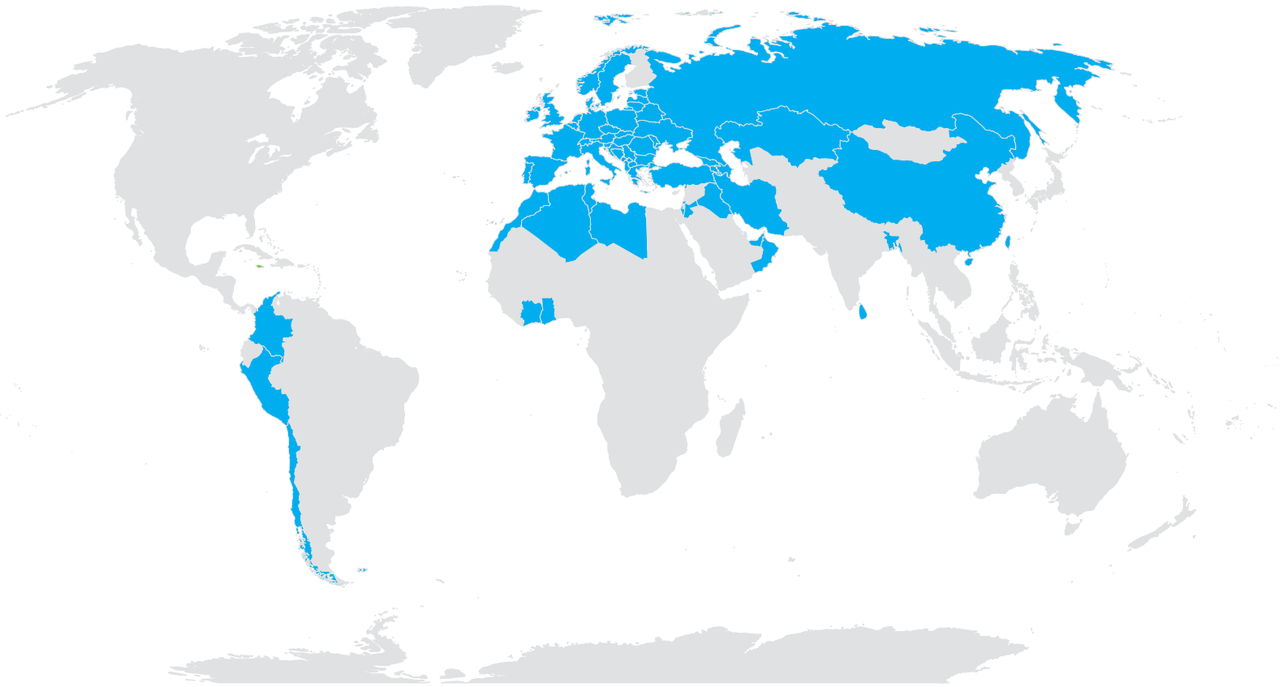
TESY



INDIRECTLY HEATED WATER TANKS

ABOUT TESY



MORE THAN 60 COUNTRIES

4 CONTINENTS

Scan this code to watch TESY corporate video

MORE THAN 1000 EMPLOYEES

4 FACTORIES

TESY is one of the leading European producers of **electric storage water heaters, indirectly heated water tanks**, **electric heating appliances** and **heat pump solutions.**

In the last decade TESY showed a rapid development and introduced to the world a wide range of cutting-edge products and patented solutions that meet the current requirements for energy efficiency and environmental protection.

The company continues its growth by investing in the latest technologies, production capacity and new products.

Since October 2017, TESY has been an official member of the EHPA (European Heat Pump Association), which aims to provide technical and financial support to European, national and local authorities on legislative, regulatory and energy efficiency matters.

TESY is also member of the European Technical Commission, that works directly on the development of European regulations regarding energy efficiency, for which we carry out laboratory tests and analyses of electric water heaters in order to verify and validate the methodology, described in the European regulations.

TESY MISSION, VISION, VALUES



MISSION

We set our hearts and minds on bringing warmth into your life.



VISION

Raising the bar in our industry, to be globally recognised as a leader of innovation and design in hot water and heating solutions. More comfort with a single touch.



VALUES

PASSION

We are a passionate team of enthusiastic professionals with ambitious goals. Leading by example, we create a culture that inspires people to go the extra mile. We put our hearts and minds in everything we do to embrace dynamic change.

INNOVATION

TESY people are open-minded, eager to learn and inspired to create. Challenging the status quo, we employ the latest technologies in supreme functionality and impressive design.

TRUST

The shared vision for openness and integrity is the core virtue of TESY's long-term partnerships. Supportive, loyal and trustful, we offer reliable products and service quality with respect for the individual.

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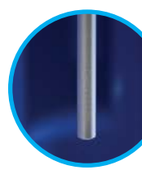
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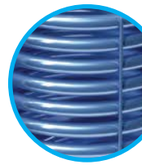
Page 100 **Accessories**

TECHNOLOGY



MAGNESIUM ANODE PROTECTORS

The **magnesium anode** supports the CrystalTech Pro enamel coating for trouble-free operation. TESY products contain 1, 2 or 3 magnesium anode protectors, according to the volume of the tank, in order to effectively protect the whole inner surface.



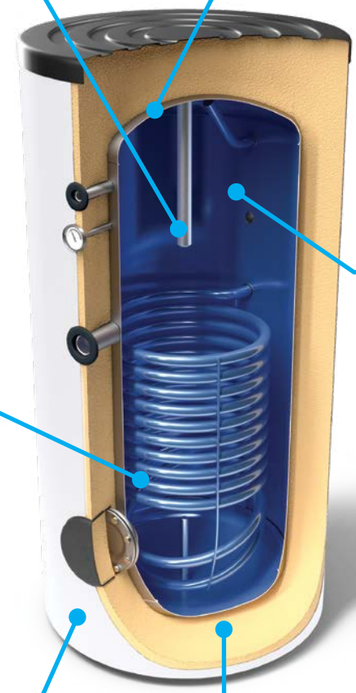
HEAT EXCHANGER

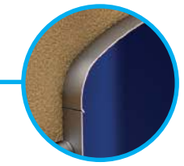
High efficiency, strength and durability.



WHITE EXTERNAL JACKET (OPTIONAL)

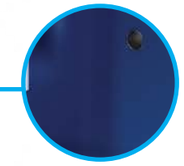
TESY offers its customers the option to choose a white external jacket in certain ranges of products.





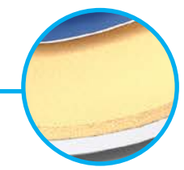
ROBOTISED WELDING PROCESS

The highly robotised technology ensures a high-quality and durable bond between the edges of the cylinder and domes of the water tank.



CRYSTALTECH PRO

Crystaltech PRO is a highly durable enamel coating of the water tank for protection against corrosion. The high level of precision of the enameling process ensures an even distribution of the enamel coating on the whole surface. The level of adhesion to the metal enhances the reliability and durability of the water heater.

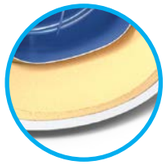


PU INSULATION

CFC free formula with high density and uniform distribution around the tank which ensures that TESY's products are energy efficient. (For models up to 500 L.)

INSULATION | MODELS: UP TO 500 L

CFC free PU foam INSULATION for minimal heat losses



INSULATION | MODELS: 800 L - 1000 L

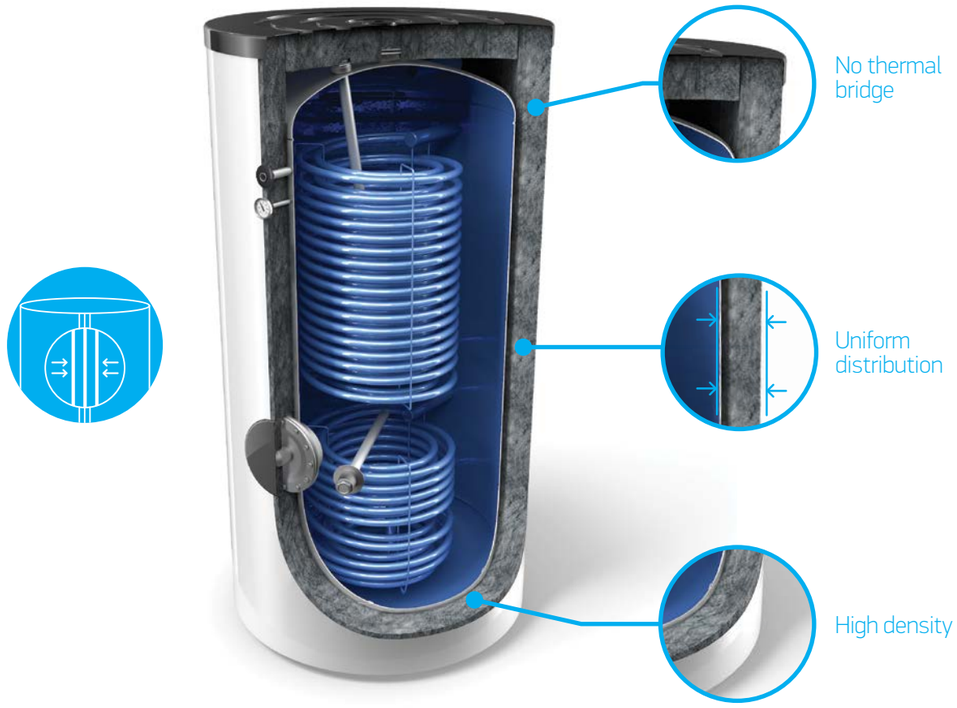
TESY ThermoShell Modular INSULATION

Modular EPS blocks are easy to disassemble and reassemble, which simplifies the installation process and reduces handling complexity.



INSULATION | MODELS: 1500 L - 2000 L

Removable polyester non-woven INSULATION for minimal heat losses



CODES READING STRUCTURE

Water Tank Type

V – Non Enameled
EV – Enameled Vertical

Number of Heat Exchangers in the tank

S – One Heat Exchanger
S2 – Two Heat Exchangers

Outer Diameter of the tank in cm.

55 65 99 130
60 75 20

XX XXXX X XXXX XX XX XXX

Number of coils in the heat exchanger

6 4/7 11 2x14
9 10 2x23

Capacity Group

100 200 500 1500
120 300 800 2000
160 400 1000

Abbreviature for Specific information

45D – 45° angled inlets & outlets
HP – Heat Pumps
B – 2 inlets & 2 outlets
Z – installation under wall-hung gas boiler
DN18 – Flange type
A – Energy class
ACF – Active Cooling Fittings
W – White PVC Jacket

CODES READING STRUCTURE
Examples

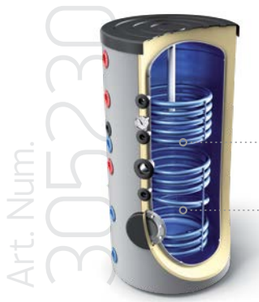


Art. Num. 301409

Water Tank Type	Number of coils in the heat exchanger		Capacity Group	Outer Diameter of the tank in cm.
EV	9	S	200	60

Water Tank Type EV – Enameled Vertical
Number of coils in the heat exchanger 9 – coils in the heat exchanger
S – One Heat Exchanger
Capacity Group 200
Outer Diameter of the tank in cm. 60

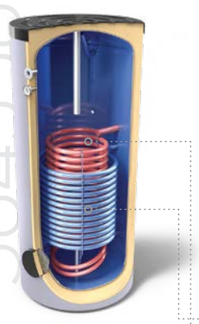
CODES READING STRUCTURE | Examples



Art. Num. 305230

Water Tank Type	Number of coils in the heat exchanger		Capacity Group	Outer Diameter of the tank in cm.	Abbreviature for Specific information
EV	7/5	S2	200	60	45D

Water Tank Type EV – Enameled Vertical
Number of coils in the heat exchanger 5 – coils in heat exchanger 2; 7 – coils in heat exchanger 1
S2 – Two Heat Exchangers
Capacity Group 200
Outer Diameter of the tank in cm. 60
Abbreviature for Specific information 45° angled inlets and outlets



Art. Num. 304998

Water Tank Type	Number of coils in the heat exchanger	Heat Exchanger 1	Integrated / parallel heat exchangers	Number of coils in the heat exchanger	Heat Exchanger 2	Capacity Group	Outer Diameter of the tank in cm.
EV	9	S	+	13	S	200	60

Water Tank Type EV – Enameled Vertical
Number of coils in the heat exchanger 9 – coils
Heat Exchanger 1 external
Integrated / parallel heat exchangers +
Number of coils in the heat exchanger 13 – coils
Heat Exchanger 2 internal
Capacity Group 200
Outer Diameter of the tank in cm. 60



Art. Num. 305250

Water Tank Type	Number of coils in the heat exchanger		Capacity Group	Outer Diameter of the tank in cm.	Specific information
EV	2x15	S	300	65	HP

Water Tank Type EV – Enameled Vertical
Number of coils in the heat exchanger 2x15 – One double heat exchanger with 15 coils
S – One Heat Exchanger
Capacity Group 300
Outer Diameter of the tank in cm. 65
Specific information Heat Pumps
Double heat exchanger



Art. Num. 305255

Water Tank Type	Number of coils in the heat exchanger	Number of coils in the heat exchanger		Capacity Group	Outer Diameter of the tank in cm.	Specific information
EV	2x5	2x12	S2	300	60	HP

Water Tank Type EV – Enameled Vertical
Number of coils in the heat exchanger 2x5 – Double heat exchanger with 5 coils
Number of coils in the heat exchanger 2x12 – Double heat exchanger with 12 coils
S2 – Two Heat Exchangers
Capacity Group 300
Outer Diameter of the tank in cm. 60
Specific information Heat Pumps
Double heat exchanger

DOMESTIC HOT WATER TANKS
FOR HEAT PUMP SYSTEMS



8 Bar

DOMESTIC HOT WATER TANKS WITH HIGH OUTPUT HEAT EXCHANGERS FOR HEAT PUMP SYSTEMS

Floor-standing indirectly heated water tanks for domestic hot water production with **DOUBLE HEAT EXCHANGERS** with an internal collector and large surface, suitable for use with **LOW-TEMPERATURE HEAT SOURCES**. This product family is specially designed for HEAT PUMP SYSTEMS.

The range includes models:

- from 160 L to 500 L with a double high output heat exchanger
- from 200 L to 1000 L with two double high output heat exchangers

Advantages:

- DOUBLE HIGH OUTPUT HEAT EXCHANGER provides improved heat transfer for low-temperature heat sources
- Decreased hydraulic resistance (pressure drop) of the heat exchanger with a larger diameter of the inlet and outlet on G1 1/2. (160 L model with inlets/outlets on G1).
- Heat exchangers with large surfaces for connection to heat pump or condensing gas boiler systems.
- Suitable to operation with low temperature heat sources.
- High quality **ENAMEL COATING** with **TESY CrystalTech PRO** technology.
- **MAGNESIUM ANODES PROTECTION** of the inner tank surface for extended product life.
- **CFC free PU foam INSULATION** for optimal heat losses for models up to 500 L.
- **TESY ThermoShell modular removable EPS INSULATION** for models 800 L and 1000 L.

