H – Overall height	950	990	1150	1150	1400	1600	2050	1540	1900
D – Diameter w/insulation	500	530	530	600	600	600	530	710	710
A – Space heating coil return, 3/4" F thread	195	200	200	220	220	220	200	235	230
B – Cold water supply, 1" F thread	205	200	200	220	220	220	200	235	230
C – Temperature sensor capillary	260	350	345	365	425	385	410	410	460
E – Space heating coil supply, 3/4" F thread	380	490	490	535	610	610	715	680	750
F – Heating element socket, 1¾" F thread	545	560	560	600	675	675	780	745	815
G – Recirculation / return, ¾" F thread	635	650	790	770	1020	1155	1555	1185	1445
I – Hot water supply, 1" F thread	755	755	915	885	1130	1335	1815	1285	1645
J – P/T valve, ½" F thread	950	990	1150	1150	1400	1600	2050	1540	1900
Weight (kg)	34	35	39	46	58	64	65	71	89

* Height from the ground +/- 10mm

Benefits of INDIRECT DHW tanks

- AISI 316L stainless steel connection stubs and coil.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.



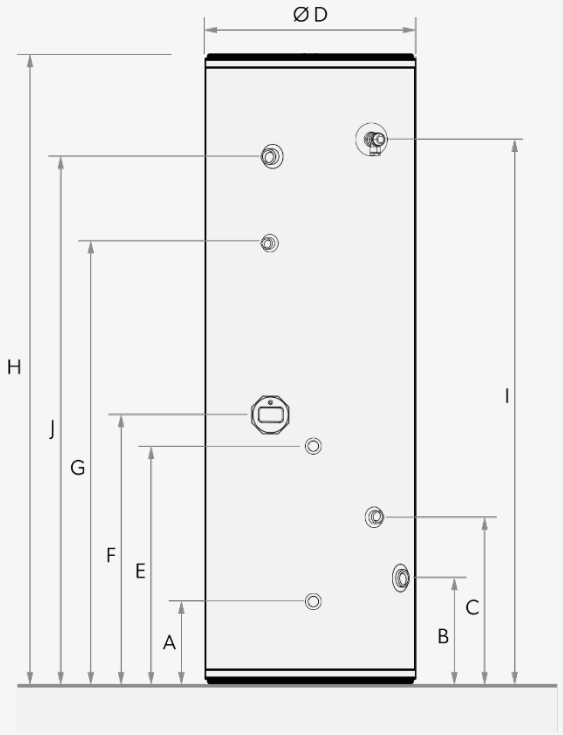
100L

SPECIFICATION	100L	125L	150L	200L	250L	300L	300L	400L	500L
INSULATION (mm)	50	40	40	40	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90	90	90	90	90
HEATER	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V
ENERGY RATING	B	B	B	C	C	C	C	C	C
STANDSTILL LOSS (W)	44	52	55	78	87	92	103	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL								
TANK SHELL	DUPLEX STAINLESS STEEL								
EXTERNAL CASING	POWDER-COATED SHEET STEEL								

COIL PARAMETERS		100L	125L	150L	200L	250L	300L	300L	400L	500L
COIL SURFACE AREA (m²)		0.6	0.6	0.6	0.8	0.8	1.2	1.2	1.3	1.4
COIL CAPACITY (L)		2.8	2.8	2.8	3.8	3.8	5.7	5.7	6.2	6.6
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	678	712	742	988	1054	1451	1451	1694	1900
	70/10/45°C (L/H)	538	572	602	825	891	1218	1218	1414	1620
	60/10/45°C (L/H)	421	455	485	638	704	961	961	1134	1340
HEATING CAPACITY	80/10/45°C (KW)	24	24	24	32	32	47	47	52	55
	70/10/45°C (KW)	18	18	18	25	25	37	37	40	43
	60/10/45°C (KW)	13	13	13	17	17	26	26	28	31
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	392	417	437	578	624	853	853	990	1150
	70/10/60°C (L/H)	294	319	339	447	493	673	673	794	921
HEATING CAPACITY	80/10/60°C (KW)	19	19	19	25	25	37	37	40	44
	70/10/60°C (KW)	13	13	13	17	17	26	26	28	30

INDIRECT

SINGLE COIL DHW TANKS (EXTRA HEAVY INSULATION WITH A HIGHER ENERGY RATING)



TYPE	125L	150L	200L	250L
PRODUCT CODE	TCPMVI-0125LFA	TCPMVI-0150LFA	TCPMVI-0200LFB	TCPMVI-0250LFB

DIMENSIONS (mm)*	125L	150L	200L	250L
H – Overall height	1030	1190	1490	1800
D – Diameter w/insulation	580	580	580	580
A – Space heating coil return, 3/4” F thread	200	200	200	200
B – Cold water supply, 1” F thread	200	200	200	200
C – Temperature sensor capillary	310	340	340	420
E – Space heating coil supply, 3/4” F thread	450	485	520	590
F – Heating element socket, 1¾” F thread	500	550	580	655
G – Recirculation / return, ¾” F thread	650	785	990	1305
I – Hot water supply, 1” F thread	750	905	1210	1530
J – P/T valve, ½” F thread	755	910	1210	1535
Weight (kg)	35	39	46	58

* Height from the ground +/- 10mm

Benefits of INDIRECT DHW tanks

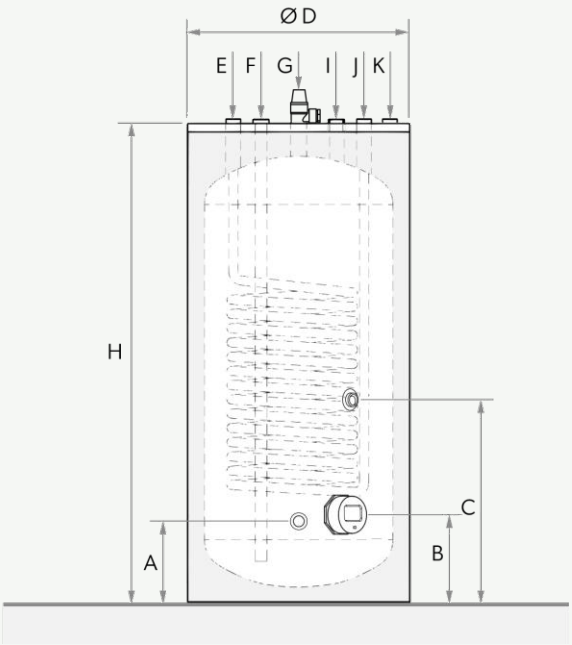
- AISI 316L stainless steel connection stubs and coil.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

DHW TANK SPECIFICATION	125L	150L	200L	250L
INSULATION (mm)	60	60	65	65
MAX. INTERNAL PRESSURE (bar)	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	A	A	B	B
STANDSTILL LOSS (W)	35	39	58	64
COIL MATERIAL	AISI 316L STAINLESS STEEL			
TANK SHELL	DUPLEX STAINLESS STEEL			
EXTERNAL CASING	POWDER-COATED SHEET STEEL			

COIL PARAMETERS		125L	150L	200L	250L
COIL SURFACE AREA (m^2)		0.6	0.6	0.8	0.8
COIL CAPACITY (L)		2.8	2.8	3.8	3.8
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	712	742	988	1054
	70/10/45°C (L/H)	572	602	825	891
	60/10/45°C (L/H)	455	485	638	704
HEATING CAPACITY	80/10/45°C (KW)	24	24	32	32
	70/10/45°C (KW)	18	18	25	25
	60/10/45°C (KW)	13	13	17	17
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	417	437	578	624
	70/10/60°C (L/H)	319	339	447	493
HEATING CAPACITY	80/10/60°C (KW)	19	19	25	25
	70/10/60°C (KW)	13	13	17	17

INDIRECT TOP CONNECTION

TOP-CONNECTION SINGLE-COIL DHW TANKS



TYPE	125L	150L
PRODUCT CODE	TCPMVI-0125TLC	TCPMVI-0150TLC

DIMENSIONS (mm)*	125L	150L
H – Overall height	1000	1150
D – Diameter w/insulation	530	530
A – Water drain, ½" F thread	200	200
B – Heating element socket, 1¾" F thread	200	210
C – Temperature sensor capillary	410	410
E – Space heating coil supply, ¾" F thread	1000	1150
F – Cold water supply, 1" F thread	1000	1150
G – P/T valve, ½" F thread	1000	1150
I – Hot water supply, 1" F thread	1000	1150
J – Space heating coil supply, ¾" F thread	1000	1150
K – Recirculation / return, ¾" F thread	1000	1150
Weight (kg)	37	43

* Height from the ground +/- 10mm

Benefits of INDIRECT TOP CONNECTION DHW tanks

- Compact size, can fit below a boiler.
- AISI 316L stainless steel connection stubs and coil.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

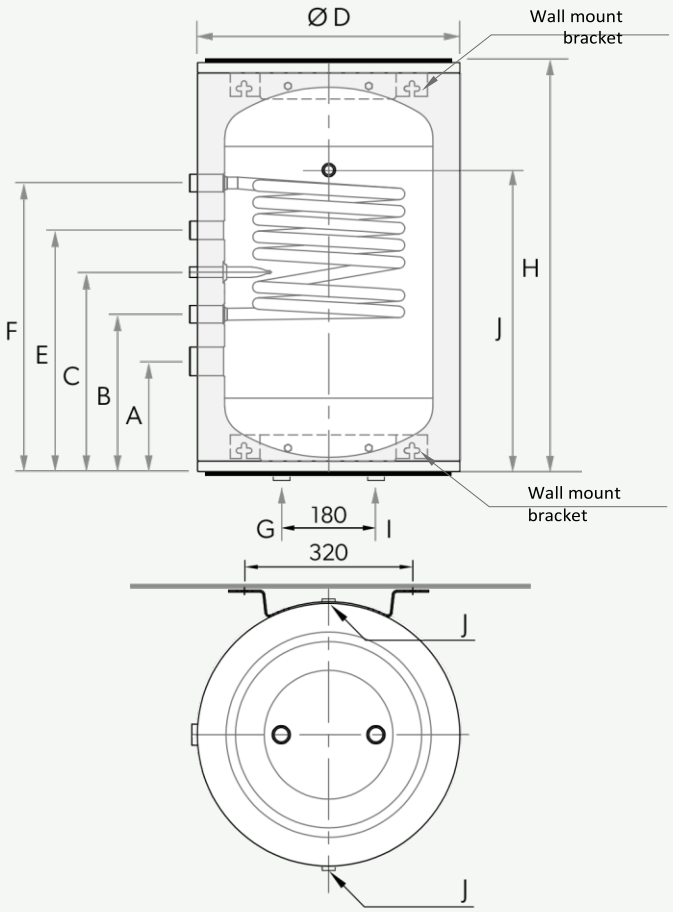
SPECIFICATION	125L	150L
INSULATION (mm)	40	40
MAX. INTERNAL PRESSURE (bar)	6	6
MAX. OPERATING TEMP. (°C)	90	90
HEATER	3 kW 230V	3 kW 230V
ENERGY RATING	B	B
STANDSTILL LOSS (W)	52	55
COIL MATERIAL	AISI 316L STAINLESS STEEL	
TANK SHELL	DUPLEX STAINLESS STEEL	
EXTERNAL CASING	POWDER-COATED SHEET STEEL	

COIL PARAMETERS		125L	150L
COIL SURFACE AREA (m^2)		0.6	0.6
COIL CAPACITY (L)		2.8	2.8
MAX. COIL OPERATING PRESS. (bar)		6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	712	742
	70/10/45°C (L/H)	572	602
	60/10/45°C (L/H)	455	485
HEATING CAPACITY	80/10/45°C (KW)	24	24
	70/10/45°C (KW)	18	18
	60/10/45°C (KW)	13	13
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	417	437
	70/10/60°C (L/H)	319	339
HEATING CAPACITY	80/10/60°C (KW)	19	19
	70/10/60°C (KW)	13	13

INDIRECT WALL HUNG

WALL-MOUNTED SINGLE COIL DHW TANKS WITH REVERSIBLE RH/LH CONNECTIONS

NEW



12 YEARS OF WARRANTY

STAINLESS STEEL

MADE IN EUROPE

NATIONAL INSTITUTE OF HEALTH PZH CERTIFIED PRODUCT

TYPE	80L	100L	125L	150L
PRODUCT CODE	TCPMVI-0080WH	TCPMVI-0100WH	TCPMVI-0125WH	TCPMVI-0150WH

DIMENSIONS (mm)*	80L	100L	125L	150L
H – Overall height	780	940	980	1100
D – Diameter w/insulation	500	500	530	530
A – Heater connection end, 1 1/2” F thread	210	210	210	210
B – Coil return socket, 3/4” F thread	300	300	300	300
C – Temperature sensor capillary	380	380	390	390
E – Recirculation socket, 3/4” F thread	460	460	470	470
F – Coil supply socket, 3/4” F thread	550	630	660	660
G – Hot water supply, 3/4” F thread	0	0	0	0
I – Cold water supply, 3/4” F thread	0	0	0	0
J – Thermometer stub, 1/2” F thread	560	710	710	870
Weight (kg)	27	31	35	39

* Height from the ground +/- 10mm

SPECIFICATION	80L	100L	125L	150L
INSULATION (mm)	50	50	40	40
MAX. INTERNAL PRESSURE (bar)	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90
ENERGY RATING	B	B	B	B
STANDSTILL LOSS (W)	40	44	52	55
COIL MATERIAL	AISI 316L STAINLESS STEEL			
TANK SHELL	DUPLEX STAINLESS STEEL			
EXTERNAL CASING	POWDER-COATED SHEET STEEL			