DOMESTIC HOT WATER TANKS **for heat pump systems**

with **one double high output** heat exchanger

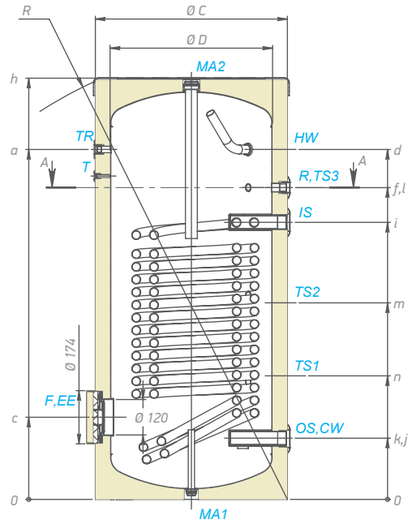
160 L to 500 L

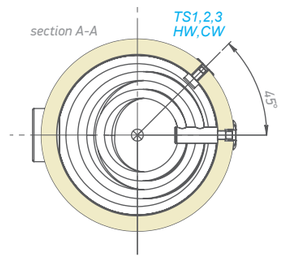


MODELS		EV 2x10 S 160 60 HP	EV 2x15 S 200 60 HP	EV 2x15 S 300 65 HP	EV 2x19 S 300 65 HP	EV 2x23 S 500 75 HP
Art.number	№	304703	305250	305257	305256	305231
Capacity	L	149	183	271	267	451
Net weight	kg	68	86	115	127	226
Insulation	mm	50	50	50	50	50
Heat exchanger surface S1	**m²**	**1,70**	**2,56**	**3,00**	**3,84**	**6,00**
Heat exchanger capacity S1	L	11,00	15,60	18,30	23,00	33,00
Heat losses ΔT45K	W	51	59	68	68	95
Energy efficiency class		B	B	B	B	C
Maximum operational temperature	°C	95	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80°	kW (l/min)	27.8 (16.6)	39.0 (20.8)	44.8 (25)	49.7 (25)	73.6 (29.2)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80°	L	206	299	462	428	662
Reheat time 10-60°C* rate at primary side (S1) Coil 80°	min (l/min)	16 (16.6)	15 (20.8)	20 (25)	16 (25)	18 (29.2)
Coil Pressure drop at flow rate m³/h (S1) Coil 80°	mBar (l/min)	6.4 (16.6)	13 (20.8)	18.9 (25)	21.5 (25)	45.5 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 55°	kW (l/min)	13.4 (33.3)	20.1 (33.3)	20.9 (33.3)	23.0 (33.3)	33.9 (33.3)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 55°	L	165	240	383	340	557
Reheat time 10-60°C* rate at primary side (S1) Coil 55°	min (l/min)	27 (33.3)	23 (33.3)	33 (33.3)	28 (33.3)	33.3 (33.3)
Coil Pressure drop at flow rate m³/h (S1) Coil 55°	mBar (l/min)	30 (33.3)	35.4 (33.3)	34.3 (33.3)	40.1 (33.3)	58.3 (33.3)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks for heat pump systems | with **one double high output** heat exchanger | **160 L to 500 L**



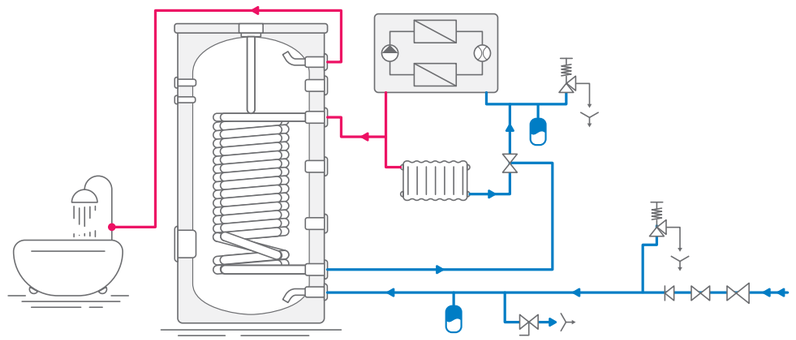


MODEL		TESY EV 2x10 S 160 60 HP	TESY EV 2X15 S 200 60 HP	TESY EV 2x15 S 300 65 HP	TESY EV 2x19 S 300 65 HP	TESY EV 2x23 S 500 75 HP
CW	cold water inlet	G1	G1	G1	G1	G1
HW	hot water outlet	G1	G1	G1	G1	G1
IS1	heat exchanger inlet	G1	G1 1/2	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1	G1 1/2	G1 1/2	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4	G3/4	G3/4	G3/4
T	thermometer	Ø14	Ø14	Ø14	Ø14	Ø14
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA3	magnesium anode 3	-	-	-	-	G1 1/2

TS3 is not available in 200 L model
Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 2x10 S 160 60 HP	TESY EV 2X15 S 200 60 HP	TESY EV 2x15 S 300 65 HP	TESY EV 2x19 S 300 65 HP	TESY EV 2x23 S 500 75 HP
h	mm	1007	1197	1420	1420	1670
a	mm	791	996	1184	1184	1449
c	mm	270	264	278	278	273
d	mm	791	996	1184	1184	1449
f	mm	602	794	1055	953	1162
i	mm	712	919	936	1120	1305
j	mm	207	202	206	206	227
k	mm	207	202	206	206	227
n	mm	289	360	398	398	469
m	mm	499	633	691	691	866
l	mm	699	897	1055	1055	1264
R	mm	1169	1340	1560	1560	1833
ØC	mm	600	600	650	650	750
ØD	mm	500	500	550	550	650

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS **for heat pump systems**

with **two double high output** heat exchangers

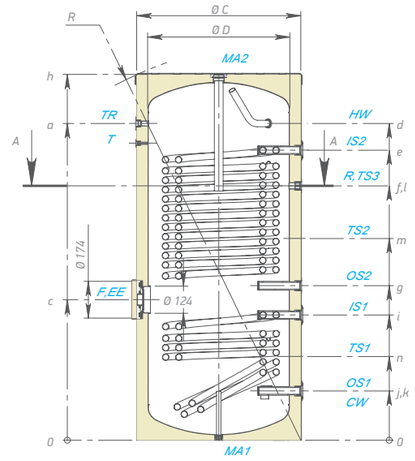
200 L to 500 L

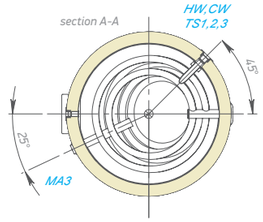


MODELS		TESY EV 2x4 2x9 S2 200 60 HP	TESY EV 2x5 2x12 S2 300 65 HP	TESY EV 2x6 2x13 S2 500 75 HP
Art.number	№	305254	305255	305249
Capacity	L	185	269	459
Net weight	kg	84	122	188
Insulation	mm	50	50	50
Heat exchanger surface S1	**m²**	**0,65**	**1,00**	**1,55**
Heat exchanger capacity S1	L	4,00	6,00	9,30
Heat exchanger surface S2	**m²**	**1,60**	**2,45**	**3,45**
Heat exchanger capacity S2	L	9,50	14,70	21,00
Heat losses ΔT45K	W	59	68	95
Energy efficiency class		B	B	C
Maximum operational temperature	°C	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	14.4 (20.8)	16.6 (25.0)	26.7 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)	28.6 (20.8)	34.0 (25.0)	52.0 (29.2)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	326	461	808
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	203	303	491
Reheat time 10-60°C rate at primary side (S1) Coil 80⁰	min (l/min)	44 (20.8)	54 (25.0)	58 (29.2)
Reheat time 10-60°C rate at primary side (S2) Coil 80⁰	min (l/min)	14 (20.8)	17 (25.0)	18 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 55⁰	kW (l/min)	6.1 (33.3)	7.1 (33.3)	10.6 (33.3)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 55⁰	kW (l/min)	13.4 (33.3)	16.3 (33.3)	22.5 (33.3)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 55⁰	L	253	375	601
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 55⁰	L	158	237	395
Reheat time 10-60°C* rate at primary side (S1) Coil 55⁰	min (l/min)	80 (33.3)	98 (33.3)	109 (33.3)
Reheat time 10-60°C* rate at primary side (S2) Coil 55⁰	min (l/min)	22 (33.3)	27 (33.3)	33 (33.3)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	4.0(20.8) 15.8(33.3)	3.5(25.0) 9.9(33.3)	17.9(29.9) 23.3(33.3)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	10.3(20.8) 26.8(33.3)	12.0(25.0) 24.6(33.3)	24.6(29.2) 32.6(33.3)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks for heat pump systems | with **two double high output** heat exchangers | **200 L to 500 L**



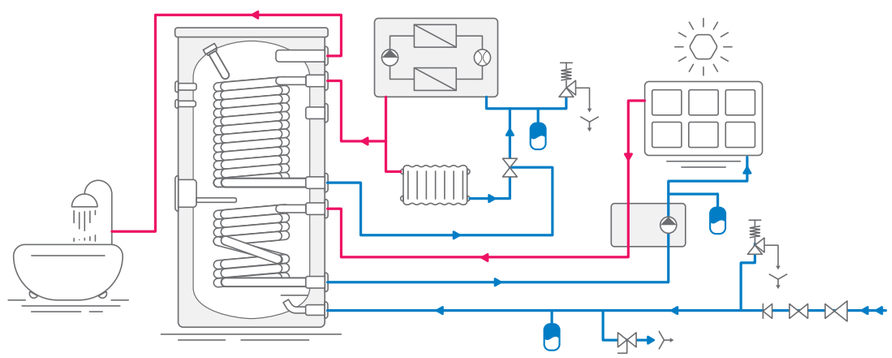


MODELS		TESY EV 2x4 2x9 S2 200 60 HP	TESY EV 2x5 2x12 S2 300 65 HP	TESY EV 2x6 2x13 S2 500 75 HP
CW	cold water inlet	G1	G1	G1
HW	hot water outlet	G1	G1	G1
IS1	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2
OS2	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4	G3/4
T	thermometer	Ø14	Ø14	Ø14
TR	opening for thermoregulator	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	-	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2
MA3	magnesium anode 3	-	-	G1 1/2

TS3 is not available in 200 L model
200 L and 300 L models are with two magnesium anodes
Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 2x4 2x9 S2 200 60 HP	TESY EV 2x5 2x12 S2 300 65 HP	TESY EV 2x6 2x13 S2 500 75 HP
h	mm	1197	1420	1677
a	mm	996	1184	1447
c	mm	483	533	642
d	mm	996	1184	1447
e	mm	966	1150	1325
f	mm	817	1055	1162
g	mm	519	574	706
i	mm	434	485	572
j	mm	202	206	225
k	mm	202	206	225
n	mm	360	398	467
m	mm	817	726	864
l	mm	-	1055	1262
R	mm	1340	1560	1831
ØC	mm	600	650	750
ØD	mm	500	550	650

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS **for heat pump systems**

with **two double high output** heat exchangers

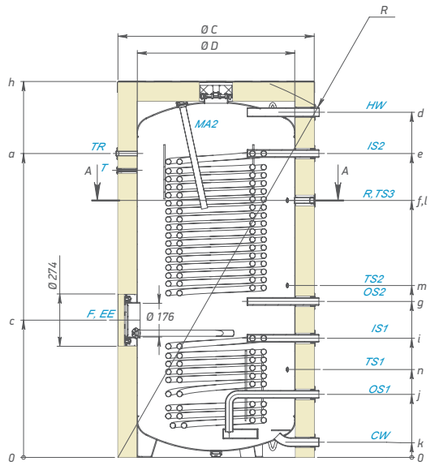
800 L and 1000 L



MODELS		TESY EV 2x9 2x14 S2 800 99 HP DN18 EPS	TESY EV 2x9 2x17 S2 1000 105 HP DN18 EPS
Art.number	№	306823	306824
Capacity	L	741	921
Net weight	kg	295	342
Insulation	mm	100	100
Heat exchanger surface S1	**m²**	**2,50**	**2,50**
Heat exchanger capacity S1	L	14,40	14,40
Heat exchanger surface S2	**m²**	**3,80**	**4,60**
Heat exchanger capacity S2	L	22,70	27,50
Heat losses ΔT45K	W	128	143
Energy efficiency class		C	C
Maximum operational temperature	°C	95	95
Maximum operational temperature of heat exchanger	°C	110	110
Rated pressure	**bar**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80°	kW (l/min)	42.5 (50.0)	51.8 (50.0)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80°	kW (l/min)	56.7 (50.0)	81.6 (50.0)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80°	L	1331	1355
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80°	L	704	785
Reheat time 10-60°C* rate at primary side (S1) Coil 80°	min (l/min)	62 (50.0)	60 (50.0)
Reheat time 10-60°C* rate at primary side (S2) Coil 80°	min (l/min)	25 (50.0)	22 (50.0)
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 55°	kW (l/min)	14.4 (33.3)	15.0 (33.3)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 55°	kW (l/min)	21.4 (33.3)	24.1 (33.3)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 55°	L	1044	1078
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 55°	L	526	670
Reheat time 10-60°C* rate at primary side (S1) Coil 55°	min (l/min)	140 (33.3)	160 (33.3)
Reheat time 10-60°C* rate at primary side (S2) Coil 55°	min (l/min)	50 (33.3)	62 (33.3)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	163.0(50.0) 73.8(33.3)	79.7(50.0) 32.0(33.3)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	181.5(50.0) 87.8(33.3)	104.5(50.0) 43.8(33.3)

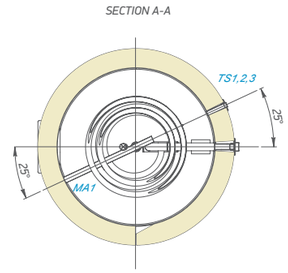
** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks for heat pump systems | with **two double high output** heat exchangers | **800 L and 1000 L**



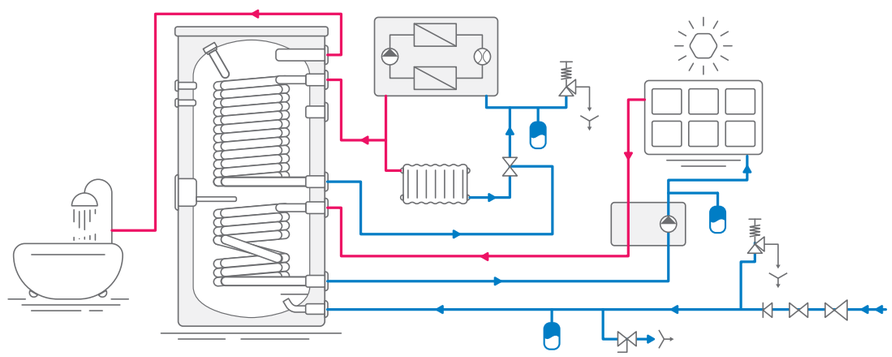
MODELS		TESY EV 2x9 2x14 S2 800 95 HP DN18	TESY EV 2x9 2x17 S2 1000 101 HP DN18
CW	cold water inlet	G1 1/2	G1 1/2
HW	hot water outlet	G1 1/2	G1 1/2
IS1	heat exchanger inlet	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1 1/2	G1 1/2
OS2	heat exchanger outlet	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4
T	thermometer	Ø14	Ø14
TR	opening for thermoregulator	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2
MA1	magnesium anode 1	G1 1/4	G1 1/2
MA2	magnesium anode 2	G1 1/4	G1 1/2

Thread designations according to EN ISO 228-1!



Dimensions ±5mm		TESY EV 2x9 2x14 S2 800 95 HP DN18	TESY EV 2x9 2x17 S2 1000 101 HP DN18
h	mm	1945	2012
a	mm	1591	1626
c	mm	810	734
d	mm	1779	1846
e	mm	1572	1625
f	mm	1272	1374
g	mm	910	834
i	mm	710	637
j	mm	410	337
k	mm	82	82
n	mm	575	470
m	mm	1005	919
l	mm	1435	1374
R	mm	2068	2155
ØC	mm	990	1050
ØD	mm	790	850

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANK FOR HP **WITH ONE DOUBLE HIGH OUTPUT HEAT EXCHANGER AND 45° ANGLED INLETS AND OUTLETS**

ADVANTAGES

8 Bar



TESY developed a new HP range of indirectly heated water tanks with a high output heat exchanger and 45° angled inlets and outlets for **EASY** and **SPACE-SAVING installation.**

Floor-standing indirectly heated water tanks for domestic hot water production with **ONE DOUBLE HEAT EXCHANGER** equipped with an internal collector and large surface. Models are suitable for usage with all types of heat sources and are specially designed for efficient operation with **HEAT PUMP SYSTEMS.**

Suitable for **NEW INSTALLATIONS** and **RENOVATIONS** of existing systems in single or multi-family residential buildings, as well as offices, leisure and industrial premises.

Engineered for mounting in narrow spaces with an **EASY ACCESS** to all openings for maintenance. Wide range of models from **200** to **1000 L**.

- **SPACE SAVING.** Specially developed for narrow spaces, such as small technical rooms, corner areas or under stairs.
- **ONE DOUBLE HIGH OUTPUT HEAT EXCHANGER** for connection to **RENEWABLE ENERGY SOURCES**, such as heat pumps and gas boilers. Also suitable for solar panels and hard fuel boilers.
- High quality **ENAMEL COATING** with **TESY CrystalTech PRO** technology.
- **MAGNESIUM ANODE PROTECTION** of the inner tank for extended product life:
  - **ONE MG⁺** anode for the model 200 L
  - **TWO MG⁺** anodes for the models from 300 L to 1000 L
- **FLANGE** with dedicated fitting **G1 ½** for **INSTALLATION** of electric **HEATING ELEMENTS** with different power ratings.
- **CFC FREE PU FOAM INSULATION** for optimal heat losses for models up to 500 L.
- **TESY ThermoShell modular removable EPS INSULATION** for models 800 L and 1000 L.
- Decreased hydraulic resistance (pressure drop) of the heat exchanger with a larger diameter of the inlet and outlet on **G1 1/2.**
- Thermoregulator installation pocket.
- Pockets for thermo sensors.
- Thermoindicator.

DOMESTIC HOT WATER TANKS FOR HP WITH ONE DOUBLE HIGH OUTPUT HEAT EXCHANGER

and **45° angled inlets and outlets**

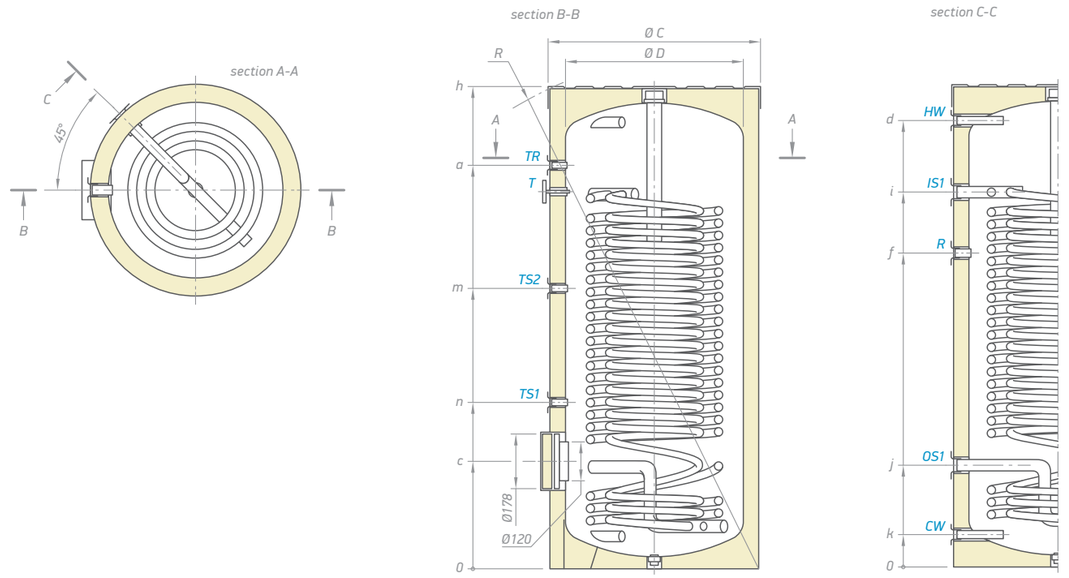
200 L to 1000 L



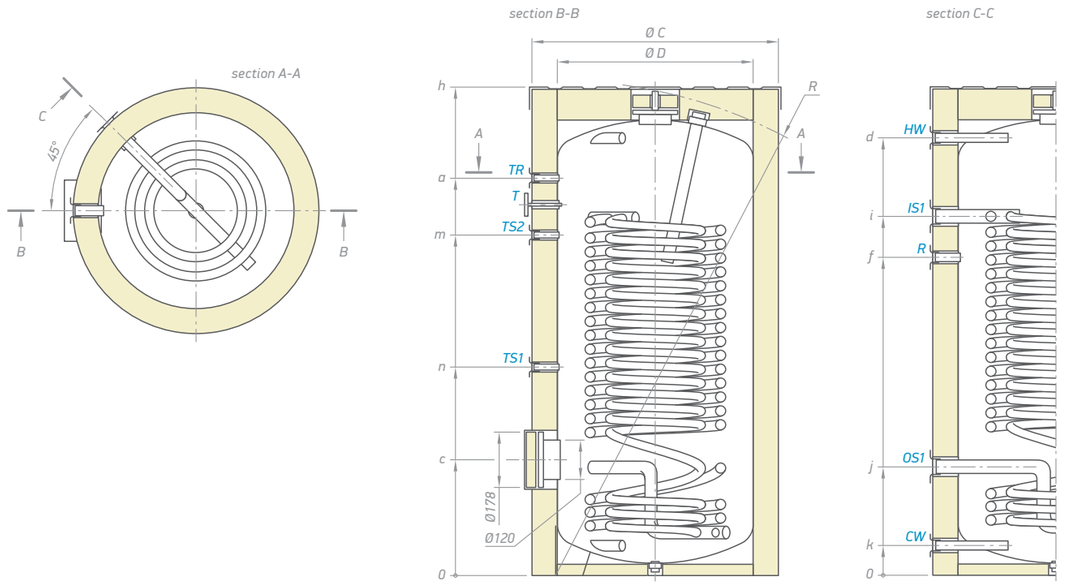
MODELS		TESY EV 2x15 S 200 60 HP 45D	TESY EV 2x19 S 300 65 HP 45D	TESY EV 2x23 S 500 75 HP 45D	TESY EV 2x19 S 800 99 HP 45D EPS	TESY EV 2x18 S 1000 105 HP 45D EPS
Art.number	№	306450	306451	306452	306817	306818
Capacity	L	180	264	443	718	877
Net weight	kg	93	143	212	325	354
Insulation	mm	50	50	50	100	100
Heat exchanger surface S1	**m2**	**2.6**	**3.8**	**5.9**	**7.2**	**7.9**
Heat exchanger capacity S1	L	16.37	22.65	35.7	62.40	67.78
Heat losses ΔT45K	W	60.7	75.2	96.1	122.4	134.3
Energy efficiency class		C	C	C	C	C
Maximum operational temperature	°C	95°	95°	95°	95°	95°
Maximum operational temperature of heat exchanger	°C	110°	110°	110°	110°	110°
Rated pressure	**bar**	**8**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80°	kW (l/min)	37.8 (20.8)	48.8 (25.0)	65.9 (29.2)	95.9 (50.0)	102.4 (50.0)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80°	L	268	389	659	1005	1279
Reheat time 10-60°C rate at primary side (S1) Coil 80°	min (l/min)	13:26 (20.8)	15:19 (25.0)	19:14 (29.2)	22:21 (50.0)	26:04 (50.0)
Coil Pressure drop at flow rate m3/h (S1) Coil 80°	mBar (l/min)	7.1 (20.8)	18.6 (25.0)	34.4 (29.2)	63.8 (50.0)	40.7 (50.0)
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 55°	kW (l/min)	19.5 (33.3)	22.6 (33.3)	30.3 (33.3)	32.1 (33.3)	33.3 (33.3)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 55°	L	216	298	527	833	1049
Reheat time 10-60°C rate at primary side (S1) Coil 55°	min (l/min)	21:21 (33.3)	24:39 (33.3)	33:16 (33.3)	53:17 (33.3)	1:04:08 (33.3)
Coil Pressure drop at flow rate m3/h (S1) Coil 55°	mBar (l/min)	25.6 (33.3)	34.5 (33.3)	47.3 (33.3)	32.8 (33.3)	14.8 (33.3)

Domestic hot water tanks with for HP **with one double high output heat exchanger and 45° angled inlets and outlets | 200 L to 1000 L**

200 L - 500 L



800 L - 1000 L



Domestic hot water tanks with for HP **with one double high output heat exchanger and 45° angled inlets and outlets | 200 L to 1000 L**

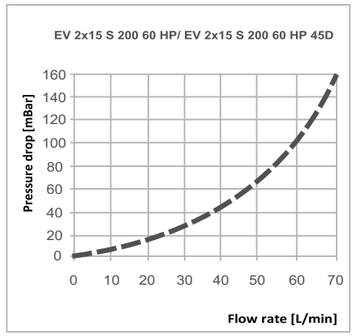
MODELS		TESY EV 2x15 S 200 60 HP 45D	TESY EV 2x19 S 300 65 HP 45D	TESY EV 2x23 S 500 75 HP 45D	TESY EV 2x19 S 800 99 HP 45D	TESY EV 2x18 S 1000 105 HP 45D
CW	cold water inlet	G1	G1	G1	G1 ½	G1 ½
HW	hot water outlet	G1	G1	G1	G1 ½	G1 ½
IS1	heat exchanger inlet	G1 ½	G1 ½	G1 ½	G1 ½	G1 ½
OS1	heat exchanger outlet	G1 ½	G1 ½	G1 ½	G1 ½	G1 ½
R	recirculation	G3/4	G3/4	G3/4	G3/4	G3/4
T	thermometer	Ø14	Ø14	Ø14	Ø14	Ø14
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 ½	G1 ½	G1 ½	G1 ½	G1 ½
MA1	magnesium anode 1	-	G3/4	G3/4	G1 ¼	G1 ¼
MA2	magnesium anode 2	G1 ½	G1 ½	G1 ½	G1 ¼	G1 ¼

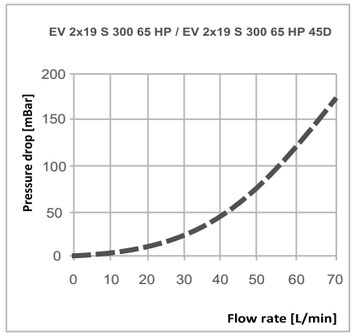
Thread designations according to EN ISO 228-1!

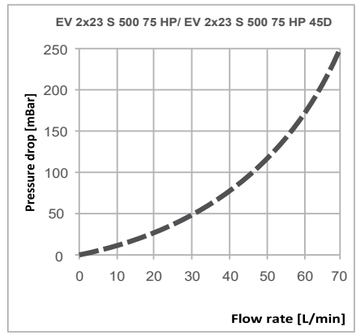
DIMENSIONS ±5mm			TESY EV 2x15 S 200 60 HP 45D	TESY EV 2x19 S 300 65 HP 45D	TESY EV 2x23 S 500 75 HP 45D	TESY EV 2x19 S 800 99 HP 45D	TESY EV 2x18 S 1000 105 HP 45D
h	mm	Heigh	1202	1422	1677	1947	2012
a	mm	opening for thermoregulator	996	1179	1408	1591	1649
m	mm	thermo pocket level 2	797	960	978	1430	1469
c	mm	Flange EE fitting	342	345	383	465	474
d	mm	hot water outlet	1090	1324	1572	1778	1846
i	mm	heat exchanger inlet	964	1135	1313	1439	1413
f	mm	recirculation	772	915	1167	1305	1263
j	mm	heat exchanger outlet	340	345	353	440	508
k	mm	cold water inlet	105	89	88	82	81
n	mm	thermo pocket level 1	525	595	578	840	1017
T	mm	thermometer	906	1089	1322	1501	1559
R	mm	Diagonal	1345	1564	1839	2183	2269
ØC	mm	Diameter with insulation	600	650	750	990	1050
ØD	mm	Diameter water tank	500	550	650	790	850

Domestic hot water tanks with for HP **with one double high output heat exchanger and 45° angled inlets and outlets | Heat exchangers pressure drop | 200 L to 1000 L**

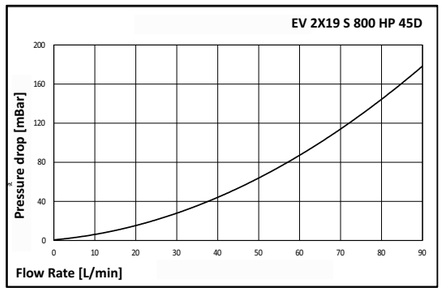
FOR MODELS 200 L - 500 L

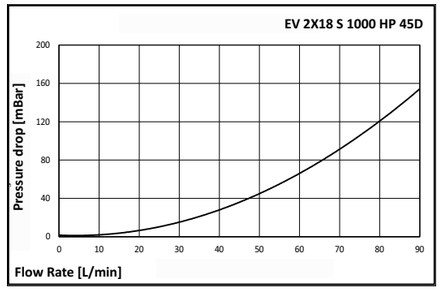




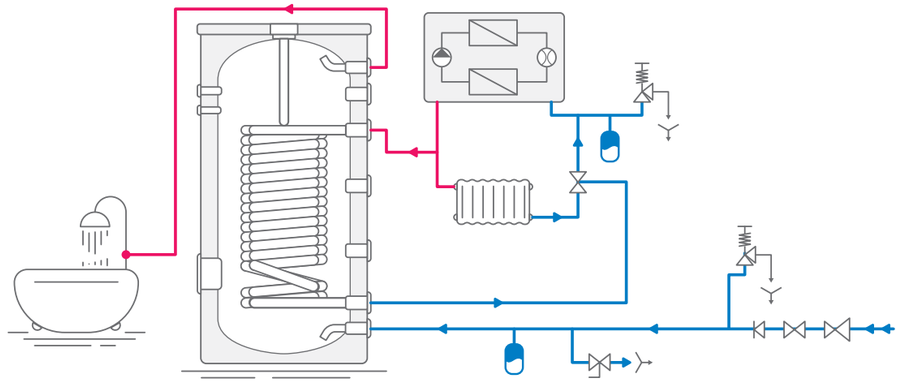


FOR MODELS 800 L - 1000 L





EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS WITH 45° ANGLED INLETS AND OUTLETS

ADVANTAGES

8 Bar



TESY developed a new range of indirectly heated water tanks with 45° angled inlets and outlets for **EASY AND CONVINIENT INSTALLATION**.

Suitable for **NEW INSTALLATIONS** and **RENOVATIONS** of existing systems. Specially designed for mounting in narrow spaces with an EASY ACCESS to all openings for maintenance.