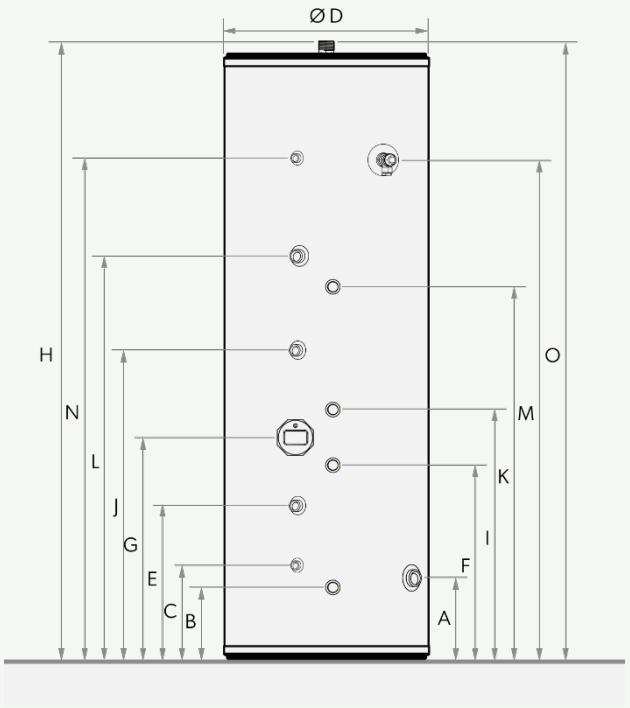
COIL PARAMETERS		80L	100L	125L	150L
COIL SURFACE AREA (m^2)		0.50	0.57	0.80	0.80
COIL CAPACITY (L)		2.3	2.7	3.8	3.8
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	559	630	897	927
	70/10/45°C (L/H)	442	536	734	764
	60/10/45°C (L/H)	349	396	547	577
HEATING CAPACITY	80/10/45°C (KW)	20	22	32	32
	70/10/45°C (KW)	15	18	25	25
	60/10/45°C (KW)	11	12	17	17
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	326	375	514	535
	70/10/60°C (L/H)	245	375	514	535
HEATING CAPACITY	80/10/60°C (KW)	16	18	25	25
	70/10/60°C (KW)	11	12	17	17

Benefits of INDIRECT WALL HUNG DHW tanks

- **The only DHW tank heater in Poland with reversible LH/RH connections.**
- **2 kW/230 V electric heater included for just PLN 100.**
- AISI 316L stainless steel connection stubs and coil.
- Duplex stainless steel shell with improved corrosion resistance.
- No protective anode required.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

TWIN SOLAR

TWIN-COIL DHW TANKS



TYPE	200L	200L (SLIM)	250L	250L (SLIM)	300L	300L (SLIM)	400L	500L
PRODUCT CODE	TCPMVS-0200NFC	TCPMVS-0200LFD	TCPMVS-0250NFC	TCPMVS-0250LFD	TCPMVS-0300NFC	TCPMVS-0300LFD	TCPMVS-0400LFC	TCPMVS-0500LFC
DIMENSIONS (mm)*	**200L**	**200L (SLIM)**	**250L**	**250L (SLIM)**	**300L**	**300L (SLIM)**	**400L**	**500L**
H – Overall height	1150	1450	1400	1780	1600	2050	1540	1900
D – Diameter w/insulation	600	530	600	530	600	530	710	710
A – Cold water supply, 1” F thread	220	200	220	200	225	210	230	230
B – Solar coil return, ¾” F thread	220	200	220	200	225	210	230	230
C – Solar heat sensor capillary	270	250	270	250	275	250	280	300
E – Temperature sensor capillary	375	410	440	500	445	545	435	450
F – Solar coil supply, ¾” F thread	475	560	540	715	545	720	620	635
G – Heating element socket, 1¾” F thread	535	625	600	775	605	800	690	700
I – Space heating coil return, ¾” F thread	605	690	675	845	675	880	750	765
J – Temperature sensor capillary	695	830	800	1035	815	1045	890	905
J – Space heating coil supply, ¾” F thread	775	980	970	1230	1060	1270	1135	1150
L – Recirculation / return, ¾” F thread	855	1055	1055	1300	1160	1560	1185	1460
M – P/T valve, ½” F thread	890	1215	1135	1535	1340	1820	1285	1650
N – Temperature sensor capillary	890	1215	1135	1535	1340	1820	1285	1660
O – Hot water supply, 1” F thread	1150	1450	1400	1780	1600	2050	1540	1900
Weight (kg)	50	50	62	62	67	67	74	87

Benefits of TWIN SOLAR DHW tanks

- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.
- The solar heat-powered coil combined with the space heating coil allows plumbing a 300 L, 400 L or 500 L DHW tank to a heat pump with a maximum capacity of 10 kW.**

* Height from the ground +/- 10mm

** Ask your sales representative for details.

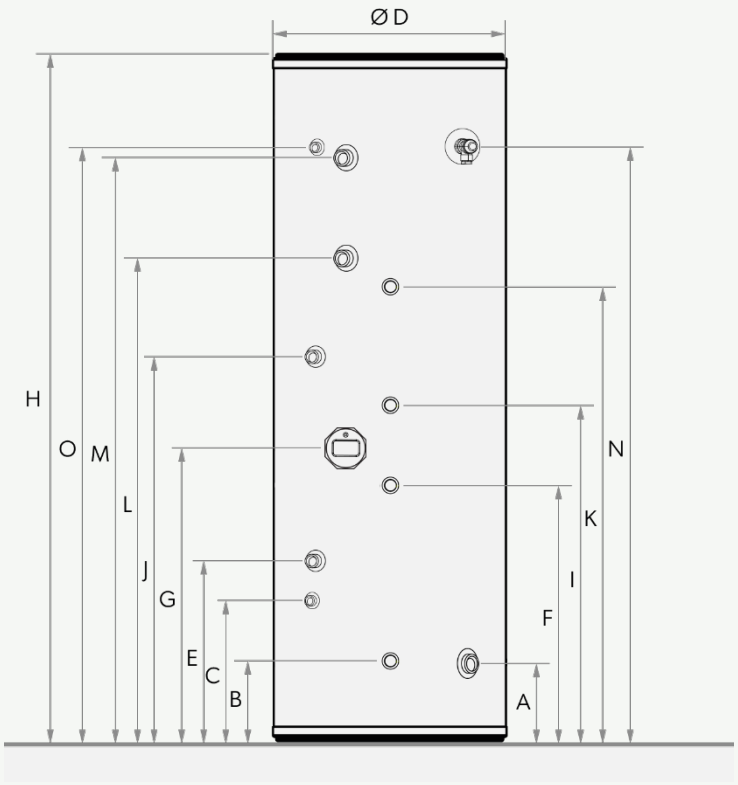
SPECIFICATION	200L	200L	250L	250L	300L	300L	400L	500L
INSULATION (mm)	40	40	40	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90	90	90	90
HEATER	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V
ENERGY RATING	C	C	C	C	C	C	C	C
STANDSTILL LOSS (W)	80	83	89	91	96	99	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL							
TANK SHELL	DUPLEX STAINLESS STEEL							
EXTERNAL CASING	POWDER-COATED SHEET STEEL							

SOLAR COIL PARAMETERS		200L	200L	250L	250L	300L	300L	400L	500L
COIL SURFACE AREA (m²)		0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.3
COIL CAPACITY (L)		3.3	3.3	3.3	3.3	5.7	5.7	5.7	6.2
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	901	901	962	962	1451	1451	1574	1820
	70/10/45°C (L/H)	761	761	822	822	1218	1218	1342	1540
	60/10/45°C (L/H)	597	597	658	658	961	961	1085	1260
HEATING CAPACITY	80/10/45°C (KW)	28	28	28	28	47	47	47	52
	70/10/45°C (KW)	22	22	22	22	37	37	37	40
	60/10/45°C (KW)	15	15	15	15	26	26	26	28
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	531	531	575	575	853	853	939	1078
	70/10/60°C (L/H)	417	417	461	461	673	673	759	782
HEATING CAPACITY	80/10/60°C (KW)	22	22	22	22	37	37	37	40
	70/10/60°C (KW)	15	15	15	15	26	26	26	28

SPACE HEATING PARAMETERS		200L	200L	250L	250L	300L	300L	400L	500L
COIL SURFACE AREA (m²)		0.58	0.58	0.7	0.7	0.8	0.8	0.7	0.8
COIL CAPACITY (L)		2.7	2.7	3.3	3.3	3.8	3.8	3.3	3.8
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	650	650	884	847	978	978	949	1158
	70/10/45°C (L/H)	556	556	724	707	815	815	809	995
	60/10/45°C (L/H)	416	416	560	543	628	628	645	808
HEATING CAPACITY	80/10/45°C (KW)	22	22	28	28	32	32	28	32
	70/10/45°C (KW)	18	18	22	22	25	25	22	25
	60/10/45°C (KW)	12	12	15	15	17	17	15	17
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	389	389	506	494	571	571	566	697
	70/10/60°C (L/H)	291	291	392	380	440	440	452	566
HEATING CAPACITY	80/10/60°C (KW)	18	18	22	22	25	25	22	25
	70/10/60°C (KW)	12	12	15	15	17	17	15	17

TWIN SOLAR

TWIN COIL DHW TANKS (EXTRA HEAVY INSULATION WITH A HIGHER ENERGY RATING)



TYPE	200L	250L
PRODUCT CODE	TCPMVS-0200LFB	TCPMVS-0250LFB

DIMENSIONS (mm)*	200L	250L
H – Overall height	1490	1800
D – Diameter w/insulation	580	580
A – Cold water supply, 1” F thread	200	200
B – Solar coil return, ¾” F thread	200	200
C – Solar heat sensor capillary	245	250
E – Temperature sensor capillary	400	420
F – Solar coil supply, ¾” F thread	500	520
G – Heating element socket, 1¾” F thread	565	585
I – Space heating coil return, ¾” F thread	635	650
J – Temperature sensor capillary	770	790
K – Space heating coil supply, ¾” F thread	920	1035
L – Recirculation / return, ¾” F thread	990	1275
M – Hot water supply, 1” F thread	1210	1525
N – P/T valve, ½” F thread	1215	1535
O – Temperature sensor capillary	1215	1535
Weight (kg)	50	62

* Height from the ground +/- 10mm

Benefits of TWIN SOLAR DHW tanks

- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

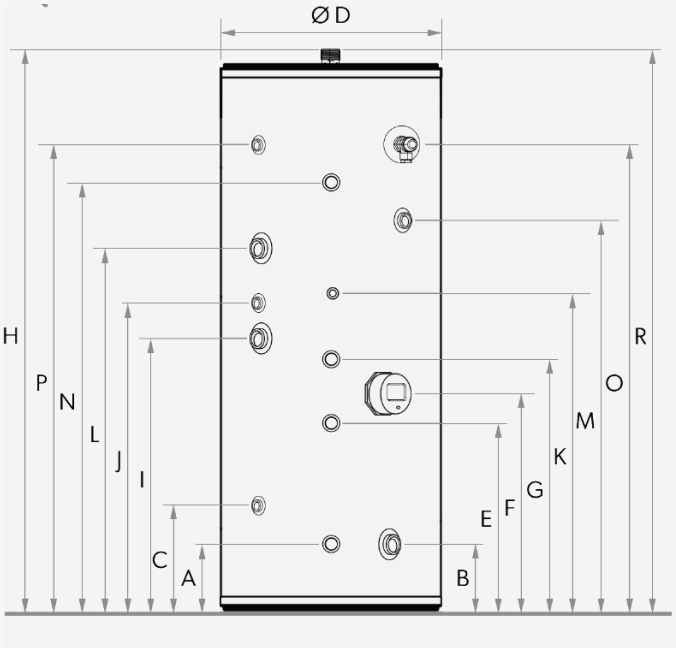
SPECIFICATION	200L	250L
INSULATION (mm)	65	65
MAX. INTERNAL PRESSURE (bar)	6	6
MAX. OPERATING TEMP. (°C)	90	90
HEATER	3 kW 230V	3 kW 230V
ENERGY RATING	B	B
STANDSTILL LOSS (W)	58	64
COIL MATERIAL	AISI 316L STAINLESS STEEL	
TANK SHELL	DUPLEX STAINLESS STEEL	
EXTERNAL CASING	POWDER-COATED SHEET STEEL	

SOLAR COIL PARAMETERS		200L	250L
COIL SURFACE AREA (m^2)		0.7	0.7
COIL CAPACITY (L)		3.3	3.3
MAX. COIL OPERATING PRESS. (bar)		6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	901	962
	70/10/45°C (L/H)	761	822
	60/10/45°C (L/H)	597	658
HEATING CAPACITY	80/10/45°C (KW)	28	28
	70/10/45°C (KW)	22	22
	60/10/45°C (KW)	15	15
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	531	575
	70/10/60°C (L/H)	417	461
HEATING CAPACITY	80/10/60°C (KW)	22	22
	70/10/60°C (KW)	15	15

SPACE HEATING PARAMETERS		200L	250L
COIL SURFACE AREA (m^2)		0.58	0.7
COIL CAPACITY (L)		2.7	3.3
MAX. COIL OPERATING PRESS. (bar)		6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	650	847
	70/10/45°C (L/H)	556	707
	60/10/45°C (L/H)	416	543
HEATING CAPACITY	80/10/45°C (KW)	22	28
	70/10/45°C (KW)	18	22
	60/10/45°C (KW)	12	15
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	389	494
	70/10/60°C (L/H)	291	380
HEATING CAPACITY	80/10/60°C (KW)	18	22
	70/10/60°C (KW)	12	15

TRIPLE

THREE-COIL DHW TANKS



TYPE	200L	250L	300L	400L	500L
PRODUCT CODE	TCPMV3-0200NFC	TCPMV3-0250NFC	TCPMV3-0300NFC	TCPMV3-0400LFC	TCPMV3-0500LFC

DIMENSIONS (mm) *	200L	250L	300L	400L	500L
H – Overall height	1150	1400	1600	1540	1900
D – Diameter w/insulation	600	600	600	710	710
A – Solar coil return, ¾" F thread	215	215	220	230	230
B – Cold water supply, 1" F thread	215	215	220	230	230
C – Temperature sensor capillary	275	265	270	295	290
E – Solar coil supply, ¾" F thread	465	535	735	635	595
F – Heating element socket, 1¾" F thread	515	615	785	715	715
G – Space heating coil return, ¾" F thread	555	680	835	830	830
I – Aux coil return, 1" F thread	595	705	885	870	870
J – Temperature sensor capillary	695	805	985	970	970
K – Temperature sensor capillary	695	815	985	970	970
L – Aux coil supply, 1" F thread	755	935	1115	1135	1100
M – Recirculation / return, ¾" F thread	815	970	1160	1190	1215
N – Space heating coil supply, ¾" F thread	835	1060	1225	1215	1445
O – P/T valve, ½" F thread	885	1135	1335	1285	1640
P – Temperature sensor capillary	890	1135	1340	1300	1660
R – Hot water supply, 1" F thread	1150	1400	1600	1540	1900
Weight (kg)	50	62	67	74	87

* Height from the ground +/- 10mm

SPECIFICATION	200L	250L	300L	400L	500L
INSULATION (mm)	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90
HEATER	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V
ENERGY RATING	C	C	C	C	C
STANDSTILL LOSS (W)	80	89	96	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL				
TANK SHELL	DUPLEX STAINLESS STEEL				
EXTERNAL CASING	POWDER-COATED SHEET STEEL				

SOLAR COIL PARAMETERS		200L	250L	300L	400L	500L
COIL SURFACE AREA (m²)		0.7	0.7	1.2	1.2	1.3
COIL CAPACITY (L)		3.3	3.3	5.7	5.7	6.2
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	901	962	1448	1570	1814
	70/10/45°C (L/H)	761	822	1215	1337	1534
	60/10/45°C (L/H)	597	658	958	1080	1254
HEATING CAPACITY	80/10/45°C (KW)	28	28	47	47	52
	70/10/45°C (KW)	22	22	37	37	40
	60/10/45°C (KW)	15	15	26	26	28
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	531	575	851	936	1074
	70/10/60°C (L/H)	417	461	671	756	878
HEATING CAPACITY	80/10/60°C (KW)	22	22	37	37	40
	70/10/60°C (KW)	15	15	26	26	28

SPACE HEATING COIL PARAMETERS		200L	250L	300L	400L	500L
COIL SURFACE AREA (m²)		0.58	0.7	0.8	0.7	0.8
COIL CAPACITY (L)		2.7	3.3	3.8	3.3	3.8
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	650	851	933	952	1171
	70/10/45°C (L/H)	556	711	770	812	1008
	60/10/45°C (L/H)	416	547	583	648	821
HEATING CAPACITY	80/10/45°C (KW)	22	28	32	28	32
	70/10/45°C (KW)	18	22	25	22	25
	60/10/45°C (KW)	12	15	17	15	17
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	389	481	539	552	706
	70/10/60°C (L/H)	291	383	408	454	575
HEATING CAPACITY	80/10/60°C (KW)	18	21	25	21	25
	70/10/60°C (KW)	12	15	17	15	17

AUX COIL PARAMETERS		200L	250L	300L	400L	500L
COIL SURFACE AREA (m²)		0.58	0.58	0.58	0.58	0.58
COIL CAPACITY (L)		2.7	2.7	2.7	2.7	2.7
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	671	704	688	797	923
	70/10/45°C (L/H)	577	610	594	703	829
	60/10/45°C (L/H)	437	470	454	563	689
HEATING CAPACITY	80/10/45°C (KW)	22	22	22	22	22
	70/10/45°C (KW)	18	18	18	18	18
	60/10/45°C (KW)	12	12	12	12	12
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	404	427	416	492	580
	70/10/60°C (L/H)	306	329	318	394	482
HEATING CAPACITY	80/10/60°C (KW)	18	18	18	18	18
	70/10/60°C (KW)	12	12	12	12	12

Benefits of TRIPLE DHW tanks

- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

TRIPLE HEAT PUMP

THREE-COIL DHW TANKS FOR HEAT PUMPS

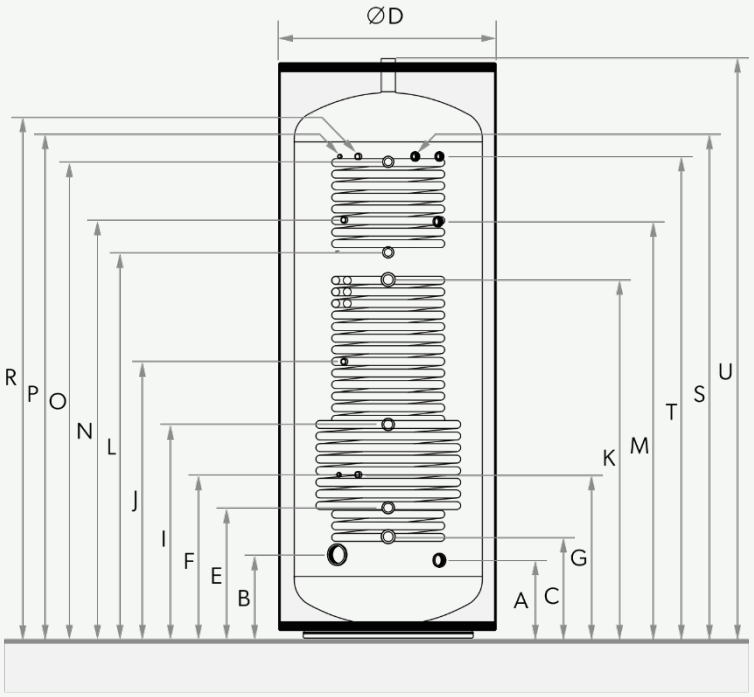
NEW

12 YEARS OF WARRANTY

STAINLESS STEEL

MADE IN EUROPE

NATIONAL INSTITUTE OF HEALTH PZH CERTIFIED PRODUCT



TYPE	250	300L	400L	500L
PRODUCT CODE	TCPMV3-0250HGC	TCPMV3-0300HGC	TCPMV3-0400HGC	TCPMV3-0500HGC

DIMENSIONS (mm)*	250	300L	400L	500L
H – Overall height	1400	1600	1560	1900
D – Diameter w/insulation	600	600	710	710
A – Cold water supply, 1" F thread	215	215	225	225
B – Heating element socket, 1¾" F thread	230	230	240	240
C – Heat pump coil return, 1" F thread	280	280	290	290
E – Solar coil return, 3/4" F thread	360	360	370	370
F – Solar heat sensor capillary	450	450	440	450
G – Temperature sensor capillary	450	450	440	450
I – Solar coil supply, 3/4" F thread	590	250	620	620
J – Temperature sensor capillary	650	750	-	-
K – Heat pump coil supply, 1" F thread	820	990	930	1000
L – Aux coil return, 3/4" F thread	895	1065	1010	1100
M – Recirculation socket, 3/4" F thread	950	1150	1080	1450
N – Temperature sensor capillary	950	1150	1150	1250
O – Aux coil supply, 3/4" F thread	1115	1315	1250	1390
P – Solar heat sensor capillary	1130	1330	1280	1640
R – Temperature sensor capillary	1130	1330	1280	1640
S – Thermometer stub, 1/2" F thread	1130	1330	1280	1640
T – P/T valve, 1/2" thread	1130	1330	1280	1640
U – Hot water supply, 1" F thread	1400	1600	1560	1900
Weight (kg)	71	78	97	111

SPECIFICATION	250	300L	400L	500L
INSULATION (mm)	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90
HEATER	3 kW 230V	3 kW 230V	3 kW 230V	3 kW 230V
ENERGY RATING	C	C	C	C
STANDSTILL LOSS (W)	89	96	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL			
TANK SHELL	DUPLEX STAINLESS STEEL			
EXTERNAL CASING	POWDER-COATED SHEET STEEL			

HEAT PUMP COIL PARAMETERS		250	300L	400L	500L
COIL SURFACE AREA (m^2)		2.3	2.5	3	3.2
COIL CAPACITY (L)		10.9	11.8	14.2	15.1
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	866	965	1181	1380
	70/10/45°C (L/H)	726	825	1018	1194
	60/10/45°C (L/H)	586	661	831	1007
HEATING CAPACITY	80/10/45°C (KW)	26	28	33	36
	70/10/45°C (KW)	20	22	26	28
	60/10/45°C (KW)	14	15	18	20
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	508	577	713	836
	70/10/60°C (L/H)	410	463	582	705
HEATING CAPACITY	80/10/60°C (KW)	20	22	26	28
	70/10/60°C (KW)	14	15	18	20

SOLAR COIL PARAMETERS		250	300L	400L	500L
COIL SURFACE AREA (m^2)		0.6	0.6	0.7	0.7
COIL CAPACITY (L)		2.8	2.8	3.3	3.3
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	796	848	1036	11165
	70/10/45°C (L/H)	680	732	896	1025
	60/10/45°C (L/H)	539	591	732	861
HEATING CAPACITY	80/10/45°C (KW)	24	24	28	28
	70/10/45°C (KW)	19	19	22	22
	60/10/45°C (KW)	13	13	15	15
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	476	512	627	717
	70/10/60°C (L/H)	362	398	513	603
HEATING CAPACITY	80/10/60°C (KW)	19	19	22	22
	70/10/60°C (KW)	12	12	15	15

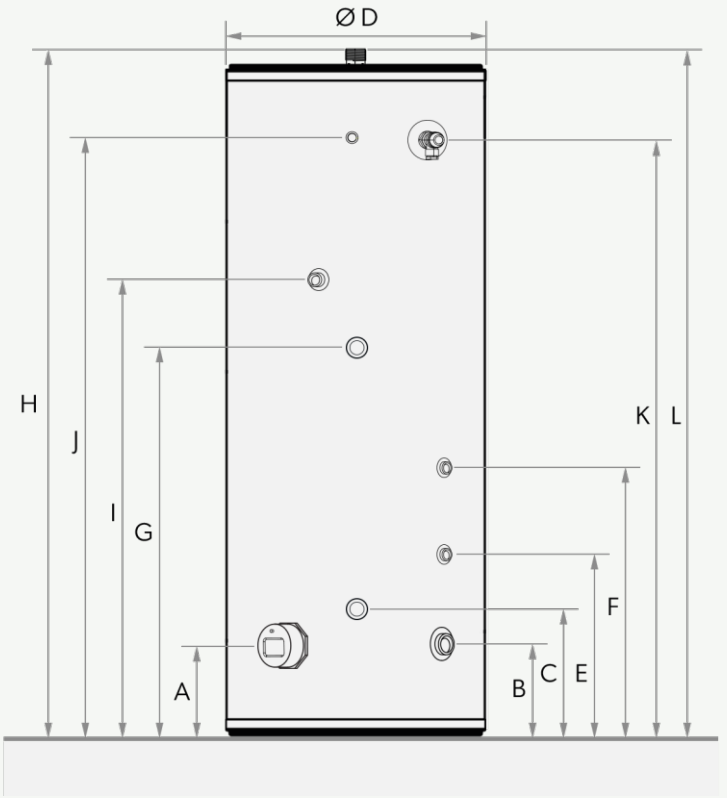
AUX COIL PARAMETERS		250	300L	400L	500L
COIL SURFACE AREA (m^2)		0.5	0.5	0.5	0.5
COIL CAPACITY (L)		2.4	2.4	2.4	2.4
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	565	565	618	719
	70/10/45°C (L/H)	448	448	501	599
	60/10/45°C (L/H)	355	355	408	506
HEATING CAPACITY	80/10/45°C (KW)	20	20	20	20
	70/10/45°C (KW)	15	15	15	15
	60/10/45°C (KW)	11	11	11	11
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	314	314	351	419
	70/10/60°C (L/H)	249	249	286	354
HEATING CAPACITY	80/10/60°C (KW)	15	15	15	15
	70/10/60°C (KW)	11	11	11	11

Benefits of TRIPLE HEAT PUMP DHW tanks

- A hybrid DHW tank heater which can run on several different heat sources at the same time.
- Heat pump coil installed at the DHW tank bottom: enables heating and soaking the entire DHW tank capacity.
- The heat pump supply and return stubs are 1" female threaded, with an impressive coil diameter of **40.6 mm**.
- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

HEAT PUMP

SINGLE-COIL DHW TANKS FOR HEAT PUMPS



TYPE	200L	250L	300L	300L (SLIM)	400L	500L
PRODUCT CODE	TCPMVH-0200LFC	TCPMVH-0250LFC	TCPMVH-0300NFC	TCPMVH-0300LFD	TCPMVH-0400LFC	TCPMVH-0500LFC

DIMENSIONS (mm) *	200L	250L	300L	300L (SLIM)	400L	500L
H – Overall height	1460	1780	1600	2050	1540	1900
D – Diameter w/insulation	530	530	600	530	710	710
A – Heating element socket, 1¾" F thread	220	220	240	230	265	240
B – Cold water supply, 1" F thread	200	205	225	200	230	245
C – Heat pump coil return, 1" F thread	265	265	290	275	295	290
E – Temperature sensor capillary	455	570	495	505	465	585
F – Temperature sensor capillary	755	870	780	920	820	935
G – Heat pump coil supply, 1" F thread	985	1015	1000	1140	1005	1195
I – Recirculation / return, ¾" F thread	1005	1275	1155	1555	1165	1445
J – Temperature sensor capillary	1215	1540	1340	1815	1285	1645
K – P/T valve, ½" F thread	1215	1540	1340	1815	1285	1645
L – Hot water supply, 1" F thread	1460	1780	1600	2050	1540	1900
Weight (kg)	58	67	74	75	81	107