Wide range from **200 L to 2000 L** models of FLOOR-STANDING storage tanks for domestic hot water. Compatible for usage in single and multi-family residential buildings, as well as offices, leisure and industrial premises.

- **SPACE SAVING**. Specially designed for narrow spaces, such as small technical rooms, corner areas or under stairs.
- High quality **ENAMEL COATING** with **TESY CrystalTech PRO** technology.
- **TWO HEAT EXCHANGERS** for connection to **RENEWABLE GREEN ENERGY SOURCES,** such as solar panels or other heat sources.
- **LOW POSITION** of the **BOTTOM HEAT EXCHANGER** to ensure efficient water heating in the cold section of the tank.
- **MAGNESIUM ANODES PROTECTION** of the inner tank surface for extended product life:
  ONE MG+ anode for model 200 L
  TWO MG+ anodes for models from 300 L to 1000 L
  THREE MG+ anodes for models 1500 L and 2000 L
- **CFC free PU foam INSULATION** for optimal heat losses for models up to 500 L.
- **TESY ThermoShell modular removable EPS INSULATION** for models from 800 L to 1000 L.
- **SERVICE OPENING** for easy inspection and maintenance.
- Option for **INSTALLATION** of different power rated **HEATING ELEMENTS**.
- Thermoregulator installation pocket.
- Pockets for thermo sensors.
- Thermoindicator.

DOMESTIC HOT WATER TANKS

with **45° angled inlets and outlets**

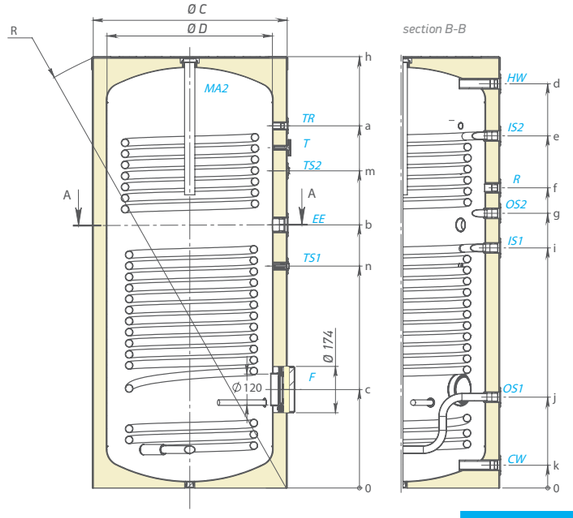
200 L to 500 L

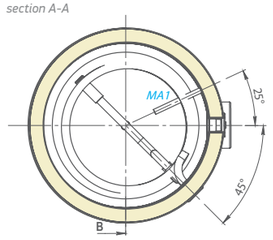


MODELS		TESY EV 7/5 S2 200 60 45D	TESY EV 10/7 S2 300 65 45D	TESY EV 15/7 S2 500 75 45D
Art.number	№	305230	305268	305270
Capacity	L	189	279	464
Net weight	kg	69	104	157
Insulation	mm	50	50	50
Heat exchanger surface S1	**m²**	**0,76**	**1,20**	**2,18**
Heat exchanger capacity S1	L	4,50	7,40	13,70
Heat exchanger surface S2	**m²**	**0,55**	**0,86**	**1,10**
Heat exchanger capacity S2	L	3,20	5,20	6,40
Heat losses ΔT45K	W	59	68	95
Energy efficiency class		B	B	C
Maximum operational temperature	°C	95°	95°	95°
Maximum operational temperature of heat exchanger	°C	110°	110°	110°
Rated pressure	**bar**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	13.5 (21)	21.8 (25)	37.3 (29)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)	10.8 (21)	19.9 (25)	23.3 (29)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	285	380	621
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	128	173	251
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	45.1 (21)	38.4 (25)	36.3 (29)
Reheat time 10-60°C* rate at primary side (S2) Coil 80⁰	min (l/min)	25.3 (21)	19.4 (25)	23.7 (29)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	39.5 (21)	45.4 (25)	151.3 (29)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	23.4 (21)	32.9 (25)	90.2 (29)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks with **45° angled inlets and outlets** | **200 L to 500 L**



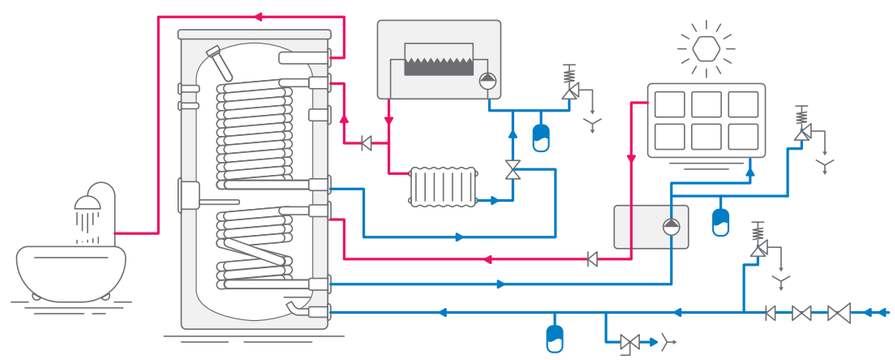


MODELS		TESY EV 7/5 S2 200 60 45D	TESY EV 10/7 S2 300 65 45D	TESY EV 15/7 S2 500 75 45D
CW	cold water inlet	G1	G1	G1
HW	hot water outlet	G1	G1	G1
IS1	heat exchanger inlet	G1	G1	G1
OS1	heat exchanger outlet	G1	G1	G1
IS2	heat exchanger inlet	G1	G1	G1
OS2	heat exchanger outlet	G1	G1	G1
R	recirculation	G3/4	G3/4	G3/4
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	-	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2

200 L model is with one magnesium anode.
Thread designations according to EN ISO 228-1!

Dimensions ±5mm			TESY EV 7/5 S2 200 60 45D	TESY EV 10/7 S2 300 65 45D	TESY EV 15/7 S2 500 75 45D
h	mm	Height	1202	1422	1677
a	mm	TR	980	1179	1408
b	mm	EE	649	786	1023
c	mm	Flange	342	345	383
d	mm	HW	1090	1415	1571
e	mm	IS2	912	1116	1369
f	mm	R	772	915	1167
g	mm	OS2	697	815	1068
i	mm	IS1	587	700	933
j	mm	OS1	339	347	353
k	mm	CW	105	89	89
n	mm	TS1	525	595	863
m	mm	TS2	797	960	1233
R	mm	Diagonal	1340	1565	1838
ØC	mm	Diameter with insulation	600	650	750
ØD	mm	Diameter watertank	500	800	650

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS

with **45° angled inlets and outlets**

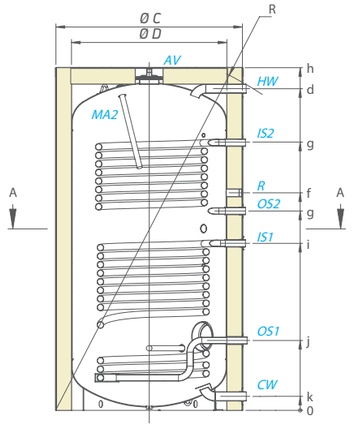
800 L to 2000 L

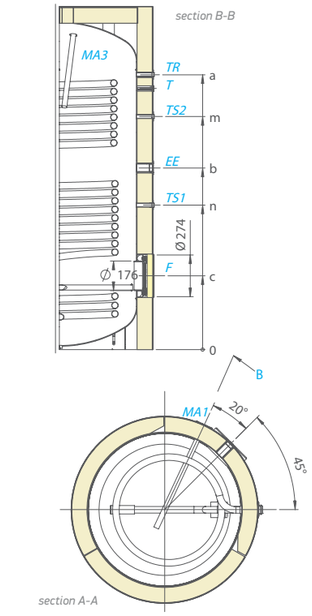


MODELS		TESY EV 12/9 S2 800 99 45D EPS	TESY EV 13/7 S2 1000 105 45D EPS	TESY EV 12/8 S2 1500 120 45D	TESY EV 14/9 S2 2000 130 45D
Art.number	№	306821	306822	305361	305306
Capacity	L	757	932	1414	1822
Net weight	kg	267	310	429	529
Insulation	mm	100	100	100	100
Heat exchanger surface S1	**m²**	**2,68**	**3,28**	**3,43**	**4,50**
Heat exchanger capacity S1	L	23,77	28,80	29,60	41,60
Heat exchanger surface S2	**m²**	**1,45**	**1,28**	**2,30**	**2,75**
Heat exchanger capacity S2	L	8,40	7,90	20,50	25,20
Heat losses ΔT45K	W	128	143	158	183
Energy efficiency class		C	C	C	C
Maximum operational temperature	°C	95°	95°	95°	95°
Maximum operational temperature of heat exchanger	°C	110°	110°	110°	110°
Rated pressure	**bar**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	62.2 (100)	77.2 (50)	94.5 (100)	113.1 (100)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)	40.3 (100)	36.5 (50)	64.8 (100)	77.1 (100)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	1271	1402	Upon request	Upon request
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	496.6	604	Upon request	Upon request
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	48.8 (50)	50 (50)	Upon request	Upon request
Reheat time 10-60°C* rate at primary side (S2) Coil 80⁰	min (l/min)	27.6 (50)	41 (50)	Upon request	Upon request
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	95.0 (50)	83 (50)	Upon request	Upon request
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	168.8 (50)	174 (50)	Upon request	Upon request

**10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks with **45° angled inlets and outlets** | **800 L to 2000 L**



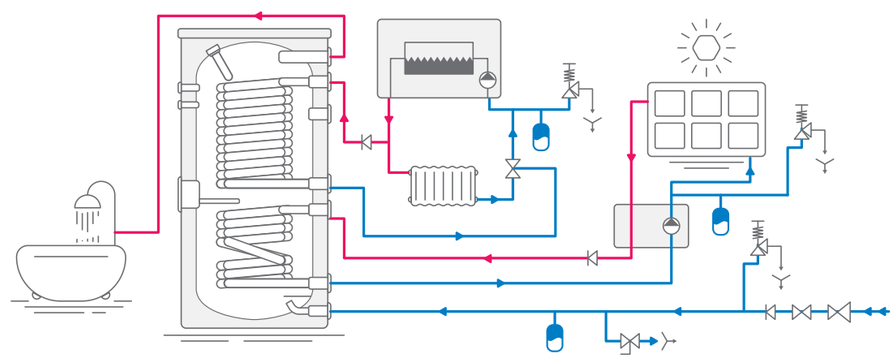


MODELS		TESY EV 12/9 S2 800 99 45D	TESY EV 13/7 S2 1000 105 45D	TESY EV 12/8 S2 1500 120 45D	TESY EV 14/9 S2 2000 130 45D
CW	cold water inlet	G1 1/2	G1 1/2	G2	G2
HW	hot water outlet	G1 1/2	G1 1/2	G2	G2
IS1	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1	G1	G1 1/2	G1 1/2
OS2	heat exchanger outlet	G1	G1	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4	G1 1/2	G1 1/2
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G1 1/4	G1 1/4	G1 1/4	G1 1/4
MA2	magnesium anode 2	G1 1/4	G1 1/4	G1 1/4	G1 1/4
MA3	magnesium anode 3	-	-	G1 1/4	G1 1/4

800 L and 1000 L models are with two magnesium anodes.
Thread designations according to EN ISO 228-1!

Dimensions ±5mm			TESY EV 12/9 S2 800 99 45D	TESY EV 13/7 S2 1000 105 45D	TESY EV 12/8 S2 1500 120 45D	TESY EV 14/9 S2 2000 130 45D
h	mm	Height	1947	2012	2207	2412
a	mm	TR	1591	1649	1770	1918
b	mm	EE	1110	1232	1170	1338
c	mm	Flange	465	474	475	533
d	mm	HW	1779	1846	2070	2246
e	mm	IS2	1567	1564	1723	1903
f	mm	R	1305	1414	1400	1801
g	mm	OS2	1180	1263	1283	1408
i	mm	IS1	1040	1109	1075	1243
j	mm	OS1	440	508	450	463
k	mm	CW	82	82	90	90
n	mm	TS1	840	1017	930	878
m	mm	TS2	1430	1469	1500	1528
R	mm	Diagonal	2182	2269	2512	2740
ØC	mm	Diameter with insulation	990	1050	1200	1300
ØD	mm	Diameter watertank	790	850	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION





8 Bar

DOMESTIC HOT WATER TANKS WITH TWO INTEGRATED / PARALLEL HEAT EXCHANGERS

Floor-standing indirectly heated water tanks with two integrated heat exchangers for production of domestic hot water. Heat exchangers are specially engineered to keep similar heat exchange surface to both of the serpentines.

The range includes models of 200, 300 and 500 L.

Advantages:

- Effectively heating full volume of water with two integrated heat exchangers with large surface.
- **CFC free PU foam INSULATION** for optimal heat losses**.**
- High quality **ENAMEL COATING** with **TESY CrystalTech PRO** technology.
- **MAGNESIUM ANODES PROTECTION** of the inner tank surface for extended product life.
- Option for **INSTALLATION** of different power rated **HEATING ELEMENTS.**
- **SERVICE OPENING** for easy cleaning and maintenance.
- Recirculation opening.