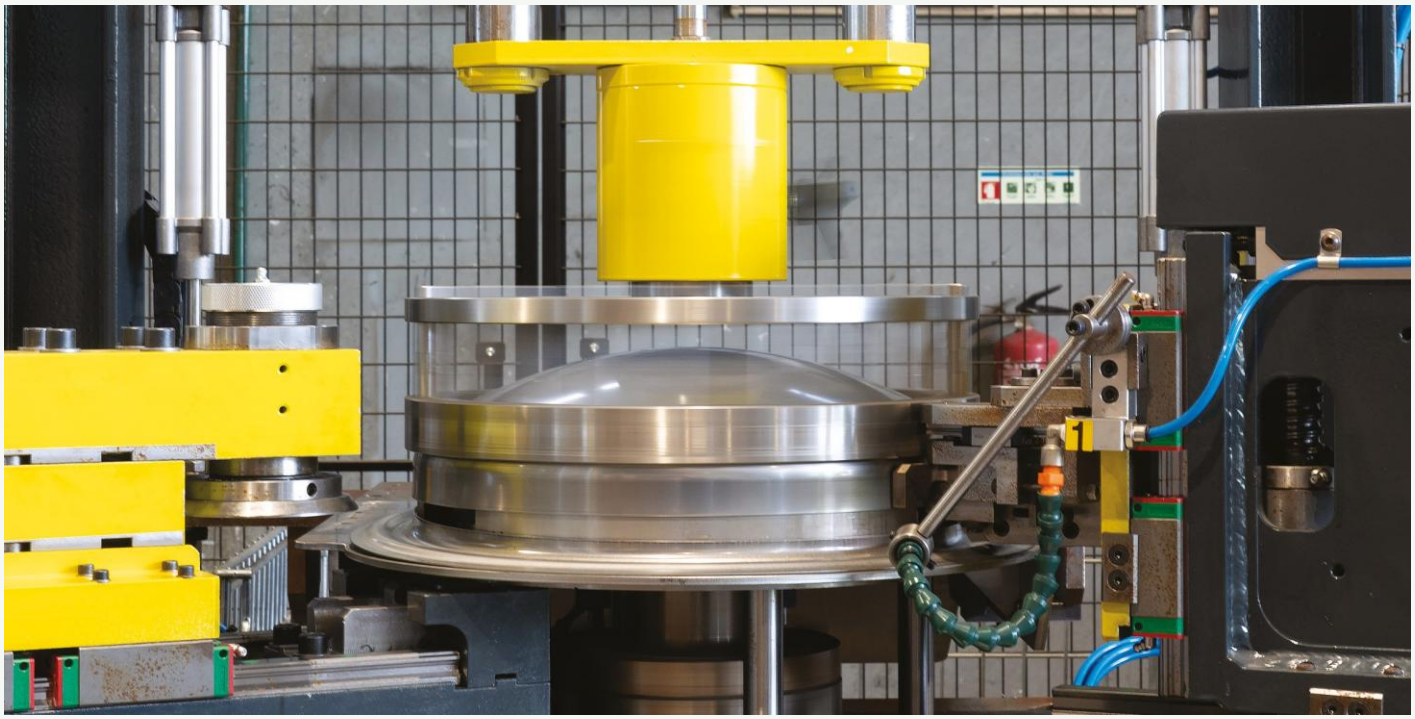
* Height from the ground +/- 10 mm

SPECIFICATION	200L	250L	300L	300L	400L	500L
INSULATION (mm)	40	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	C	C	C	C	C	C
STANDSTILL LOSS (W)	81	89	92	103	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL					
TANK SHELL	DUPLEX STAINLESS STEEL					
EXTERNAL CASING	POWDER-COATED SHEET STEEL					

SPACE HEATING COIL PARAMETERS		200L	250L	300L	300L	400L	500L
COIL SURFACE AREA (m^2)		2.5	2.8	3.2	3	3.2	4
COIL CAPACITY (L)		11.8	13.2	15.1	14.2	15.1	18.9
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90
DHW PRODUCTION CAPACITY	60/10/45°C (L/H)	1514	1691	1973	1860	2098	2641
HEATING CAPACITY	60/10/45°C (KW)	55	60	70	65	70	88

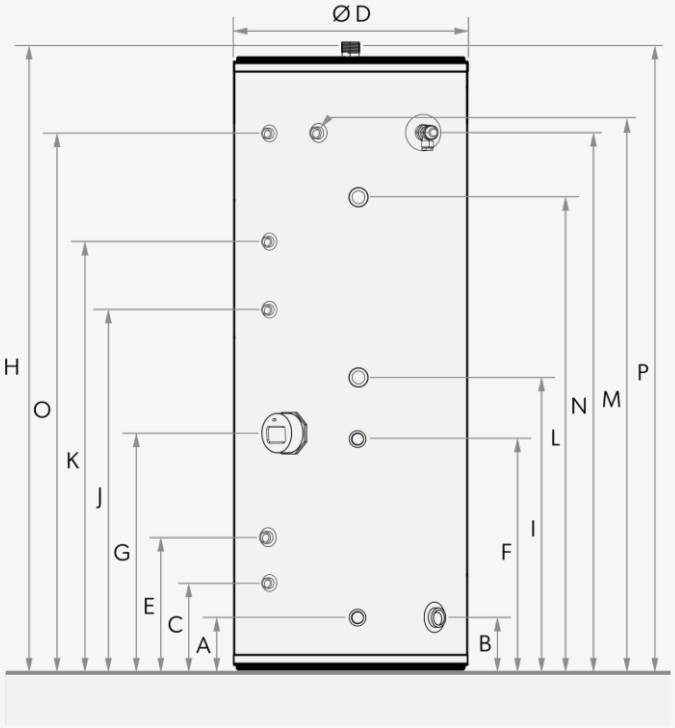
Benefits of HEAT PUMP DHW tanks

- The heat pump supply and return stubs are 1" female threaded, with an impressive coil diameter of **40.6 mm**.
- AISI 316L stainless steel connection stubs and coil.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.



HEAT PUMP + SOLAR

THREE-COIL DHW TANKS FOR HEAT PUMPS



TYPE	200L	250L	300L	400L	500L
PRODUCT CODE	TCPMVG-0200LFC	TCPMVG--0250LFC	TCPMVG-0300NFC	TCPMVG-0400LFC	TCPMVG-0500LFC

DIMENSIONS (mm) *	200L	250L	300L	400L	500L
H – Overall height	1460	1780	1600	1540	1900
D – Diameter w/insulation	530	530	600	710	710
A – Solar coil return, ¾" F thread	200	200	220	230	230
B – Cold water supply, 1" F thread	200	200	220	230	230
C – Solar heat sensor capillary	255	250	270	295	300
E – Temperature sensor capillary	390	410	440	475	455
F – Solar coil supply, ¾" F thread	535	520	580	615	620
G – Heating element socket, 1¾" F thread	585	615	635	675	685
I – Heat pump coil return, 1" F thread	635	685	680	715	740
J – Temperature sensor capillary	840	880	920	960	975
K – Recirculation / return, ¾" F thread	1010	1275	1155	1150	1645
L – Heat pump coil supply, 1" F thread	1185	1230	1315	1265	1645
M – Temperature sensor capillary	1220	1535	1355	1305	1660
N – P/T valve, ½" F thread	1220	1540	1355	1285	1650
O – Solar heat sensor capillary	1220	1535	1355	1305	1660
P – Hot water supply, 1" F thread	1460	1780	1600	1540	1900
Weight (kg)	61	70	77	84	107

* Height from the ground +/- 10mm

SPECIFICATION	200L	250L	300L	400L	500L
INSULATION (mm)	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	C	C	C	C	C
STANDSTILL LOSS (W)	83	91	98	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL				
TANK SHELL	DUPLEX STAINLESS STEEL				
EXTERNAL CASING	POWDER-COATED SHEET STEEL				

HEAT PUMP COIL PARAMETERS		200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)		2.5	2.8	3.2	3.2	4
COIL CAPACITY (L)		11.8	13.2	15.1	15.1	18.9
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	60/10/45°C (L/H)	1439	1632	1885	1964	2512
HEATING CAPACITY	60/10/45°C (KW)	55	60	70	70	88

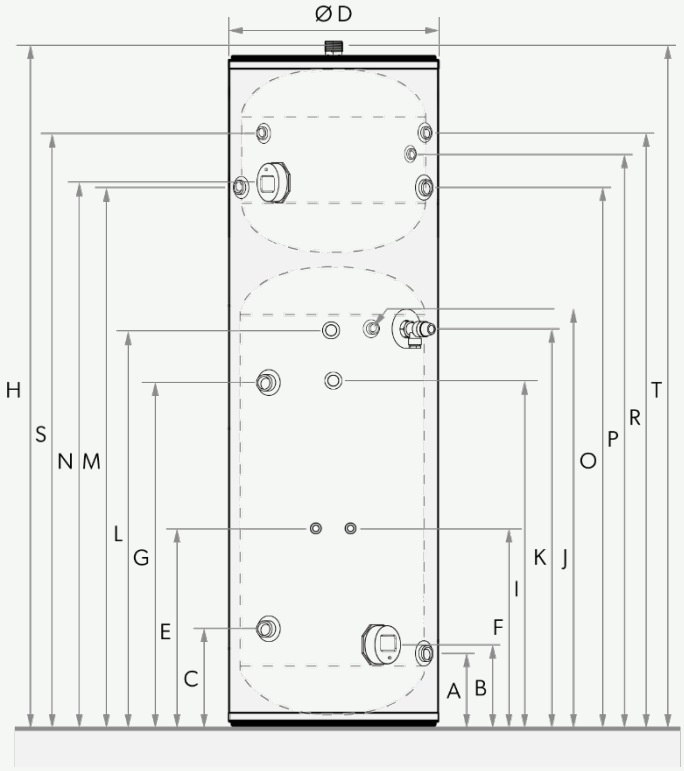
SOLAR COIL PARAMETERS		200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)		0.7	0.7	1.1	1.1	1.2
COIL CAPACITY (L)		3.3	3.3	5.2	5.2	5.7
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	901	962	1305	1470	1688
	70/10/45°C (L/H)	761	822	1135	1260	1455
	60/10/45°C (L/H)	597	658	901	1026	1198
HEATING CAPACITY	80/10/45°C (KW)	28	28	43	43	47
	70/10/45°C (KW)	22	22	34	34	37
	60/10/45°C (KW)	15	15	24	24	26
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	531	575	795	882	1019
	70/10/60°C (L/H)	417	461	615	702	839
HEATING CAPACITY	80/10/60°C (KW)	22	22	34	34	37
	70/10/60°C (KW)	15	15	23	23	26

Benefits of HEAT PUMP + SOLAR DHW tanks

- The heat pump supply and return stubs are 1" female threaded, with an impressive coil diameter of **40.6 mm**.
- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

TANK ON TANK

COMBINATION DHW HEATER AND BUFFER TANKS



TYPE	200L+90L	250L+90L	300L+90L
PRODUCT CODE	TCLMVJ-20090FC	TCLMVJ-25090FC	TCLMVJ-30090FC

DIMENSIONS (mm) *	200L+90L	250L+90L	300L+90L
H – Overall height	1670	1930	2150
D – Diameter w/insulation	600	600	600
A – Cold water supply, 1” F thread	220	220	220
B – Heating element socket, 1¾” F thread	225	235	235
C – Heat pump coil return, 1” F thread	285	275	285
E – Temperature sensor capillary	485	560	565
F – Temperature sensor capillary	485	560	565
G – Heat pump coil supply, 1” F thread	865	935	990
I – Recirculation / return, ¾” F thread	730	965	1180
J – Temperature sensor capillary	885	1135	1340
K – P/T valve, ½” F thread	885	1135	1340
L – Hot water supply, 1” F thread	870	1130	1330
M – Connection stub, 1” F thread	1290	1535	1745
N – Heating element socket, 1¾” F thread	1305	1555	1755
O – Connection stub, 1” F thread	1290	1535	1740
P – Temperature sensor capillary	1365	1610	1815
R – Connection stub, 1” F thread	1450	1700	1900
S – Connection stub, 1” F thread	1455	1695	1900
T – Vent stub, ½” F thread	1670	1930	2150
Weight (kg)	85	92	102

* Height from the ground +/- 10mm

DHW TANK SPECIFICATION	200L+90L	250L+90L	300L+90L
INSULATION (mm)	40	40	40
MAX. INTERNAL PRESSURE (bar)	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	C	C	C
STANDSTILL LOSS (W)	77	86	94
COIL MATERIAL	AISI 316L STAINLESS STEEL		
TANK SHELL	DUPLEX STAINLESS STEEL		
EXTERNAL CASING	POWDER-COATED SHEET STEEL		

SPACE HEATING COIL PARAMETERS		200L+90L	250L+90L	300L+90L
COIL SURFACE AREA (m^2)		2.5	2.8	3
COIL CAPACITY (L)		11.8	13.2	14.2
MAX. COIL OPERATING PRESS. (bar)		6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90
DHW PRODUCTION CAPACITY	60/10/45°C (L/H)	1514	1691	1860
HEATING CAPACITY	60/10/45°C (KW)	55	60	65

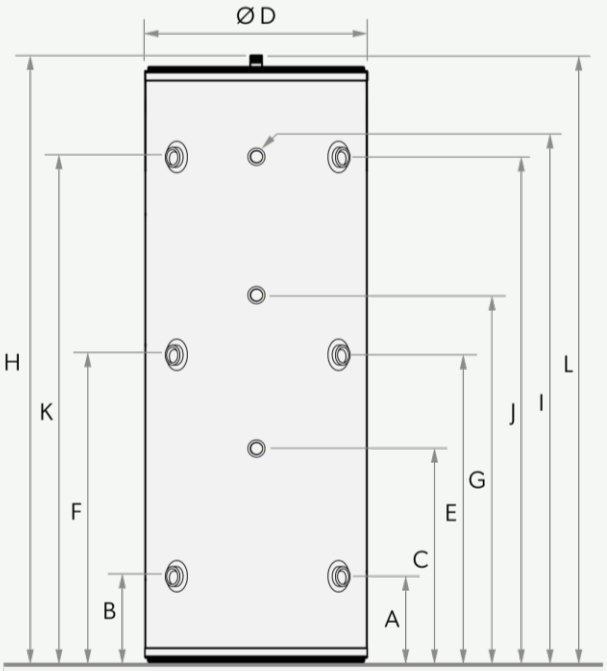
90L DHW BUFFER TANK SPECIFICATIONS	200L+90L	250L+90L	300L+90L
NOMINAL CAPACITY	90L	90L	90L
MAX. INTERNAL PRESSURE (bar)	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90
HEATER	3 kW 230V	3 kW 230V	3 kW 230V
STANDSTILL LOSS (W)	40	40	40
ENERGY RATING	B	B	B
TANK SHELL	DUPLEX STAINLESS STEEL		
EXTERNAL CASING	POWDER-COATED SHEET STEEL		