DOMESTIC HOT WATER TANKS

with **two integrated / parallel heat exchangers**

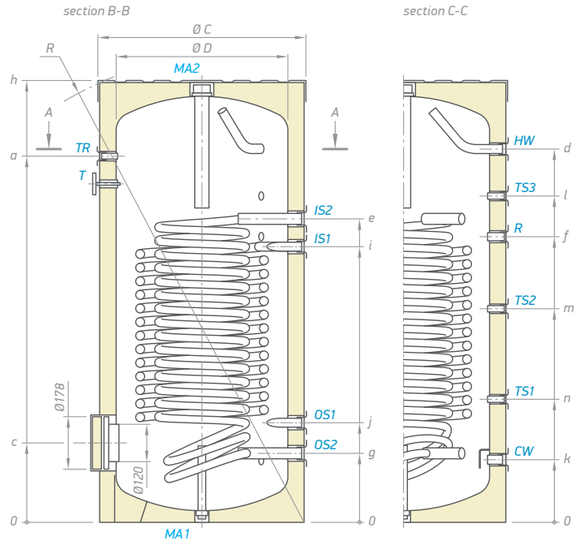
200 L to 500 L



MODELS		TESY EV 9S+13S 200 60	TESY EV 13S+17S 300 65	TESY EV 12S+17S 500 75
Art.number	№	304998	304892	304996
Capacity	L	187	275	462
Net weight	kg	76	114	164
Insulation	mm	50	50	50
Heat exchanger surface S1	**m²**	**0,95**	**1,55**	**1,80**
Heat exchanger capacity S1	L	5,80	9,50	11,00
Heat exchanger surface S2	**m²**	**0,92**	**1,45**	**1,95**
Heat exchanger capacity S2	L	5,60	8,80	11,50
Heat losses ΔT45K	W	59	68	95
Energy efficiency class		B	B	C
Maximum operational temperature	°C	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	20.3 (20.8)	31.1 (25.0)	33.6 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)	20.1 (20.8)	29.5 (25.0)	38.7 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S1+S2) Coil 80⁰	kW (l/min)	30.4 (20.8)	42.6 (25.0)	49.6 (29.2)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	265	382	691
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	288	405	715
V40 -hot water delivered with a temperature of at least 40 °C (S1+S2) Coil 80⁰	L	288	417	724
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	26 (20.8)	26 (25.0)	41 (29.2)
Reheat time 10-60°C* rate at primary side (S2) Coil 80⁰	min (l/min)	29 (20.8)	29 (25.0)	37 (29.2)
Reheat time 10-60°C* rate at primary side (S1+S2) Coil 80⁰	min (l/min)	19 (20.8)	20 (25.0)	29 (29.2)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	43.3 (20.8)	73.3 (25.0)	116.7 (29.2)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	45.4 (20.8)	67.9 (25.0)	141.0 (29.2)
Coil Pressure drop at flow rate m³/h (S1+S2)	mBar (l/min)	49.8 (20.8)	71.0 (25.0)	101.6 (29.2)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks | with **two integrated / parallel heat exchangers** | **200 L to 500 L**

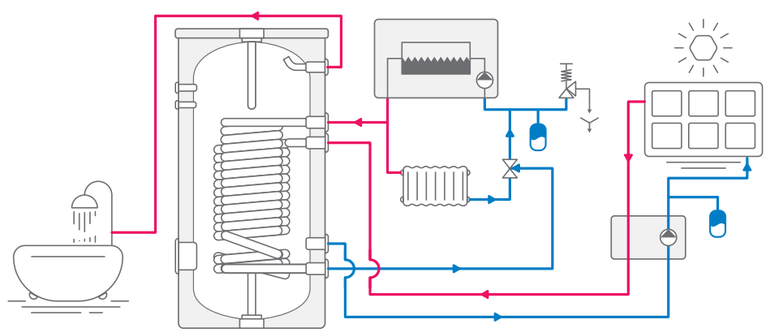


MODELS		TESY EV 9S+13S 200 60	TESY EV 13S+17S 300 65	TESY EV 12S+17S 500 75
CW	cold water inlet	G1	G1	G1
HW	hot water outlet	G1	G1	G1
IS1	heat exchanger inlet	G1	G1	G1
OS1	heat exchanger outlet	G1	G1	G1
IS2	heat exchanger inlet	G1	G1	G1
OS2	heat exchanger outlet	G1	G1	G1
R	recirculation	G3/4	G3/4	G3/4
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 9S+13S 200 60	TESY EV 13S+17S 300 65	TESY EV 12S+17S 500 75
h	mm	1202	1422	1670
a	mm	996	1184	1447
c	mm	274	272	282
d	mm	996	1208	1447
e	mm	803	963	866
f	mm	781	923	1062
g	mm	204	203	350
i	mm	697	866	990
j	mm	310	307	225
k	mm	202	203	225
n	mm	360	398	467
m	mm	633	961	864
l	mm	897	1055	1262
R	mm	1340	1560	1835
ØC	mm	600	650	750
ØD	mm	500	550	650

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS **WITH ONE HEAT EXCHANGER, WITH TWO HEAT EXCHANGERS**

CLASS B

CLASS C

ADVANTAGES

8 Bar



DOMESTIC HOT WATER TANKS WITHOUT, WITH ONE HEAT EXCHANGER, WITH TWO HEAT EXCHANGERS

A wide range of floor-standaing indirectly heated water tanks for domestic hot water production, suitable for installation in single and multi-family residential buildings as well as for commercial application.

The range includes models from 160 L to 2000 L with energy efficiency class B or C:

- with one heat exchanger
- with two heat exchangers
- without heat exchanger with two inlets and two outlets

Advantages:

- **INSULATION** compliant with latest industry regulations – ERP Class B and C
- High quality ENAMEL COATING CrystalTech PRO
- **MAGNESIUM ANODES PROTECTION** of the inner tank surface for extended product life:
  - **TWO MG+** anodes for models from 160 L to 1000 L
  - **THREE MG+** anodes for models 1500 L and 2000 L
- SERVICE OPENING for easy inspection and maintenance.
- Option for **INSTALLATION** of different power rated **HEATING ELEMENTS**.
- Thermoregulator installation pocket.
- Pockets for thermo sensors.

DOMESTIC HOT WATER TANKS

without **heat exchangers** with **2 inlets and 2 outlets**

200 L to 500 L

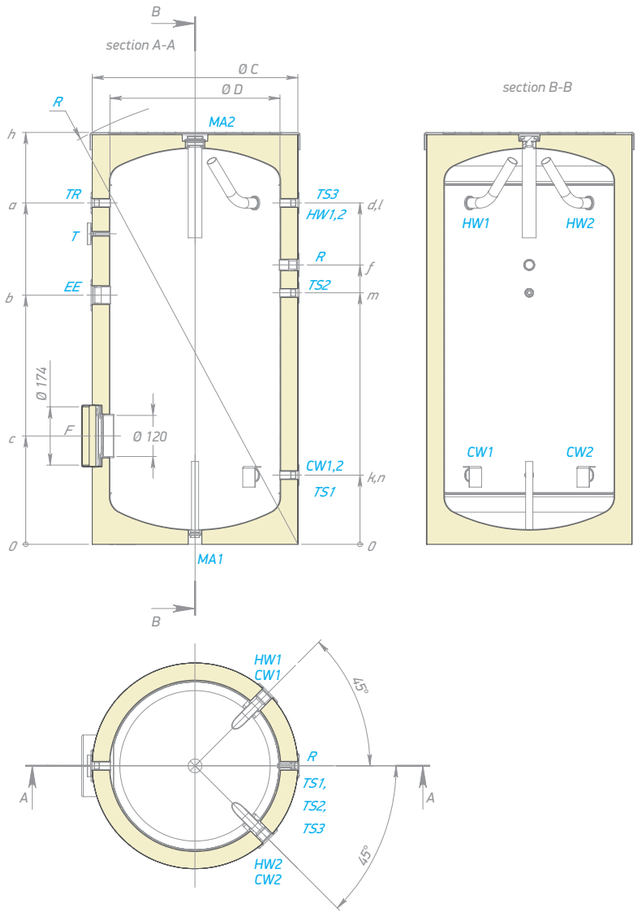
CLASS **B**

CLASS **C**



MODEL		TESY EV 200 60 B	TESY EV 300 65 B	TESY EV 500 75 B
Art.number	№	305599	305600	305601
Capacity	L	200	300	500
Real Volume	L	202	294	497
Net weight	kg	50	73	110
Insulation	mm	50	50	50
Heat losses ΔT45K	W	59	68	95
Energy efficiency class		B	B	C
Maximum operational temperature	°C	95	95	95
Rated pressure	**bar**	**8**	**8**	**8**

Domestic hot water tanks | without **heat exchangers with 2 inlets and 2 outlets | 200 L and 500 L**

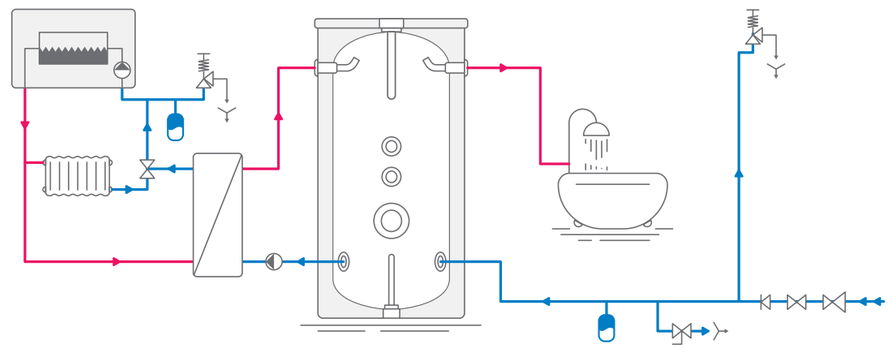


MODELS		TESY EV 200 60 B	TESY EV 300 65 B	TESY EV 500 75 B
R	recirculation	G3/4	G3/4	G3/4
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
L1	level 1	G1	G1	G1
L2	level 2	G1	G1	G1
MA1	magnesium anode 1	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 200 60 B	TESY EV 300 65 B	TESY EV 500 75 B
h	mm	1202	1422	1677
a	mm	996	1209	1450
b	mm	727	858	997
c	mm	316	316	326
d	mm	996	1209	1449
f	mm	815	987	1215
k	mm	202	205	215
n	mm	202	205	215
m	mm	734	907	1142
l	mm	996	1209	1449
R	mm	1343	1565	1835
ØC	mm	600	650	750
ØD	mm	500	550	650

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS

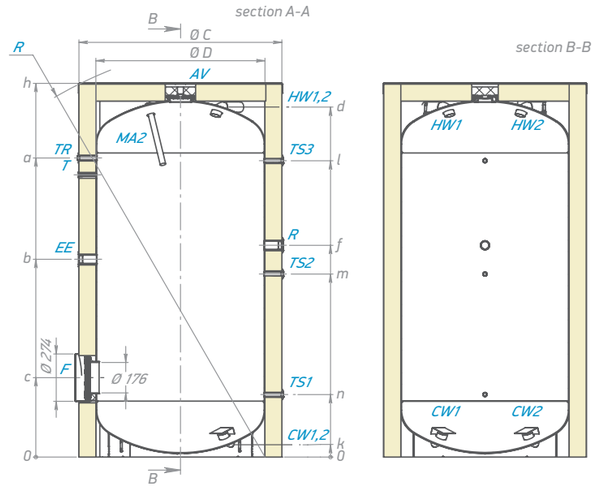
without **heat exchangers** with **2 inlets and 2 outlets**

800 L and 1000 L

CLASS C



Domestic hot water tanks | without **heat exchangers with 2 inlets and 2 outlets | 800 L and 1000 L**



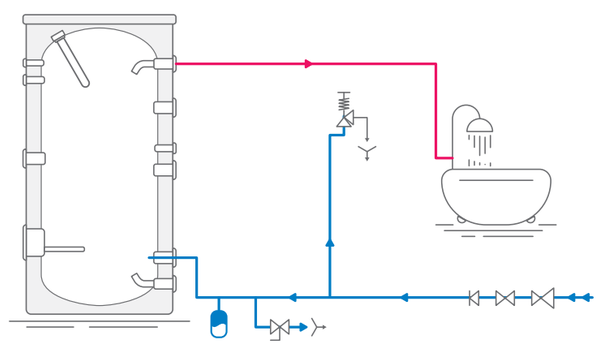
MODELS		TESY EV 800 99 B DN18	TESY EV 1000 105 B DN18
R	recirculation	G3/4	G3/4
T	thermometer	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2
L1	level 1	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 800 99 B DN18	TESY EV 1000 105 B DN18
h	mm	1947	2012
a	mm	1591	1656
b	mm	1050	1132
c	mm	350	354
d	mm	1560	1635
f	mm	1272	1274
k	mm	282	284
l	mm	268	272
m	mm	1172	1174
n	mm	1591	1656
R	mm	2183	1998
Ø C	mm	990	1050
Ø D	mm	790	850

MODEL		TESY EV 800 99 B DN18 EPS	TESY EV 1000 105 B DN18 EPS
Art.number	№	306813	306814
Capacity	L	800	1000
Real Volume	L	796	974
Net weight	kg	200	238
Insulation	mm	100	100
Heat losses ΔT45K	W	128	143
Energy efficiency class		C	C
Maximum operational temperature	°C	95	95
Rated pressure	**bar**	**8**	**8**

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS

without **heat exchangers** with **2 inlets and 2 outlets**

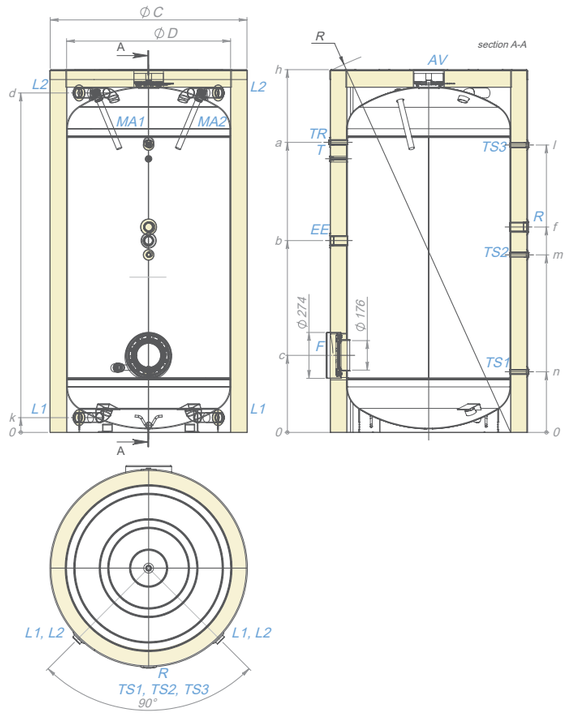
1500 L and 2000 L

CLASS C



MODEL		TESY EV 1500 120 B DN18	TESY EV 2000 130 B DN18
Art.number	№	305439	305445
Capacity	L	1500	2000
Real Volume	L	1475	1904
Net weight	kg	340	404
Insulation	mm	100	100
Heat losses ΔT45K	W	158	183
Energy efficiency class		C	C
Maximum operational temperature	°C	95	95
Rated pressure	**bar**	**8**	**8**

Domestic hot water tanks | without **heat exchangers with 2 inlets and 2 outlets | 1500 L and 2000 L**

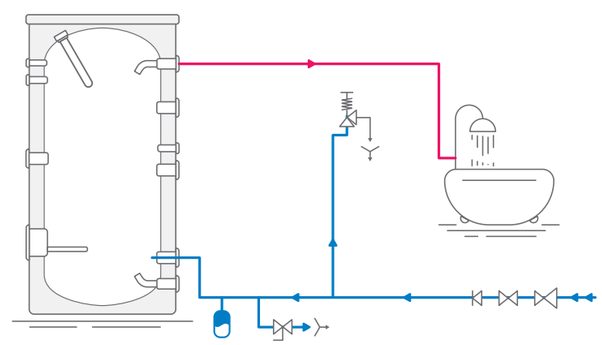


MODELS		TESY EV 1500 120 B DN18	TESY EV 2000 130 B DN18
R	recirculation	G1 1/2	G1 1/2
T	thermometer	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2
L1	Level 1	G2	G2
L2	Level 2	G2	G2
MA1	magnesium anode 1	G1 1/4	G1 1/4
MA2	magnesium anode 2	G1 1/4	G1 1/4
MA3	magnesium anode 3	G1 1/4	G1 1/4

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 1500 120 B DN18	TESY EV 2000 130 B DN18
h	mm	2212	2412
a	mm	1770	1918
b	mm	1170	1298
c	mm	470	488
d	mm	2070	2246
f	mm	1252	1360
k	mm	90	90
n	mm	370	387
m	mm	1082	1131
l	mm	1752	1905
R	mm	2380	2584
ØC	mm	1200	1300
ØD	mm	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS

with **one heat exchanger**

160 L to 500 L

CLASS B

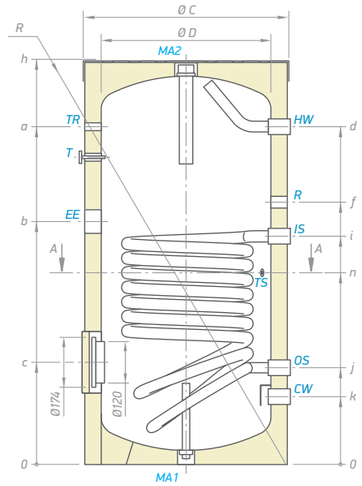
CLASS C

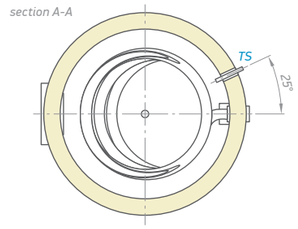


MODEL		TESY EV 9 S 160 60	TESY EV 9 S 200 60	TESY EV 12 S 300 65	TESY EV 11 S 400 75	TESY EV 15 S 500 75
Art.number	№	301408	301409	301394	301392	301395
Capacity	L	155	195	283	394	480
Net weight	kg	56	62	91	117	139
Insulation	mm	50	50	50	50	50
Heat exchanger surface S1	**m²**	**0,96**	**0,96**	**1,45**	**1,65**	**2,25**
Heat exchanger capacity S1	L	5,80	5,80	8,80	10,00	13,70
Heat losses ΔT45K	W	51	59	68	91	95
Energy efficiency class		B	B	B	C	C
Maximum operational temperature	°C	95	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	20.3 (16.6)	24.0 (20.8)	30 (25.0)	34.5 (29.2)	44.5 (29.2)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	203	346	435	597	685
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	20.8 (16.6)	29 (20.8)	30 (25.0)	35 (29.2)	33 (29.2)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	14.5 (16.6)	31.0 (20.8)	62 (25.0)	114.4 (29.2)	103.2 (29.2)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks | with **one heat exchanger** | **160 L to 500 L**



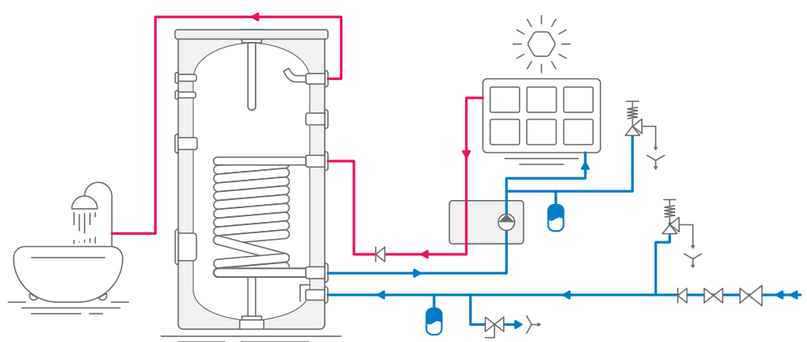


MODELS		TESY EV 9 S 160 60	TESY EV 9 S 200 60	TESY EV 12 S 300 65	TESY EV 11 S 400 75	TESY EV 15 S 500 75
CW	cold water inlet	G1	G1	G1	G1	G1
HW	hot water outlet	G1	G1	G1	G1	G1
IS1	heat exchanger inlet	G1	G1	G1	G1	G1
OS1	heat exchanger outlet	G1	G1	G1	G1	G1
R	recirculation	G3/4	G3/4	G3/4	G3/4	G3/4
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 9 S 160 60	TESY EV 9 S 200 60	TESY EV 12 S 300 65	TESY EV 11 S 400 75	TESY EV 15 S 500 75
h	mm	1007	1202	1422	1407	1677
a	mm	788	996	1209	1158	1450
b	mm	316	727	858	815	998
c	mm	316	316	316	333	326
d	mm	788	996	1209	1158	1448
f	mm	600	774	1009	945	1201
i	mm	674	674	804	775	946
j	mm	289	287	288	303	301
k	mm	202	202	205	222	215
n	mm	362	566	654	425	752
R	mm	1175	1343	1565	1596	1835
ØC	mm	600	600	650	750	750
ØD	mm	500	500	550	650	650

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANK

with **one heat exchanger**

800 L to 2000 L

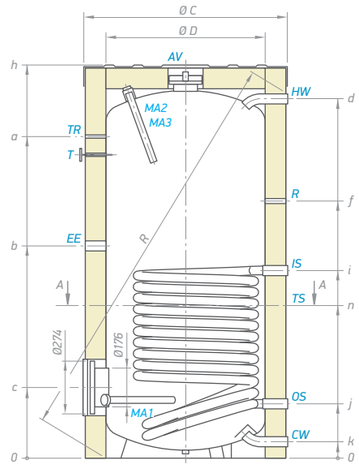
CLASS C

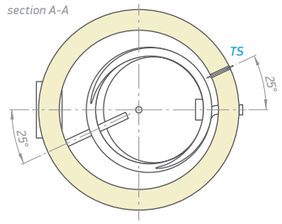


MODEL		TESY EV 12 S 800 99 DN18 EPS	TESY EV 13 S 1000 105 DN18 EPS	TESY EV 12 S 1500 120 DN18	TESY EV 15 S 2000 130 DN18
Art.number	№	306815	306816	305427	305435
Capacity	L	768	939	1439	1853
Net weight	kg	244	281	389	480
Insulation	mm	100	100	100	100
Heat exchanger surface S1	**m²**	**2,89**	**3,30**	**3,45**	**4,50**
Heat exchanger capacity S1	L	26,20	31,30	30,40	41,60
Heat losses ΔT45K	W	128	143	158	183
Energy efficiency class		C	C	C	C
Maximum operational temperature	°C	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	50.8 (50.0)	61.0 (50.0)	Upon request	Upon request
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	1095	1403	Upon request	Upon request
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	49 (50.0)	50 (50.0)	Upon request	Upon request
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	69.0 (50.0)	82.6 (50.0)	Upon request	Upon request

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks | with **one heat exchanger** | **800 L to 2000 L**



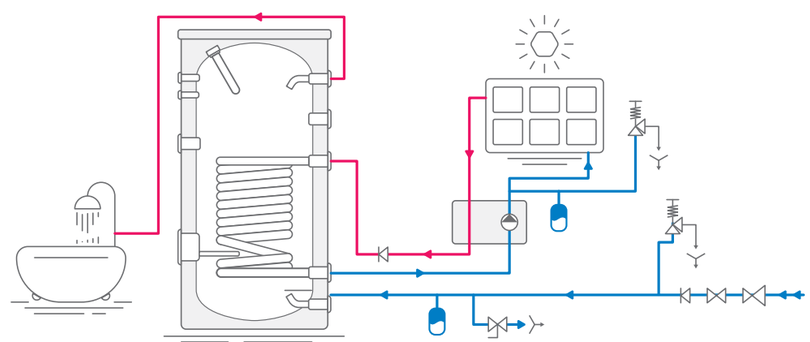


MODELS		TESY EV 12 S 800 99 DN18	TESY EV 13 S 1000 105 DN18	TESY EV 12 S 1500 120 DN18	TESY EV 15 S 2000 130 DN18
CW	cold water inlet	G1 1/2	G1 1/2	G2	G2
HW	hot water outlet	G1 1/2	G1 1/2	G2	G2
IS1	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4	G1 1/2	G1 1/2
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G1 1/4	G1 1/4	G1 1/4	G1 1/4
MA2	magnesium anode 2	G1 1/4	G1 1/4	G1 1/4	G1 1/4
MA3	magnesium anode 3	-	-	G1 1/4	G1 1/4

800 L and 1000 L models are with two magnesium anodes.
Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 12 S 800 99 DN18	TESY EV 13 S 1000 105 DN18	TESY EV 12 S 1500 120 DN18	TESY EV 15 S 2000 130 DN18
h	mm	1947	2012	2212	2407
a	mm	1591	1475	1770	1918
b	mm	1050	1132	1170	1298
c	mm	350	354	470	488
d	mm	1779	1846	2070	2246
f	mm	1272	1274	1380	1551
i	mm	928	987	1083	1235
j	mm	268	272	423	411
k	mm	82	81	90	90
n	mm	755	817	580	578
R	mm	2068	2109	2380	2584
ØC	mm	990	1050	1200	1300
ØD	mm	790	850	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION



DOMESTIC HOT WATER TANKS

with **two heat exchangers**

160 L to 500 L

CLASS B

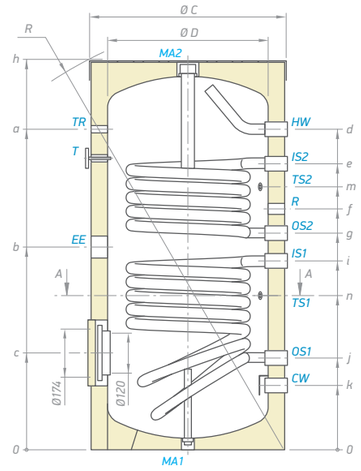
CLASS C

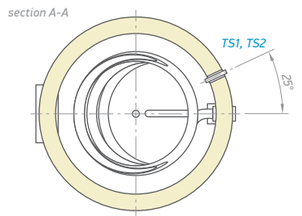


MODEL		TESY EV 6/4 S2 160 60	TESY EV 7/5 S2 200 60	TESY EV 10/7 S2 300 65	TESY EV 11/5 S2 400 75	TESY EV 15/7 S2 500 75
Art.number	№	302165	301407	301391	301393	301396
Capacity	L	154	192	279	388	472
Net weight	kg	56	68	99	125	154
Insulation	mm	50	50	50	50	50
Heat exchanger surface S1	**m²**	**0,61**	**0,75**	**1,21**	**1,65**	**2,25**
Heat exchanger capacity S1	L	3,60	4,60	7,40	10,00	13,70
Heat exchanger surface S2	**m²**	**0,43**	**0,54**	**0,85**	**0,76**	**1,06**
Heat exchanger capacity S2	L	2,60	3,30	5,20	4,60	6,40
Heat losses ΔT45K	W	51	59	68	91	95
Energy efficiency class		B	B	B	C	C
Maximum operational temperature	°C	95	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	12.7 (16.6)	15.3 (20.8)	25.6 (24.0)	33.9 (29.2)	43.6 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)*	8.9 (16.6)	11.7 (20.8)	19.7 (24.0)	17.7 (29.2)	24.9 (29.2)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	239	280	471	583	678
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	106	136	207	258	294
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	41 (16.6)	40 (20.8)	35 (24.0)	35 (29.2)	33 (29.2)
Reheat time 10-60°C* rate at primary side (S2) Coil 80⁰	min (l/min)	25 (16.6)	25 (20.8)	21 (24.0)	39 (29.2)	25 (29.2)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	22.6 (16.6)	24.6 (20.8)	35.4 (24.0)	105.7 (29.2)	109.4 (29.2)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	10.6 (16.6)	25.3 (20.8)	39.2 (24.0)	65.1 (29.2)	49.8 (29.2)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks | with **two heat exchangers** | **160 L to 500 L**



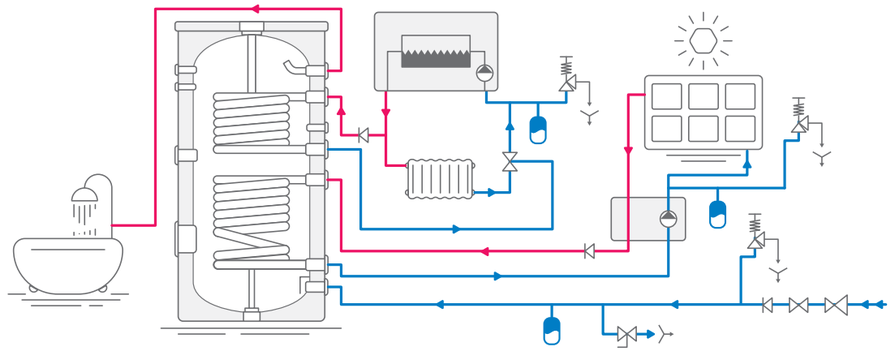


MODELS		TESY EV 6/4 S2 160 60	TESY EV 7/5 S2 200 60	TESY EV 10/7 S2 300 65	TESY EV 11/5 S2 400 75	TESY EV 15/7 S2 500 75
CW	cold water inlet	G1	G1	G1	G1	G1
HW	hot water outlet	G1	G1	G1	G1	G1
IS1	heat exchanger inlet	G1	G1	G1	G1	G1
OS1	heat exchanger outlet	G1	G1	G1	G1	G1
IS2	heat exchanger inlet	G1	G1	G1	G1	G1
OS2	heat exchanger outlet	G1	G1	G1	G1	G1
R	recirculation	G3/4	G3/4	G3/4	G3/4	G3/4
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 6/4 S2 160 60	TESY EV 7/5 S2 200 60	TESY EV 10/7 S2 300 65	TESY EV 11/5 S2 400 75	TESY EV 15/7 S2 500 75
h	mm	1007	1202	1422	1407	1677
a	mm	741	952	1209	1158	1450
b	mm	519	639	772	815	998
c	mm	279	315	316	333	326
d	mm	887	1090	1209	1158	1450
e	mm	741	887	1106	1073	945
f	mm	649	747	905	945	1167
g	mm	569	672	803	858	300
i	mm	475	586	718	775	1332
j	mm	204	287	288	303	1030
k	mm	204	105	205	222	215
n	mm	349	479	612	425	752
m	mm	649	816	998	1000	1267
R	mm	1171	1343	1565	1596	1835
ØC	mm	600	600	650	750	750
ØD	mm	500	500	550	650	650

EXAMPLE OF INSTALLATION AND CONNECTION

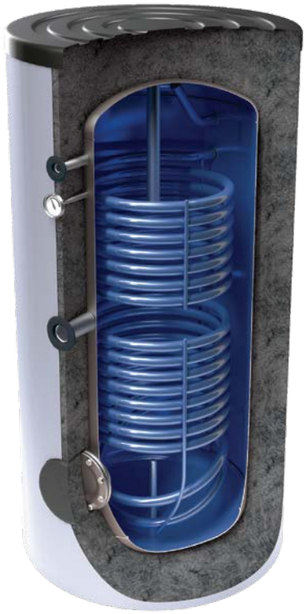


DOMESTIC HOT WATER TANKS

with **two heat exchangers**

800 L to 2000 L

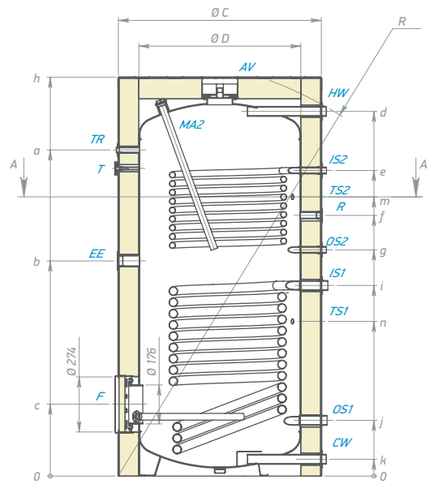
CLASS C



MODEL		TESY EV 12/9 S2 800 99 DN18 EPS	TESY EV 13/7 S2 1000 105 DN18 EPS	TESY EV 12/8 S2 1500 120 DN18	TESY EV 15/9 S2 2000 130 DN18
Art.number	№	306819	306820	305417	305431
Capacity	L	757	932	1414	1822
Net weight	kg	266	297	430	523
Insulation	mm	100	100	100	100
Heat exchanger surface S1	**m²**	**2,89**	**3,45**	**3,30**	**4,50**
Heat exchanger capacity S1	L	26,20	31,30	30,40	41,60
Heat exchanger surface S2	**m²**	**1,54**	**1,31**	**2,30**	**2,75**
Heat exchanger capacity S2	L	9,40	7,90	20,50	25,20
Heat losses ΔT45K	W	128	143	158	183
Energy efficiency class		C	C	C	C
Maximum operational temperature	°C	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	50.8 (50.0)	61.0 (50.0)	94.5 (100)	113 (100)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)	31.6 (50.0)	32.4 (50.0)	64.8 (100)	77.1 (100)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	1095	1403	1934	2785
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	447	604	714	940
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	49 (50.0)	50 (50.0)	45 (100)	57 (100)
Reheat time 10-60°C* rate at primary side (S2) Coil 80⁰	min (l/min)	32 (50.0)	40 (50.0)	30 (100)	35 (100)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	69 (50.0)	82.6 (50.0)	222 (100)	295 (100)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	119.6 (50.0)	174.3 (50.0)	172 (100)	190 (100)