Benefits of TANK ON TANK DHW tanks

- A combination DHW tank are two separate heating systems in a single chassis to save on installation space in the boiler room.
- Easy installation: the buffer tank and DHW tank heater are integrated into a single package.
- The heat pump supply and return stubs are 1" female threaded, with an impressive coil diameter of **40.6 mm**.
- AISI 316L stainless steel connection stubs and coil.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included (installed in the buffer tank and the DHW tank).
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

BUFFER

STAINLESS STEEL BUFFER TANKS



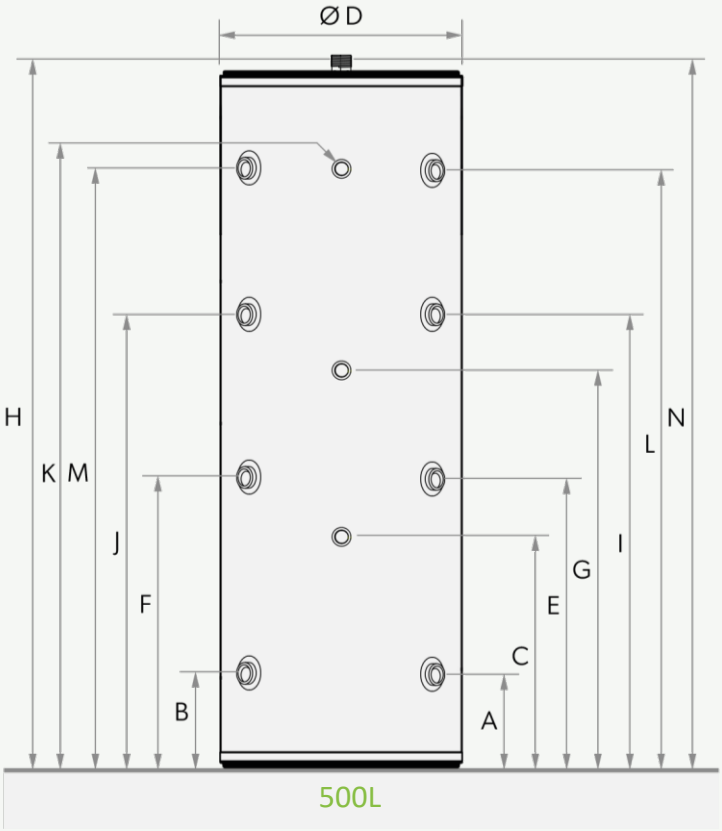
200L-400L

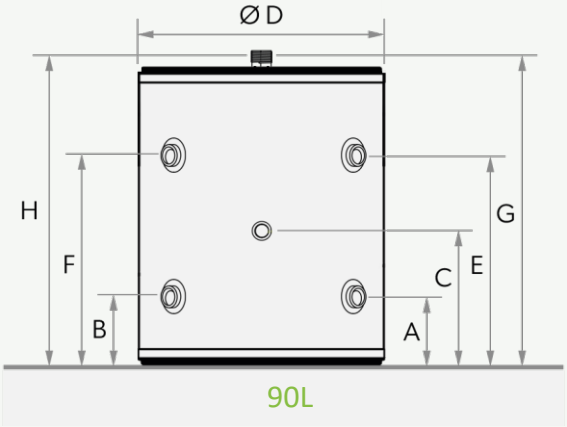
TYPE	90L	200L	300L	400L	500L
PRODUCT CODE	BBSSD -00090NFC	BBSSD -00200NFC	BBSSD -00300NFC	BBSSD -00400NFC	BBSSD -00500NFC

DIMENSIONS (mm) *	90L	200L	300L	400L	500L
H – Overall height	750	1460	1600	1540	1900
D – Diameter w/insulation	530	530	600	710	710
A – Connection stub, 1¼" F thread**	205	210	230	235	245
B – Connection stub, 1¼" F thread**	205	210	230	235	245
C – Temperature sensor capillary	355	310	575	230	605
E – Connection stub, 1¼" F thread**	505	705	780	755	695
F – Connection stub, 1¼" F thread**	505	705	780	755	695
G – Temperature sensor capillary	750	-	975	755	1075
I – Temperature sensor capillary	-	1205	1325	1275	1165
J – Connection stub, 1¼" F thread**	-	1205	1325	1275	1165
K – Connection stub, 1¼" F thread*	-	1205	1325	1280	1645
L – Vent stub, ½" F thread	-	1460	1600	1540	1625
M – Connection stub, 1½" F thread	-	-	-	-	1625
N – Vent stub, ½" F thread	-	-	-	-	1900
WEIGHT (kg)	26	40	55	62	77

* Height from the ground +/- 10mm

** 1 1/2" F thread for 400L capacity





SPECIFICATION	90L	200L	300L	400L	500L
INSULATION (mm)	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90
STANDSTILL LOSS (W)	40	81	92	102	115
ENERGY RATING	B	C	C	C	C
TANK SHELL	DUPLEX STAINLESS STEEL				
EXTERNAL CASING	POWDER-COATED SHEET STEEL				

Benefits of the BBSSD STAINLESS STEEL BUFFER TANKS

- Can run on space heating boiler water or DHW.
- **The buffer tanks are NIH-PZH certified for sanitized water and rated for 6 bar maximum operating pressure.**
- **Duplex** stainless steel shell with improved corrosion resistance.
- AISI 316L stainless steel connection stubs.
- No protective anode required.
- Each tank shell is etched, passivated and pressure-tested.
- Insulation: PUR (rigid polyurethane foam).
- **12-year warranty on tank integrity.**
- Optional electric heater can be installed (the heater must be compatible with stainless steel tank heaters).
- 200-300L and 400-500L buffer tanks require electric heaters with 5/4” and 6/4” connection end thread size, respectively.

BUFFER HP

STAINLESS STEEL BUFFER TANKS WITH A HEAT PUMP COIL (100L WALL-HUNG MODEL, 200- 500L FLOOR-STANDING MODELS)

NEW

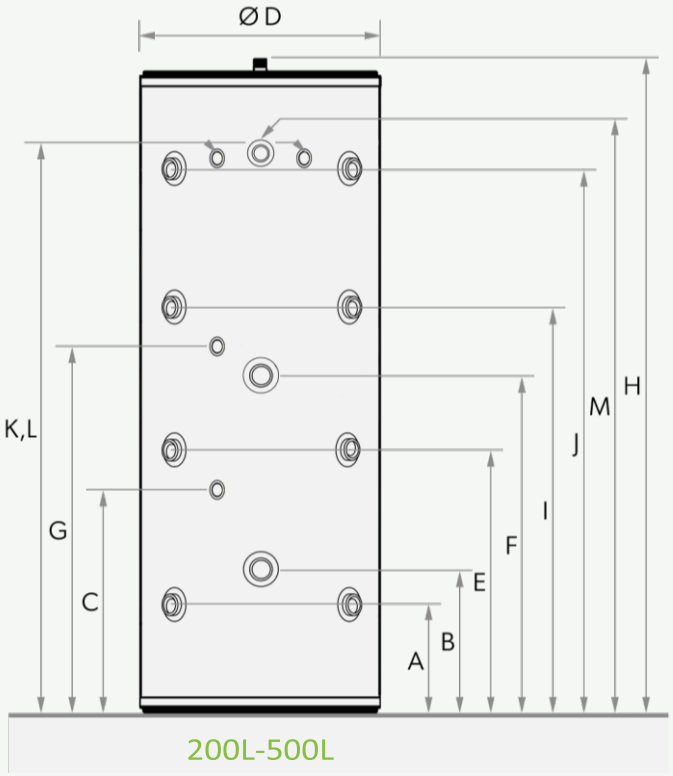
12 YEARS OF WARRANTY

STAINLESS STEEL

MADE IN EUROPE

NATIONAL INSTITUTE OF HEALTH PZH CERTIFIED PRODUCT

300L



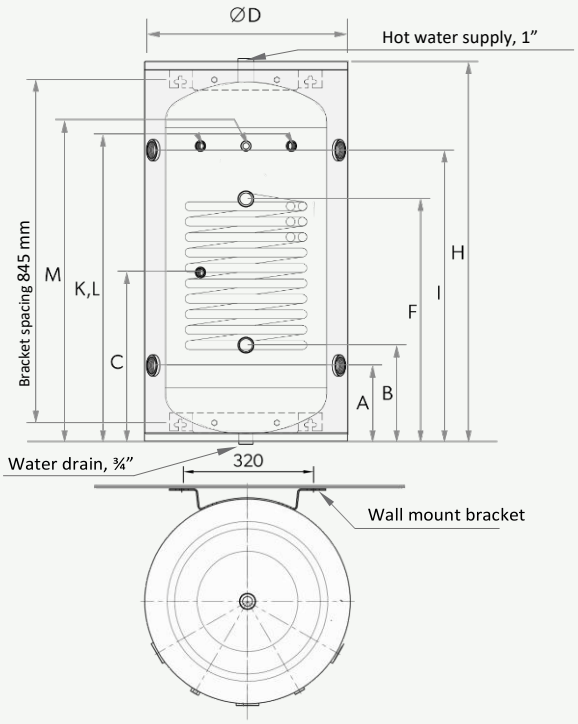
200L-500L

TYPE	100L	200L	300L	400L	500L
PRODUCT CODE	BBSSH-00100NFC	BBSSH-00200NFC	BBSSH-00300NFC	BBSSH-00400NFC	BBSSH-00500NFC

DIMENSIONS (mm) *	100L	200L	300L	400L	500L
H – Overall height	950	1460	1600	1570	1900
D – Diameter w/insulation	500	530	600	710	710
A – Connection stub, 1½" F thread	200	205	225	235	235
B – Heat pump coil return, 1" F thread	250	225	275	285	285
C – Temperature sensor capillary, ½"	429	470	520	470	510
E – Connection stub, 1½" F thread	-	700	765	578	698
F – Heat pump coil supply, 1" F thread	610	805	825	735	835
G – Temperature sensor capillary, ½"	-	-	1070	880	1050
I – Connection stub, 1½" F thread	730	1195	1310	920	1160
J – Connection stub, 1½" F thread	-	-	-	1265	1625
K – Temperature sensor capillary, ½"	740	1205	1325	1275	1635
L – P/T valve, ½" F thread	740	1205	1325	1275	1635
M – Thermometer stub, 1/2" F thread	740	1205	1325	1275	1635
H – Vent stub, ½" F thread	740	1205	1325	1275	1635
Weight (kg)	32	46	68	74	90

* Height from the ground +/- 10mm

100L



SPECIFICATION	100L	200L	300L	400L	500L
INSULATION (mm)	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90
ENERGY RATING	B	C	C	C	C
STANDSTILL LOSS (W)	44	83	92	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL				
TANK SHELL	DUPLEX STAINLESS STEEL				
EXTERNAL CASING	POWDER-COATED SHEET STEEL				

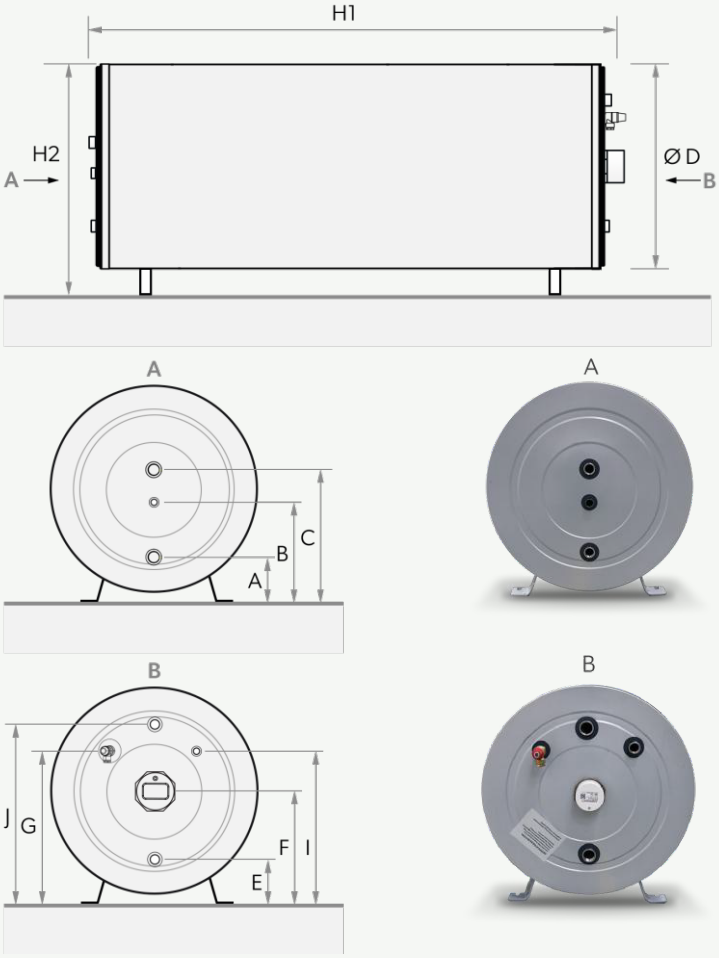
HEAT PUMP COIL PARAMETERS		100L	200L	300L	400L	500L
COIL SURFACE AREA (m^2)		1	2	2	2	2.5
COIL CAPACITY (L)		4.7	9.4	9.4	9.4	11.8
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	394	759	874	998	1267
HEATING CAPACITY	80/10/45°C (KW)	12	22	22	22	28
DHW PRODUCTION CAPACITY	70/10/45°C (L/H)	324	665	780	904	1127
HEATING CAPACITY	70/10/45°C (KW)	9	18	18	18	22
DHW PRODUCTION CAPACITY	60/10/45°C (L/H)	254	525	640	764	963
HEATING CAPACITY	60/10/45°C (KW)	6	12	12	12	15
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	226	465	546	633	788
HEATING CAPACITY	80/10/60°C (KW)	9	18	18	18	22
DHW PRODUCTION CAPACITY	70/10/60°C (L/H)	177	367	448	535	674
HEATING CAPACITY	70/10/60°C (KW)	6	12	12	12	15

Benefits of the BBSSH STAINLESS STEEL BUFFER TANKS

- The heat pump supply and return stubs are 1” female threaded, with an impressive coil diameter of 40.6 mm.
- Can run on space heating boiler water or DHW.
- **The buffer tanks are NIH-PZH certified for sanitized water and rated for 6 bar maximum operating pressure.**
- **Duplex** stainless steel shell with improved corrosion resistance.
- AISI 316L stainless steel connection stubs and coil.
- No protective anode required.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.
- Optional electric heater can be installed (the heater must be compatible with stainless steel tank heaters).
- 200-500L buffer tanks require electric heaters with a 6/4” connection end thread size.