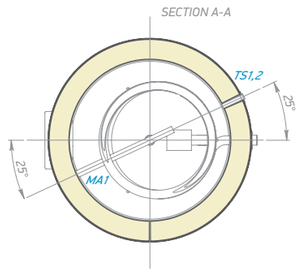
** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks | with **two heat exchangers** | **800 L to 2000 L**



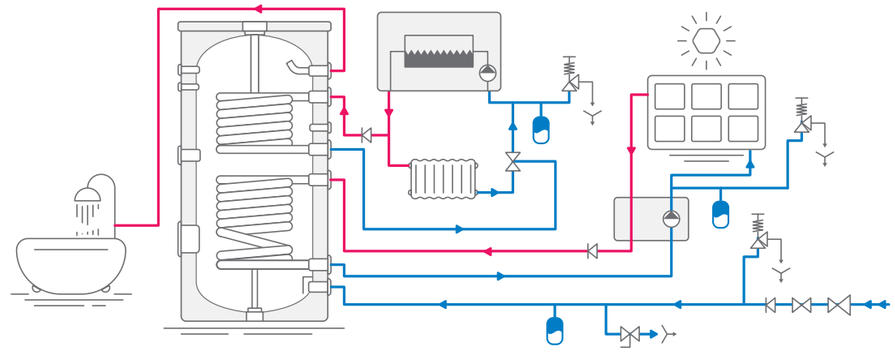
MODELS		TESY EV 12/9 S2 800 99 DN18	TESY EV 13/7 S2 1000 105 DN18	TESY EV 12/8 S2 1500 120 DN18	TESY EV 15/9 S2 2000 130 DN18
CW	cold water inlet	G1 1/2	G1 1/2	G2	G2
HW	hot water outlet	G1 1/2	G1 1/2	G2	G2
IS1	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1	G1	G1 1/2	G1 1/2
OS2	heat exchanger outlet	G1	G1	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4	G1 1/2	G1 1/2
T	thermometer	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5	Ø 14x1.5
TR	opening for thermoregulator	G1/2	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G1 1/4	G1 1/4	G1 1/4	G1 1/4
MA2	magnesium anode 2	G1 1/4	G1 1/4	G1 1/4	G1 1/4
MA3	magnesium anode 3	-	-	G1 1/4	G1 1/4

Thread designations according to EN ISO 228-1!



Dimensions ±5mm		TESY EV 12/9 S2 800 99 DN18	TESY EV 13/7 S2 1000 105 DN18	TESY EV 12/8 S2 1500 120 DN18	TESY EV 15/9 S2 2000 130 DN18
h	mm	1947	2012	2212	2412
a	mm	1591	1475	1770	1918
b	mm	1050	1132	1170	1298
c	mm	350	354	470	488
d	mm	1779	1846	2070	2246
e	mm	1491	1475	1693	1866
f	mm	1272	1274	1380	1551
g	mm	1104	1174	1253	1371
i	mm	930	987	1083	1235
j	mm	270	272	423	411
k	mm	82	81	90	90
n	mm	755	817	580	578
m	mm	1362	1374	1330	1528
R	mm	2020	2108	2380	2584
ØC	mm	990	1050	1200	1300
ØD	mm	790	850	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION







8 Bar

DOMESTIC HOT WATER TANKS FOR INSTALLATION UNDER WALL-HUNG BOILERS

Floor-standing indirectly heated water tanks with compact external dimensions, increased surface of the internal heat exchanger and conveniently located sockets for easy connection.

The range includes models with 120L and 160L of capacity with a heat exchanger.

Advantages:

- Compact overall dimensions, suitable for installation under wall-hung boilers, such as gas, electric or other.
- Convenient placement of the outlets in a semicircle above the top cover for installation under a gas boiler.
- Possibility to work with a plug-and-play electric heating element (3 kW) as a back up.
- PU insulation, developed to keep the water hot for a longer period of time and to help reduce heat losses.
- Drainage outlet.
- Powerful heat exchanger.
- Energy efficient appliance in compliance with the European regulations (Class A for 120 l model).

DOMESTIC HOT WATER TANKS for installation under wall-hung boiler

with **one heat exchanger**

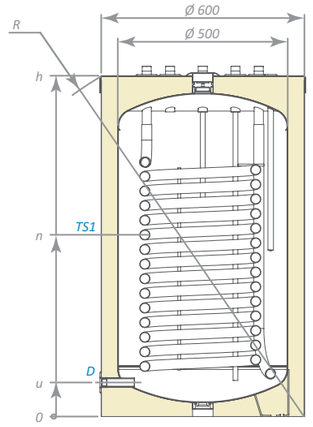
120 L and 160 L



MODEL		TESY EV 10S 120 60 Z W	TESY EV 15S 160 60 Z W
Art.number	№	304969	305077
Capacity	L	114	150
Net weight	kg	53	64
Insulation	mm	50	50
Heat exchanger surface S1	**m²**	**1,00**	**1,52**
Heat exchanger capacity S1	L	6,20	9,50
Heat losses ΔT45K	W	35	46
Energy efficiency class		A	B
Maximum operational temperature	°C	95	95
Maximum operational temperature of heat exchanger	°C	110	110
Rated pressure	**bar**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	17.2 (16.6)	25.1 (16.6)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	176	231
Reheat time 10-60°C* rate at primary side (S1) Coil 80⁰	min (l/min)	20 (16.6)	19 (16.6)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	32.9 (16.6)	58.2 (16.6)

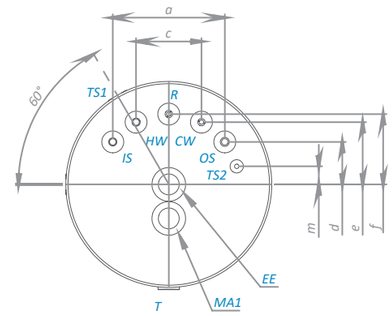
** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks for installation under wall-hung boiler | with **one heat exchanger** | **120 L and 160 L**



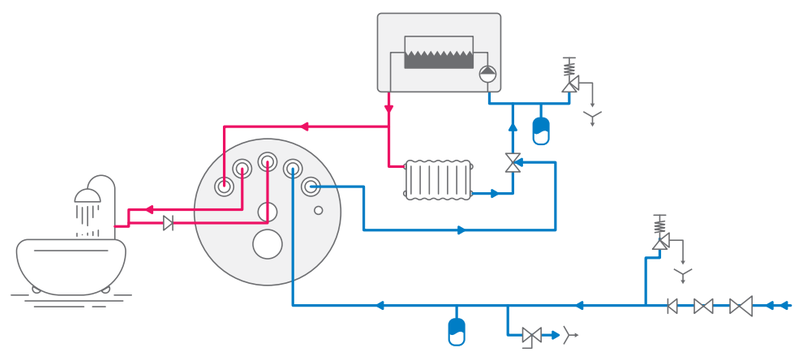
MODELS		TESY EV 10S 120 60 Z W	TESY EV 15S 160 60 Z W
CW	cold water inlet	G3/4B	G3/4B
HW	hot water outlet	G3/4B	G3/4B
IS1	heat exchanger inlet	G3/4B	G3/4B
OS1	heat exchanger outlet	G3/4B	G3/4B
R	recirculation	G3/4B	G3/4B
T	thermometer	Ø14	Ø14
TR	opening for thermoregulator	G1/2	G1/2
TS1	thermo pocket level 1	10x1.5	10x1.5
TS2	thermo pocket level 2	16x1.5	16x1.5
D	drainage	G1/2	G 1/2
EE	opening for electric element	G1 1/2	G1 1/2
MA1	magnesium anode 1	G1 1/4"	G1 1/4"

Thread designations according to EN ISO 228-1!



Dimensions ±5mm		TESY EV 10S 120 60 Z W	TESY EV 15S 160 60 Z W
h	mm	797	1007
a	mm	400	330
c	mm	192	192
d	mm	125	126
e	mm	183	183
f	mm	207	206
n	mm	350	530
m	mm	53	54
u	mm	100	100
R	mm	998	1164
ØC	mm	600	600
ØD	mm	500	500

EXAMPLE OF INSTALLATION AND CONNECTION



SMALL CAPACITY BUFFER TANKS
FOR HEAT PUMP SYSTEMS

ADVANTAGES



NON-ENAMELED BUFFER TANKS FOR HEAT PUMP SYSTEMS

Small capacity buffer tanks range includes models of 30 L Slim, 50 L Slim, 80 L and 100 L for vertical wall installation.

Advantages:

- **INSUTECH** technology that creates a **HIGHLY EFFICIENT INSULATION** for preserving the temperature of the fluid.
- **METAL INLETS AND OUTLETS** with a G1 ½" for a high flow rate:
  - 4 INLETS and 4 OUTLETS for connection to TWO heat SOURCES - 50 L, 80 L and 100 L P2 models
  - 2 INLETS and 2 OUTLETS - 30 L, 50 L and 100 L P1 models
- **POCKETS FOR THERMO SENSORS:**
  - 2 POCKETS - 50 L, 80 L and 100 L P2 models
  - 1 POCKET - 30 L, 50 L and 100 L P1 models
- Option for **HEATING ELEMENT INSTALLATION.**
- **INTEGRATED MOUNTING PLATE** for vertical wall installation.
- AV opening.
- Rated pressure 6 bar.
- Option for **ANTI-CONDENSATION INSULATION** on the fittings.
- Aesthetic white metal jacket.

ACCESSORIES

Name	SAP	COMPONENTS	DESCRIPTION
AK Anti-condensation TESY VB	306090	Kit of 4 pcs plastic cap, K-flex gaskets and double sided sticker	Used to prevent moisture around the fittings when using the buffers in a cooling mode.
AK PA GF plug G1 1/2 TESY VB	306091	Kit of 4 pcs Polyamide plugs G1 ½ with O-rings	Used to cover the unused fittings of the buffer.
AK thermoset G1/2 TESY VB	306092	Kit of 2 pcs brass sleeves for thermopockets, cable glands and K-flex gaskets	The two brass sleeves with cable glands are used for the thermopockets. The K-flex gaskets are optional to prevent moisture around the fittings when using the buffers in a cooling system.

SMALL CAPACITY BUFFER TANKS
for heat pump systems

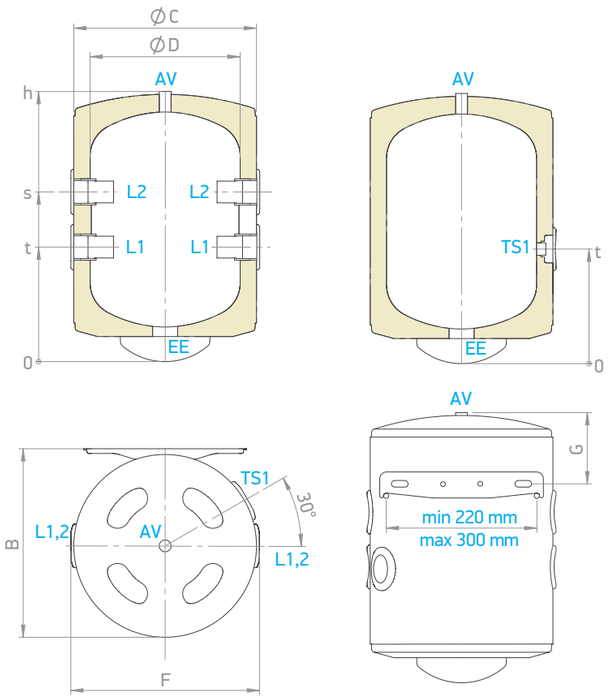
with **2 Inlets and 2 outlets** and **1 pocket for thermo sensor**

30 L SLIM



Model		VB 1.2 3038 D02 P1
Art. Number	№	306162
Capacity	L	30
Net weight	kg	12
Insulation	mm	34
Heat losses ΔT45K	W	32,1
Energy efficiency class		B
Maximum operational temperature	°C	95
Rated pressure	**bar**	**6**

Small capacity buffer tanks for heat pump systems | with **2 Inlets and 2 outlets I 1 pocket for thermo sensor**

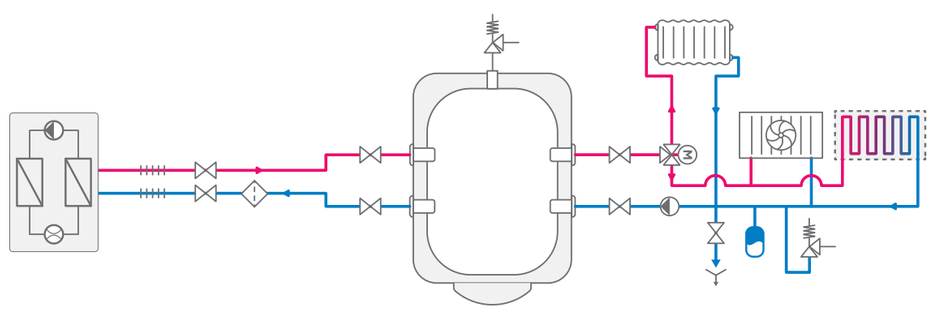


Model		VB 1.2 3038 D02 P1
TS1	thermo sensor pocket level 1	G 1/2
AV	opening for air ventilation	G 1/2
EE	opening for electric element/drainage	G1 1/2
L1	level 1	G1 1/2
L2	level 2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimentions		VB 1.2 3038 D02 P1
h	mm	570
s	mm	360
t	mm	240
Ø C	mm	386
Ø D	mm	317
B	mm	412
F	mm	392
G	mm	157

EXAMPLE OF INSTALLATION AND CONNECTION



SMALL CAPACITY BUFFER TANKS
for heat pump systems

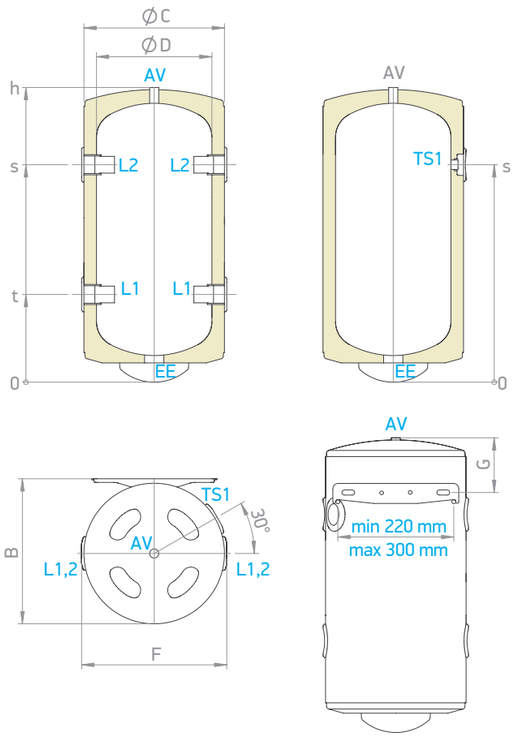
with **2 Inlets and 2 outlets**
and **1 pocket for thermo sensor**