HORIZONTAL INDIRECT

HORIZONTAL SINGLE-COIL DHW TANKS



TYPE	150L	200L	250L	300L	400L	500L
PRODUCT CODE	TCPMHI-0150LFC	TCPMHI-0200NFC	TCPMHI-0250NFC	TCPMHI-0300NFC	TCPMHI-0400LFC	TCPMHI-0500LFC

DIMENSIONS (mm) *	150L	200L	250L	300L	400L	500L
H1 – Overall height	1100	1100	1340	1540	1540	1900
H2 – Height from the ground	555	625	625	625	725	735
D – Diameter w/insulation	530	600	600	600	710	710
A – Space heating coil return, ¾" F thread	150	150	150	150	170	160
B – Temperature sensor capillary	270	300	300	300	350	350
C – Space heating coil supply, ¾" F thread	400	400	400	400	510	510
E – Cold water supply 1" F thread	150	150	150	150	165	170
F – Heating element socket, 1¾" F thread	300	330	330	330	385	390
G – P/T valve, ½" F thread	400	470	440	470	515	530
I – Recirculation / return, ¾" F thread	400	470	440	470	515	530
J – Hot water supply, 1" F thread	450	510	510	530	600	600
Weight (kg)	47	59	71	79	115	137

* Height from the ground +/- 10mm

SPECIFICATION	150L	200L	250L	300L	400L	500L
INSULATION (mm)	40	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	C	C	C	C	C	C
STANDSTILL LOSS (W)	63	81	89	94	104	115
COIL MATERIAL	AISI 316L STAINLESS STEEL					
TANK SHELL	DUPLEX STAINLESS STEEL					
EXTERNAL CASING	POWDER-COATED SHEET STEEL					

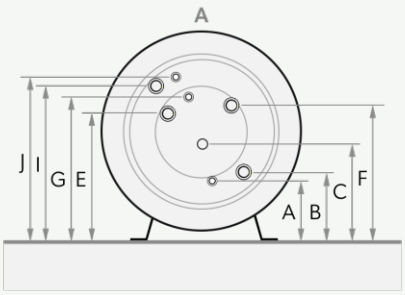
SPACE HEATING PARAMETERS		150L	200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)		0.6	0.67	0.8	0.8	1.1	1.2
COIL CAPACITY (L)		2.8	3.2	3.8	3.8	5.2	5.7
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	742	847	1054	1104	1484	1706
	70/10/45°C (L/H)	602	707	891	941	1274	1473
	60/10/45°C (L/H)	485	567	704	754	1040	1216
HEATING CAPACITY	80/10/45°C (KW)	24	26	32	32	43	47
	70/10/45°C (KW)	18	20	25	25	34	37
	60/10/45°C (KW)	13	14	17	17	24	26
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	437	495	624	659	892	1031
	70/10/60°C (L/H)	339	397	493	528	712	851
HEATING CAPACITY	80/10/60°C (KW)	19	20	25	25	34	37
	70/10/60°C (KW)	13	14	17	17	23	26

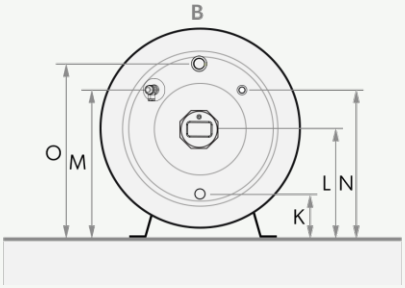
Benefits of HORIZONTAL INDIRECT DHW tanks

- Ideal for low rooms.
- AISI 316L stainless steel connection stubs and coil.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.
- Installed on sound, solid floors.

HORIZONTAL TWIN SOLAR

HORIZONTAL TWIN-COIL DHW TANKS





TYPE	150L	200L	250L	300L	400L	500L
PRODUCT CODE	TCPMHS-0150LFC	TCPMHS-0200NFC	TCPMHS-0250NFC	TCPMHS-0300NFC	TCPMHS-0400LFC	TCPMHS-0500LFC

DIMENSIONS (mm) *	150L	200L	250L	300L	400L	500L
H – Overall height	1100	1100	1340	1540	1540	1900
D – Diameter w/insulation	530	600	600	600	710	710
A – Temperature sensor capillary	120	200	180	180	190	180
B – Solar coil return, ¾" F thread	150	200	200	190	200	200
C – Temperature sensor capillary	230	300	280	280	340	340
E – Space heating coil return, ¾" F thread	300	380	370	360	440	450
F – Solar coil supply, ¾" F thread	260	380	380	380	480	450
G – Temperature sensor capillary	350	430	430	430	490	490
I – Space heating coil supply, ¾" F thread	400	490	480	480	560	570
J – Temperature sensor capillary	430	500	500	490	590	600
K – Cold water supply 1" F thread	150	150	150	150	170	170
L – Heating element socket, 1¾" F thread	310	330	330	330	390	390
M – P/T valve, ½" F thread	410	450	450	470	540	540
N – Recirculation / return, ¾" F thread	410	450	450	470	540	540
O – Hot water supply, 1" F thread	450	520	520	520	600	600
Weight (kg)	49	63	74	83	123	147

* Height from the ground +/- 10mm

SPECIFICATION	150L	200L	250L	300L	400L	500L
INSULATION (mm)	40	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	C	C	C	C	C	C
STANDSTILL LOSS (W)	63	80	89	92	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL					
TANK SHELL	DUPLEX STAINLESS STEEL					
EXTERNAL CASING	POWDER-COATED SHEET STEEL					

SPACE HEATING COIL PARAMETERS		150L	200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)		0.58	0.6	0.67	0.8	1	1.2
COIL CAPACITY (L)		2.7	2.8	3.2	3.8	4.7	5.7
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	692	798	915	1101	1427	1702
	70/10/45°C (L/H)	598	658	775	938	1193	1469
	60/10/45°C (L/H)	458	541	635	759	1007	1212
HEATING CAPACITY	80/10/45°C (KW)	22	24	26	32	40	47
	70/10/45°C (KW)	18	18	20	25	30	37
	60/10/45°C (KW)	12	13	14	17	22	26
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	418	477	543	657	868	1028
	70/10/60°C (L/H)	320	379	445	526	704	848
HEATING CAPACITY	80/10/60°C (KW)	18	19	20	25	32	37
	70/10/60°C (KW)	12	13	14	17	22	26

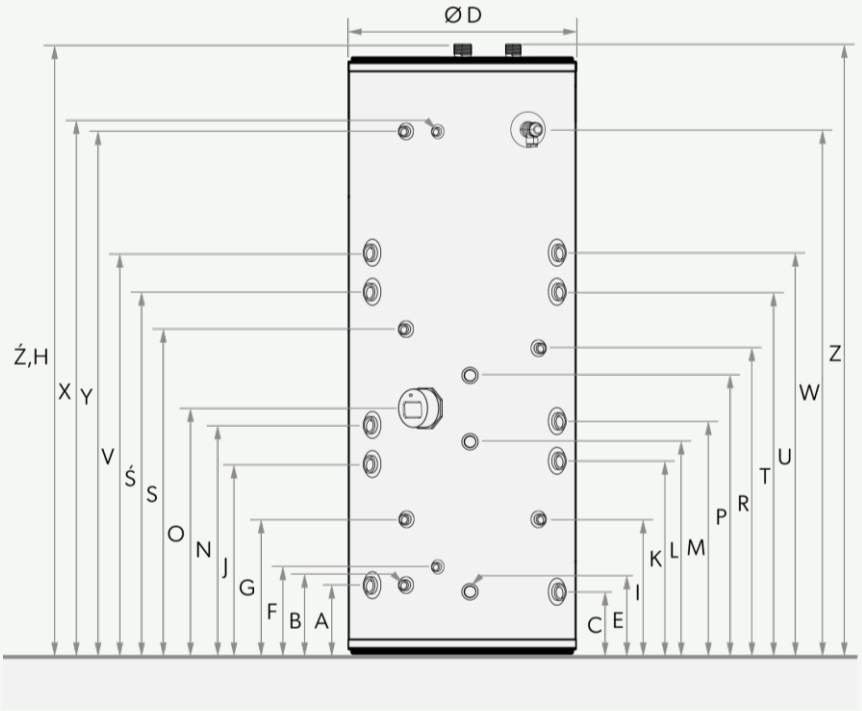
SPACE HEATING PARAMETERS		150L	200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)		0.58	0.6	0.6	0.67	0.67	0.8
COIL CAPACITY (L)		2.7	2.8	2.8	3.2	3.2	3.8
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	594	647	671	743	779	957
	70/10/45°C (L/H)	500	507	531	603	639	794
	60/10/45°C (L/H)	360	390	414	463	499	607
HEATING CAPACITY	80/10/45°C (KW)	22	24	24	26	26	32
	70/10/45°C (KW)	18	18	18	20	20	25
	60/10/45°C (KW)	12	13	13	14	14	17
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	350	371	387	422	448	556
	70/10/60°C (L/H)	252	273	289	324	350	425
HEATING CAPACITY	80/10/60°C (KW)	18	19	19	20	20	25
	70/10/60°C (KW)	12	13	13	14	14	17

Benefits of HORIZONTAL TWIN SOLAR DHW tanks

- **Ideal for low rooms.**
- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.
- Installed on sound, solid floors.

THERMALSTORE 2.0

STAINLESS STEEL BUFFER TANKS WITH HYGIENIC DEMAND COIL AND AUX COIL



12 YEARS OF WARRANTY

STAINLESS STEEL

MADE IN EUROPE

NATIONAL INSTITUTE OF HEALTH PZH CERTIFIED PRODUCT

TYPE	200L	250L	300L	400L	500L
PRODUCT CODE	TCSMVS-00200FC	TCSMVS-00250FC	TCSMVS-00300FC	TCSMVS-00400FC	TCSMVS-00500FC

DIMENSIONS (mm) *	200L	250L	300L	400L	500L
H – Overall height	1450	1400	1600	1570	1900
D – Diameter w/insulation	530	600	600	710	710
A – Connection stub, 1" F thread	200	215	215	225	225
B – Drain stub, ½" F thread	200	215	215	225	225
C – Connection stub, 1" F thread	200	220	215	225	230
E – Solar coil return, ¾" F thread	200	220	215	225	230
F – Solar heat sensor capillary	250	270	265	230	275
G – Temperature sensor capillary	350	365	365	305	375
I – Temperature sensor capillary	490	365	-	305	-
J – Connection stub, 1" F thread	490	465	520	530	630
K – Connection stub, 1" F thread	530	470	520	530	635
L – Solar coil supply, ¾" F thread	580	555	565	575	680
M – Connection stub, 1" F thread	590	565	620	630	730
N – Connection stub, 1" F thread	590	570	620	630	735
O – Heating element socket, 1¾" F thread	640	585	645	655	765
P – Hygienic coil supply, 1" F thread	705	635	705	725	815
R – Temperature sensor capillary	710	685	760	800	930
S – Temperature sensor capillary	825	690	765	800	930
Ś – Connection stub, 1" F thread	825	790	910	920	1155
T – Connection stub, 1" F thread	925	790	910	920	1155
U — Connection stub, 1" F thread	925	890	1010	1020	1255
V – Connection stub, 1" F thread	1210	890	1010	1020	1255
W – P/T valve, ½" F thread	1210	1130	1325	1285	1640
X – Solar heat sensor capillary	1210	1130	1325	1285	1640
Y – Temperature sensor capillary	1210	1130	1325	1285	1640
Z – Hygienic coil outlet, 1" F thread	1450	1400	1600	1570	1900
Ź – Vent stub, 1" F thread	1450	1400	1600	1570	1900
Weight (kg)	43	55	64	71	87

* Height from the ground +/- 10mm

SPECIFICATION	200L	250L	300L	400L	500L
INSULATION (mm)	40	40	40	50	50
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6
MAX. OPERATING TEMP. (°C)	90	90	90	90	90
HEATER	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V	3 kW 230 V
ENERGY RATING	C	C	C	C	C
STANDSTILL LOSS (W)	83	91	96	102	115
COIL MATERIAL	AISI 316L STAINLESS STEEL				
TANK SHELL	DUPLEX STAINLESS STEEL				
EXTERNAL CASING	POWDER-COATED SHEET STEEL				

SOLAR COIL PARAMETERS	200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)	2.3	2.3	2.3	2.3	3.45
COIL CAPACITY (L)	10.5	10.5	10.5	10.5	15.7
MAX. COIL OPERATING PRESS. (bar)	6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)	90	90	90	90	90

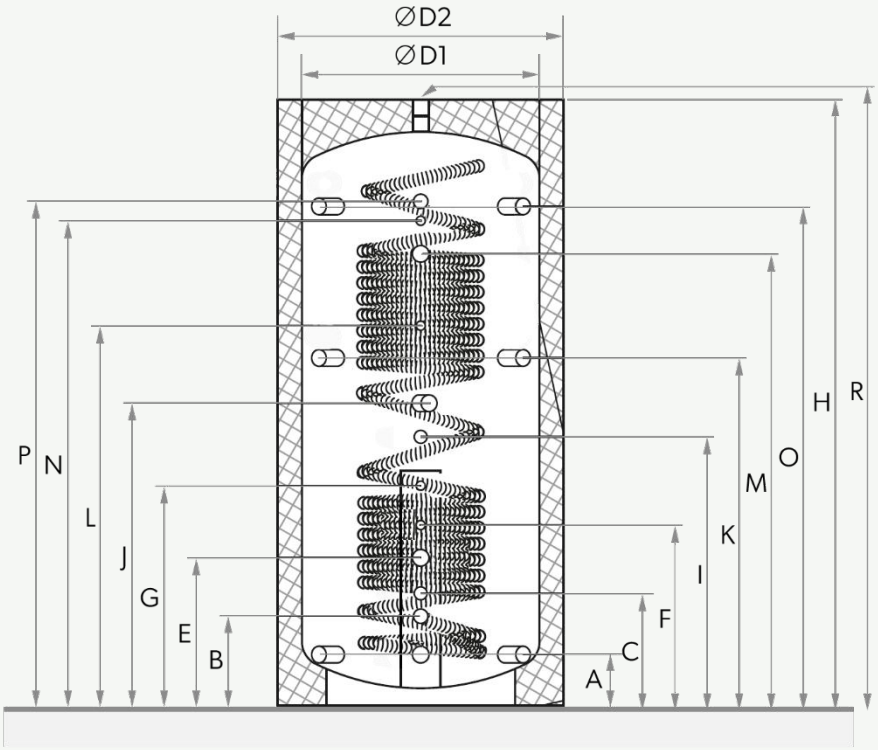
SPACE HEATING PARAMETERS		200L	250L	300L	400L	500L
COIL SURFACE AREA (m^2)		1	1	1	1	1.15
COIL CAPACITY (L)		4.7	4.7	4.7	4.7	5.3
MAX. COIL OPERATING PRESS. (bar)		6	6	6	6	6
MAX. OPERATING OPERATING TEMP. (°C)		90	90	90	90	90
DHW PRODUCTION CAPACITY	80/10/45°C (L/H)	1168	1236	1288	1411	1680
	70/10/45°C (L/H)	934	1002	1054	1177	1446
	60/10/45°C (L/H)	748	816	868	991	1190
HEATING CAPACITY	80/10/45°C (KW)	40	40	40	40	46
	70/10/45°C (KW)	30	30	30	30	36
	60/10/45°C (KW)	22	22	22	22	25
DHW PRODUCTION CAPACITY	80/10/60°C (L/H)	987	735	771	857	1012
	70/10/60°C (L/H)	523	571	607	693	833
HEATING CAPACITY	80/10/60°C (KW)	32	32	32	32	36
	70/10/60°C (KW)	22	22	22	22	25

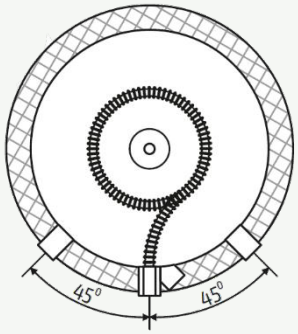
Benefits of THERMAL STORE 2.0 buffer tanks

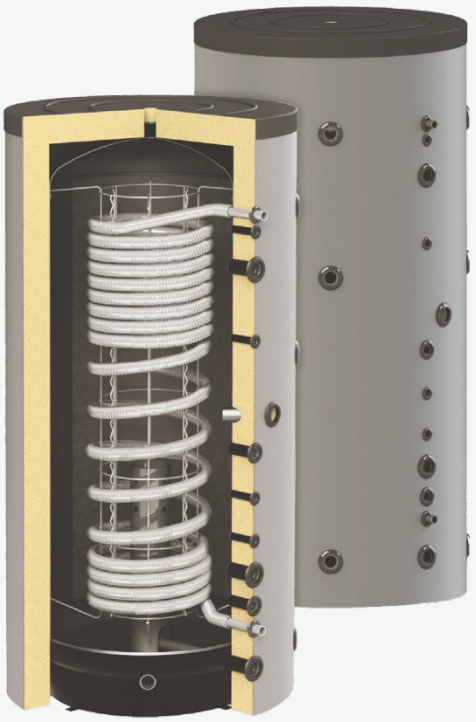
- This type of DHW tanks are intended for buildings that see irregular DHW consumption or whenever the DHW system must run on several heat sources.
- Corrugated hygienic coil for demand DHW production + a solar-heated coil.
- AISI 316L stainless steel connection stubs and coils.
- **Duplex** stainless steel shell with improved corrosion resistance.
- 3 kW/230 V electric heater included.
- No protective anode required.
- Extra P/T (pressure & temperature) safety valve included.
- Each tank shell is etched, passivated and pressure-tested.
- The plain stainless steel solar-heated coil reduces the water heating rate by up to 20% by better heat transfer than coils made of conventional materials.
- Insulation: PUR (rigid polyurethane foam).
- 12-year warranty on tank integrity.

THERMAL STORE BLACK

BLACK BUFFER TANKS WITH STAINLESS STEEL DEMAND COIL







Benefits of THERMAL STORE BLACK buffer tanks

- This type of DHW tanks are intended for buildings that see irregular DHW consumption or whenever the DHW system must run on several heat sources.
- Corrugated hygienic coil for demand DHW production.
- Electric heater capable.
- **Removable 100 mm insulation cladding for easy handling.**
- **60-month warranty on tank integrity.**
- Electric heater capable.

TYPE	500L	800L	1000L	1500L
PRODUCT CODE	TCSMVD-0500F	TCSMVD-0800F	TCSMVD-1000F	TCSMVD-1500F

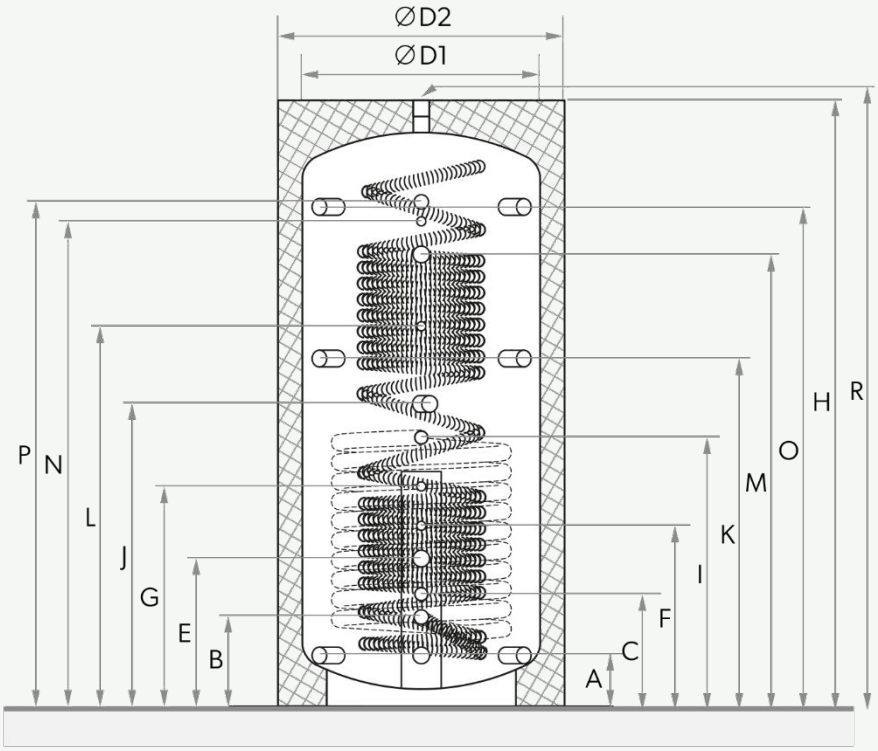
DIMENSIONS (mm)*	500L	800L	1000L	1500L
H – Overall height	1750	1890	2090	2220
ØD1 – Diameter w/o insulation	650	790	790	1000
ØD2 - Diameter w/insulation	850	990	990	1200
A – Connection stub, 6/4” thread	150	170	170	235
B – Cold water supply, 1” thread	250	270	310	345
C – Heating medium return, 1” thread	325	350	390	445
E – Connection stub, 6/4” thread	430	470	500	690
F – Thermometer/sensor stub, 1/2” thread	540	590	620	800
G – Thermometer/sensor stub, 1/2” thread	650	710	770	920
I – Heating medium supply, 1” thread	775	845	930	1045
J – Electric heater port, 6/4” thread	900	930	1050	1280
K – Connection stub, 6/4” thread	1030	1050	1210	1405
L – Thermometer/sensor stub, 1/2” thread	1140	1160	1320	1520
M – Connection stub, 6/4” thread	1360	1410	1510	1720
N – Thermometer/sensor stub, 1/2” thread	1420	1520	1700	1790
O – Connection stub, 6/4” thread	1450	1550	1740	1820
P – Hot water supply, 1” thread	1480	1580	1760	1850
R – Tank vent, 6/4” thread	1750	1890	2090	2220
Weight (kg)	131	171	182	289

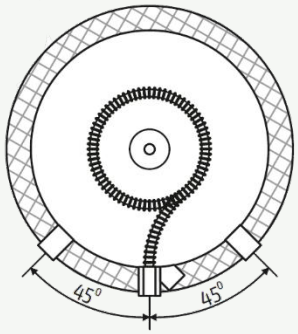
* Height from the ground +/- 20mm

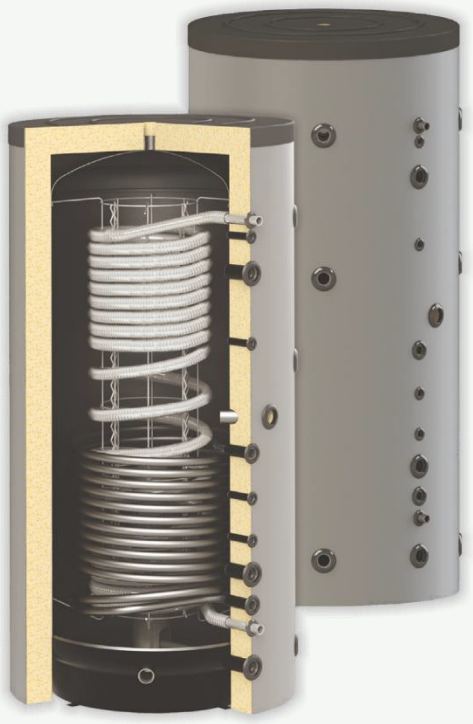
SPECIFICATION	500L	800L	1000L	1500L
Actual capacity (l)	478	780	880	1444
DHW coil surface area (m^2)	5.5	6.11	6.11	9.9
DHW coil capacity (L)	22	25	25	40
Max. tank internal pressure & temperature (°C /bar)	95/3	95/3	95/3	95/3
Max. DHW coil internal pressure & temperature (°C /bar)	95/6	95/6	95/6	95/6
Continuous DHW production capacity 10/45°C \ buffer tank primed to DHW 65°C	1080/44	1840/75	1840/75	2800/114
Continuous DHW production capacity 10/38°C, buffer tank primed to DHW 65°C (l/h) (kW)	1350/44	2300/75	2300/75	3500/114
DHW discharge capacity 10/38°C, buffer tank heated to DHW 65°C (L)	375	580	790	1150
ΔT – temperature difference between the buffer tank and DHW at 30/40/50 l/min	6/8/12	3.5/5/8	3.5/5/8	2/3/5
Insulation type/material	REMOVABLE/FIBRE			
Energy rating	C	C	C	C

THERMAL STORE BLACK 1

BLACK BUFFER TANKS WITH STAINLESS STEEL DEMAND COIL + SINGLE BLACK COIL







Benefits of THERMAL STORE BLACK 1 buffer tanks

- This type of DHW tanks are intended for buildings that see irregular DHW consumption or whenever the DHW system must run on several heat sources.
- Corrugated hygienic coil for demand DHW production + single black steel auxiliary heating coil.
- Electric heater capable.
- **Removable 100 mm insulation cladding for easy handling.**
- **60-month warranty on tank integrity.**
- Electric heater capable.

TYPE	500L	800L	1000L	1500L
PRODUCT CODE	TCSMVI-0500F	TCSMVI-0800F	TCSMVI-1000F	TCSMVI-1500F

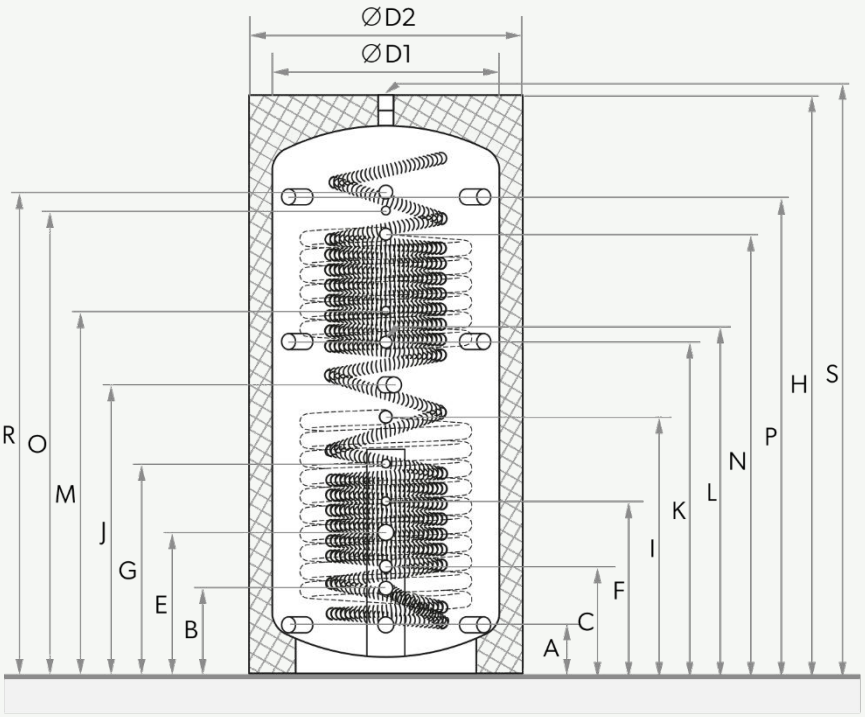
DIMENSIONS (mm)*	500L	800L	1000L	1500L
H – Overall height	1750	1890	2090	2220
ØD1 – Diameter w/o insulation	650	790	790	1000
ØD2 - Diameter w/insulation	850	990	990	1200
A – Connection stub, 6/4” thread	150	170	170	235
B – Cold water supply, 1” thread	250	270	310	345
C – Lower coil return, 1” thread	325	350	390	445
E – Connection stub, 6/4” thread	430	470	500	690
F – Thermometer/sensor stub, 1/2” thread	540	590	620	800
G – Thermometer/sensor stub, 1/2” thread	650	710	770	920
I – Lower coil supply, 1” thread	775	845	930	1045
J – Electric heater port, 6/4” thread	900	930	1050	1280
K – Connection stub, 6/4” thread	1030	1050	1210	1405
L – Thermometer/sensor stub, 1/2” thread	1140	1160	1320	1520
M – Connection stub, 6/4” thread	1360	1410	1570	1720
N – Thermometer/sensor stub, 1/2” thread	1420	1520	1700	1790
O – Connection stub, 6/4” thread	1480	1580	1760	1850
P – Hot water supply, 1” thread	1450	1550	1740	1820
R – Tank vent, 6/4” thread	1750	1890	2090	2220
Weight (kg)	154	204	228	354

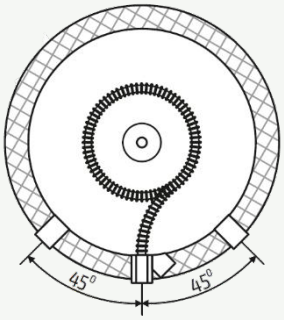
* Height from the ground +/- 20mm

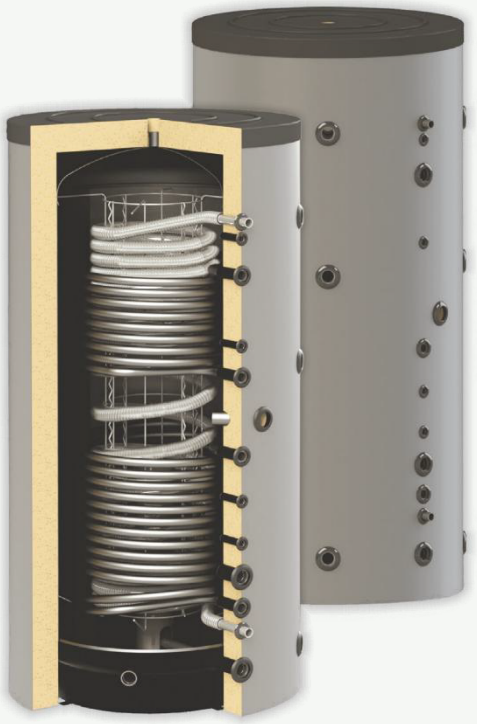
SPECIFICATION	500L	800L	1000L	1500L
Actual capacity (l)	471	762	859	1427
DHW coil surface area (m^2)	5.5	6.11	6.11	9.9
DHW coil capacity (L)	22	25	25	40
Lower coil surface area (m^2)	1.7	2.9	3.0	3.4
Lower coil capacity (L)	10.5	17.9	18.5	21
Max. tank internal pressure & temperature (°C /bar)	95/3	95/3	95/3	95/3
Max. DHW coil internal pressure & temperature (°C /bar)	95/6	95/6	95/6	95/6
Max. lower coil internal pressure & temperature (°C /bar)	110/16	110/16	110/16	110/16
Continuous DHW production capacity 10/45°C \ buffer tank primed to DHW 65°C	1080/44	1840/75	1840/75	2800/114
Continuous DHW production capacity 10/38°C, buffer tank primed to DHW 65°C (l/h) (kW)	1350/44	2300/75	2300/75	3500/114
DHW discharge capacity 10/38°C, buffer tank heated to DHW 65°C (L)	375	580	790	1150
ΔT – temperature difference between the buffer tank and DHW at 30/40/50 l/min	6/8/12	3.5/5/8	3.5/5/8	2/3/5
Insulation type/material	REMOVABLE/FIBRE			
Energy rating	C	C	C	C

THERMAL STORE BLACK 2

BLACK BUFFER TANKS WITH STAINLESS STEEL DEMAND COIL + TWO BLACK COILS







Benefits of THERMAL STORE BLACK 2 buffer tanks

- This type of DHW tanks are intended for buildings that see irregular DHW consumption or whenever the DHW system must run on several heat sources.
- Corrugated hygienic coil for demand DHW production + two black steel auxiliary heating coils.
- Electric heater capable.
- **Removable 100 mm insulation cladding for easy handling.**
- **60-month warranty on tank integrity.**

TYPE	500L	800L	1000L	1500L
PRODUCT CODE	TCSMVS-0500F	TCSMVS-0800F	TCSMVS-1000F	TCSMVS-1500F

DIMENSIONS (mm)*	500L	800L	1000L	1500L
H – Overall height	1750	1890	2090	2220
ØD1 – Diameter w/o insulation	650	790	790	1000
ØD2 - Diameter w/insulation	850	990	990	1200
A – Connection stub, 6/4” thread	150	170	170	235
B – Cold water supply, 1” thread	250	270	310	345
C – Lower coil return, 1” thread	325	350	390	445
E – Connection stub, 6/4” thread	430	470	500	690
F – Thermometer/sensor stub, 1/2” thread	540	590	620	800
G – Thermometer/sensor stub, 1/2” thread	650	710	770	920
I – Lower coil supply, 1” thread	775	845	930	1045
J – Electric heater port, 6/4” thread	900	930	1050	1280
K – Connection stub, 6/4” thread	1030	1050	1210	1405
L – Upper coil return, 1” thread	1030	1050	1210	1405
M – Thermometer/sensor stub, 1/2” thread	1140	1160	1320	1520
N – Upper coil supply, 1” thread	1360	1410	1570	1720
O – Thermometer/sensor stub, 1/2” thread	1420	1520	1700	1790
P – Connection stub, 6/4” thread	1450	1550	1740	1820
R – Hot water supply, 1” thread	1480	1580	1760	1850
S – Tank vent, 6/4” thread	1750	1890	2090	2220
Weight (kg)	176	229	248	375

* Height from the ground +/- 20mm

SPECIFICATION	500L	800L	1000L	1500L
Actual capacity (l)	465	748	847	1402
DHW coil surface area (m^2)	5.5	6.11	6.11	9.9
DHW coil capacity (L)	22	25	25	40
Lower coil surface area (m^2)	1.7	2.9	3.0	3.4
Lower coil capacity (L)	10.5	17.9	18.5	21
Upper coil surface area (m^2)	1.0	1.8	2.0	2.4
Upper coil capacity (L)	6.5	11.1	12.3	14.8
Max. tank internal pressure & temperature (°C /bar)	95/3	95/3	95/3	95/3
Max. DHW coil internal pressure & temperature (°C /bar)	95/6	95/6	95/6	95/6
Max. upper/lower coil internal pressure & temperature (°C /bar)	110/16	110/16	110/16	110/16
Continuous DHW production capacity 10/45°C \ buffer tank primed to DHW 65°C	1080/44	1840/75	1840/75	2800/114
Continuous DHW production capacity 10/38°C, buffer tank primed to DHW 65°C (l/h) (kW)	1350/44	2300/75	2300/75	3500/114
DHW discharge capacity 10/38°C, buffer tank heated to DHW 65°C (L)	375	580	790	1150
ΔT – temperature difference between the buffer tank and DHW at 30/40/50 l/min	6/8/12	3.5/5/8	3.5/5/8	2/3/5
Insulation type/material	REMOVABLE/FIBRE			
Energy rating	C	C	C	C

CUSTOM DHW HEATER TANKS & BUFFER TANKS*

We have been manufacturing stainless steel hot water tanks for more than two decades and have been in the market for more than twice as long. We spend hundreds of thousands of Euros annually on the research and development of innovative products. The result is our capability of building almost any DHW storage tank from 50 to 5000 litres to the customer's individual requirements. We can quote a custom solution with just a few inputs from you:

- Storage capacity;
- Operating pressure;
- Number and size(s) of connection stubs;
- Coil surface area, if any.

Check us out and place your request at **biuro@joule-pl.pl**.

316L SS COILLESS DHW TANKS FROM 750 TO 4000 L

CAPACITY	750L	1000L	1500L	2000L	2500L	3000L	4000L
PRODUCT CODE	TCPMVD-750LFC	TCPMVD-1000LFC	TCPMVD-1500LFC	TCPMVD-2000LFC	TCPMVD-2500LFC	TCPMVD-3000LFC	TCPMVD-4000LFC
HEIGHT (mm)	2100	2150	2200	2450	2700	2700	2800
DIAMETER W/INSULATION (mm)	950	1100	1250	1300	1400	1470	1680
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6	6
MAX. COIL PRESSURE (bar)	6	6	6	6	6	6	6
MAX. TANK TEMPERATURE (°C)	90	90	90	90	90	99	90
SOFT MATERIAL INSULATION (mm)	100	100	100	100	100	100	100

316L SS SINGLE COIL DHW STORAGE HEATERS FROM 750 TO 4000 L

CAPACITY	750L	1000L	1500L	2000L	2500L	3000L	4000L
PRODUCT CODE	TCPMVI-750LFC	TCPMVI-1000LFC	TCPMVI-1500LFC	TCPMVI-2000LFC	TCPMVI-2500LFC	TCPMVI-3000LFC	TCPMVI-4000LFC
HEIGHT (mm)	2100	2150	2200	2450	2700	2700	2800
DIAMETER W/INSULATION (mm)	950	1100	1250	1300	1400	1470	1680
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6	6
MAX. COIL PRESSURE (bar)	6	6	6	6	6	6	6
COIL (m2)	2.4	3.1	4.3	5.6	6	7	8
MAX. TANK TEMPERATURE (°C)	90	90	90	90	90	90	90
SOFT MATERIAL INSULATION (mm)	100	100	100	100	100	100	100

316L SS TWIN COIL DHW STORAGE HEATERS FROM 750 TO 4000 L

CAPACITY	750L	1000L	1500L	2000L	2500L	3000L	4000L
PRODUCT CODE	TCPMVS-750LFC	TCPMVS-1000LFC	TCPMVS-1500LFC	TCPMVS-2000LFC	TCPMVS-2500LFC	TCPMVS-3000LFC	TCPMVS-4000LFC
HEIGHT (mm)	2100	2150	2200	2450	2700	2700	2800
DIAMETER W/INSULATION (mm)	960	1100	1250	1300	1400	1470	1680
MAX. INTERNAL PRESSURE (bar)	6	6	6	6	6	6	6
MAX. COIL PRESSURE (bar)	6	6	6	6	6	8	8
COIL (m2)	2.4	3.1	4.3	5.6	6	7	8
COIL #2 (m2)	1.1	1.5	2.8	3.5	4	4.5	5
MAX. TANK TEMPERATURE (°C)	90	90	90	90	90	90	90
SOFT MATERIAL INSULATION (mm)	100	100	100	100	100	100	100

* The tanks are quoted and build per custom order.

JOULE ACCESSORIES

The Joule product range includes the accessories necessary for the proper operation of stainless steel DHW tanks. When installed in our main products, the accessories will ensure a DHW system which is reliable back to back. All Joule accessories have a 12-month warranty.

	Product code	Application	Description
	TZ9-7.0-0000.05	Stainless steel DHW tanks, 100-4000 L	P/T valve, ½”
	TZ9-7.0-000.75	Stainless steel DHW tanks, 100-4000 L	P/T valve, ¾”
	TZG-3.0-00-.75I	Stainless steel DHW tanks, 100-4000 L	Pressure relief valve + reducing valve
	TI-I-Q-14-2-01	Stainless steel DHW tanks, 100-4000 L	2 kW/230 V heater + reduction piece + o-ring
	TI-I-L-14-03-1	Stainless steel DHW tanks, 100-4000 L	3 kW/230 V heater, INCOLOY
	TI-T-L-14-03-1	Stainless steel DHW tanks, 100-4000 L	3 kW/230 V heater, TITANIUM
	TI-I-Q-14-3-03	Stainless steel DHW tanks, 100-4000 L	3kW/400V heater + reduction piece + o-ring
	TI-I-Q-14-6-03	Stainless steel DHW tanks, 100-4000 L	6kW/400V heater + reduction piece + o-ring
	CZGBPLU-01.75I	Stainless steel DHW tanks, 100-4000 L	Blind plug, 7/4” + o-ring
	CZGBPLU-0ADAPI	Stainless steel DHW tanks, 100-4000 L	7/4” to 6/4” reduction piece + o-ring
	CZBBORI-01.75I	Stainless steel DHW tanks, 100-4000 L	O-ring, 7/4”
	CZBBGUM-00.05I	Stainless steel DHW tanks, 100-4000 L	Sensor capillary blind plug, 1/2”

Find all Operating and Service Manuals for our products on www.joule.pl > **Knowledge** tab.

joule
Manufacturing Excellence

SERVICE

Claim your warranty on:
www.joule-pl.pl/serwis/

JOULE POLAND

OFFICE

Strzegomska 55E, 53-611 Wrocław, Poland

Front desk: +48 12 881 11 71
Sales: +48 721 009 202

WAREHOUSE

Strzegomska 55D, 53-611 Wrocław, Poland

Stock info: +48 601 913 419
E-mail biuro@joule-pl.pl