50 L
SLIM



Model		VB 1.2 5038 D02 P1
Art. Number	№	306163
Capacity	L	48
Net weight	kg	17
Insulation	mm	34
Heat losses ΔT45K	W	49, 6
Energy efficiency class		C
Maximum operational temperature	°C	95
Rated pressure	**bar**	**6**

Small capacity buffer tanks for heat pump systems | with **2 Inlets and 2 outlets I 1 pocket for thermo sensor**

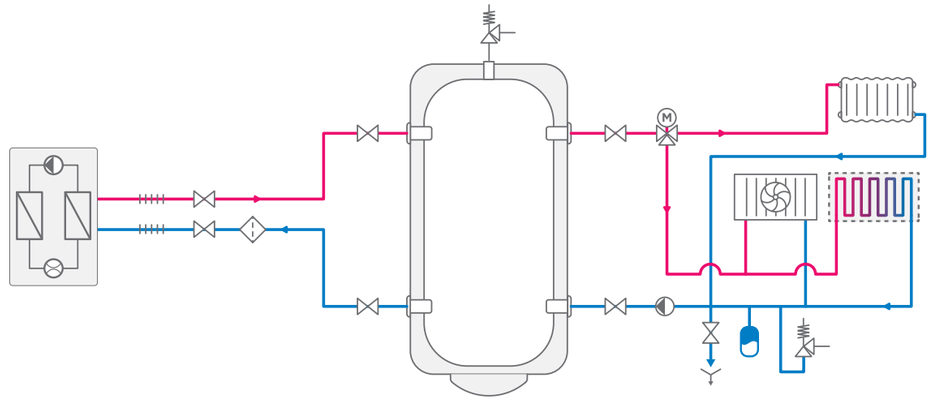


Model		VB 1.2 5038 D02 P1
TS1	thermo sensor pocket level 1	G 1/2
AV	opening for air ventilation	G 1/2
EE	opening for electric element/drainage	G1 1/2
L1	level 1	G1 1/2
L2	level 2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimentions		VB 1.2 5038 D02 P1
h	mm	808
s	mm	600
t	mm	240
Ø C	mm	386
Ø D	mm	317
B	mm	412
F	mm	392
G	mm	157

EXAMPLE OF INSTALLATION AND CONNECTION



SMALL CAPACITY BUFFER TANKS
for heat pump systems

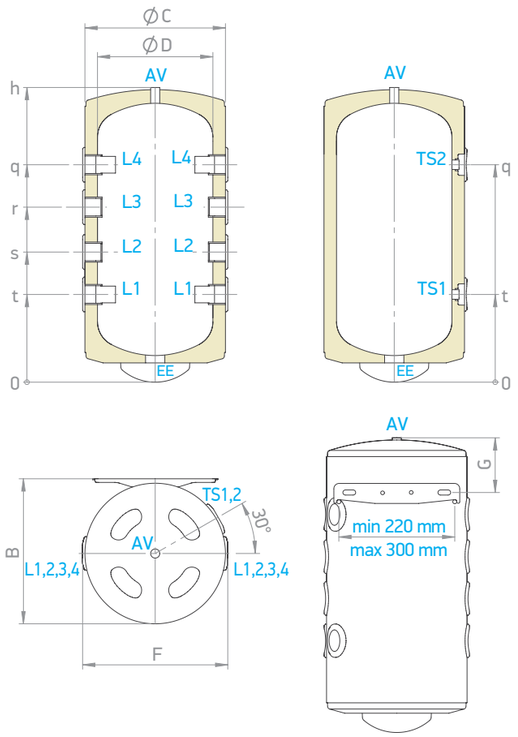
with **4 inlets and 4 outlets**
and **2 pockets for thermo sensor**

50 L
SLIM



Model		VB 1.2 5038 D02 P2
Art. Number	№	306164
Capacity	L	48
Net weight	kg	16
Insulation	mm	34
Heat losses ΔT45K	W	49, 6
Energy efficiency class		C
Maximum operational temperature	°C	95
Rated pressure	**bar**	**6**

Small capacity buffer tanks for heat pump systems | with **4 inlets and 4 outlets I 2 pockets for thermo sensor**

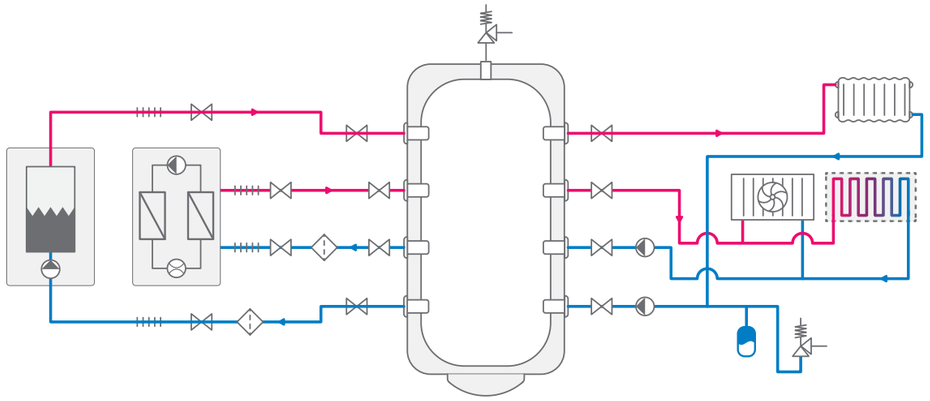


Model		VB 1.2 5038 D02 P2
TS1	thermo sensor pocket level 1	G 1/2
TS2	thermo sensor pocket level 2	G 1/2
AV	opening for air ventilation	G 1/2
EE	opening for electric element/drainage	G1 1/2
L1	level 1	G1 1/2
L2	level 2	G1 1/2
L3	level 3	G1 1/2
L4	level 4	G1 1/2

Thread designations according to EN ISO 228-1!

Dimentions		VB 1.2 5038 D02 P2
h	mm	808
q	mm	600
r	mm	480
s	mm	360
t	mm	240
Ø C	mm	386
Ø D	mm	317
B	mm	412
F	mm	392
G	mm	157

EXAMPLE OF INSTALLATION AND CONNECTION



SMALL CAPACITY BUFFER TANKS
for heat pump systems

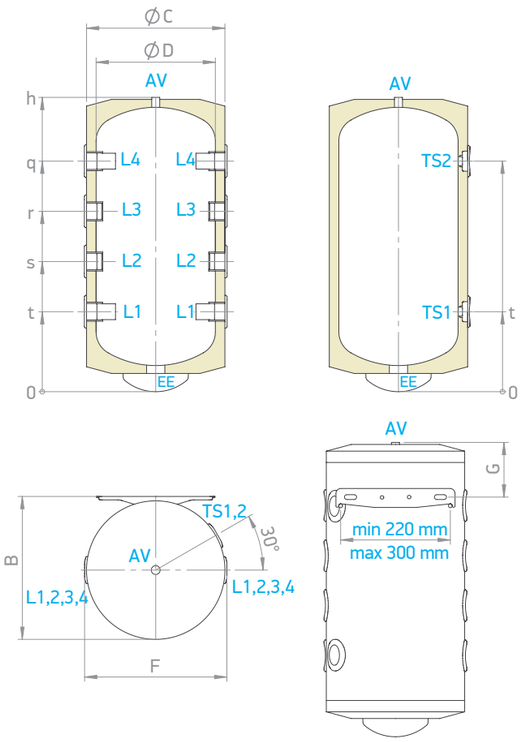
with **4 inlets and 4 outlets**
and **2 pockets for thermo sensor**

80 L



Model		VB 1.2 8047 A02 P2
Art. Number	№	306147
Capacity	L	82
Net weight	kg	23
Insulation	mm	32
Heat losses ΔT45K	W	53, 8
Energy efficiency class		C
Maximum operational temperature	°C	95
Rated pressure	**bar**	**6**

Small capacity buffer tanks for heat pump systems | with **4 inlets and 4 outlets I 2 pockets for thermo sensor**

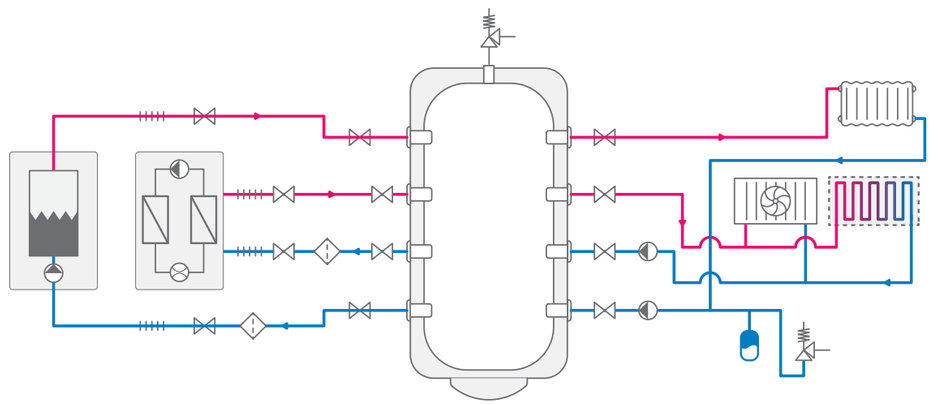


Model		VB 1.2 8047 A02 P2
TS1	thermo sensor pocket level 1	G 1/2
TS2	thermo sensor pocket level 2	G 1/2
AV	opening for air ventilation	G 1/2
EE	opening for electric element/drainage	G1 1/2
L1	level 1	G1 1/2
L2	level 2	G1 1/2
L3	level 3	G1 1/2
L4	level 4	G1 1/2

Thread designations according to EN ISO 228-1!

Dimentions		VB 1.2 8047 A02 P2
h	mm	845
q	mm	618
r	mm	498
s	mm	378
t	mm	258
Ø C	mm	470
Ø D	mm	404
B	mm	496
F	mm	475
G	mm	174

EXAMPLE OF INSTALLATION AND CONNECTION



SMALL CAPACITY BUFFER TANKS
for heat pump systems

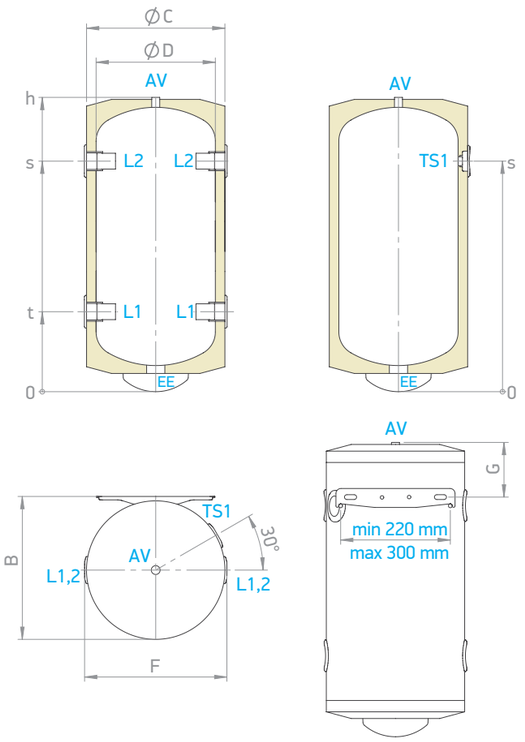
with **2 Inlets and 2 outlets** and **1 pocket for thermo sensor**

100 L



Model		VB 1.2 10047 A02 P1
Art. Number	№	306149
Capacity	L	100
Net weight	kg	25
Insulation	mm	32
Heat losses ΔT45K	W	61, 3
Energy efficiency class		C
Maximum operational temperature	°C	95
Rated pressure	**bar**	**6**

Small capacity buffer tanks for heat pump systems | with **2 Inlets and 2 outlets I 1 pocket for thermo sensor**

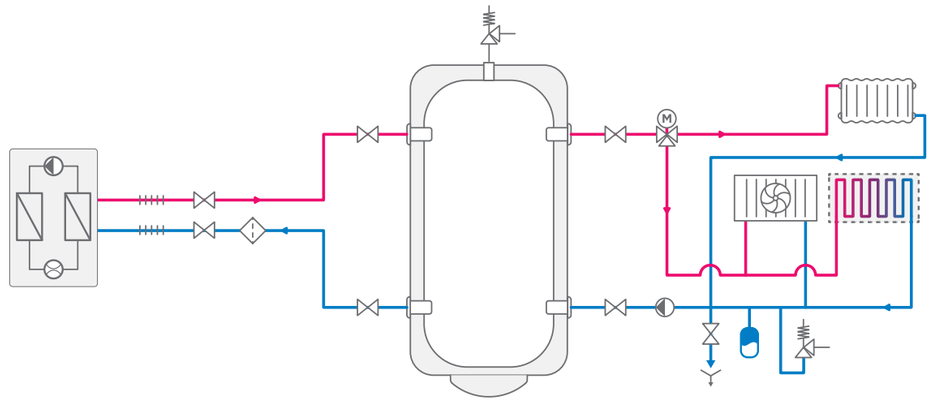


Model		VB 1.2 10047 A02 P1
TS1	thermo sensor pocket level 1	G 1/2
AV	opening for air ventilation	G 1/2
EE	opening for electric element/drainage	G1 1/2
L1	level 1	G1 1/2
L2	level 2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimentions		VB 1.2 10047 A02 P1
h	mm	985
s	mm	763
t	mm	253
Ø C	mm	470
Ø D	mm	404
B	mm	496
F	mm	475
G	mm	174

EXAMPLE OF INSTALLATION AND CONNECTION



SMALL CAPACITY BUFFER TANKS
for heat pump systems

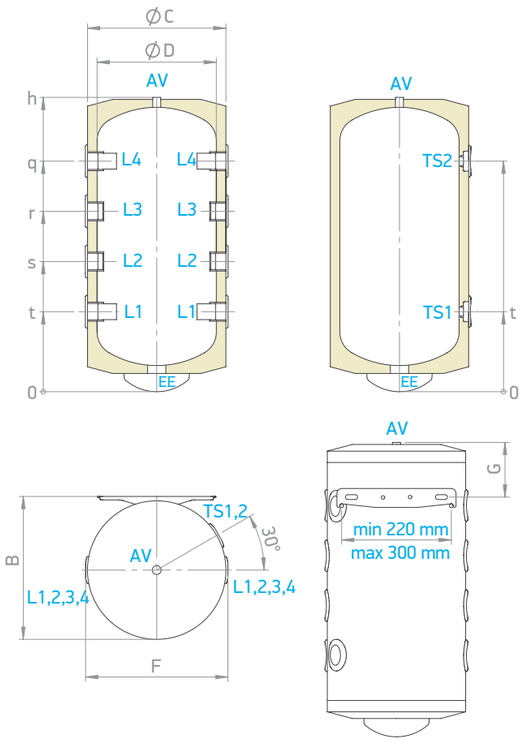
with **4 inlets and 4 outlets**
and **2 pockets for thermo sensor**

100 L



Model		VB 1.2 10047 A02 P2
Art. Number	№	306148
Capacity	L	100
Net weight	kg	26
Insulation	mm	32
Heat losses ΔT45K	W	61, 3
Energy efficiency class		C
Maximum operational temperature	°C	95
Rated pressure	**bar**	**6**

Small capacity buffer tanks for heat pump systems | with **4 inlets and 4 outlets I 2 pockets for thermo sensor**

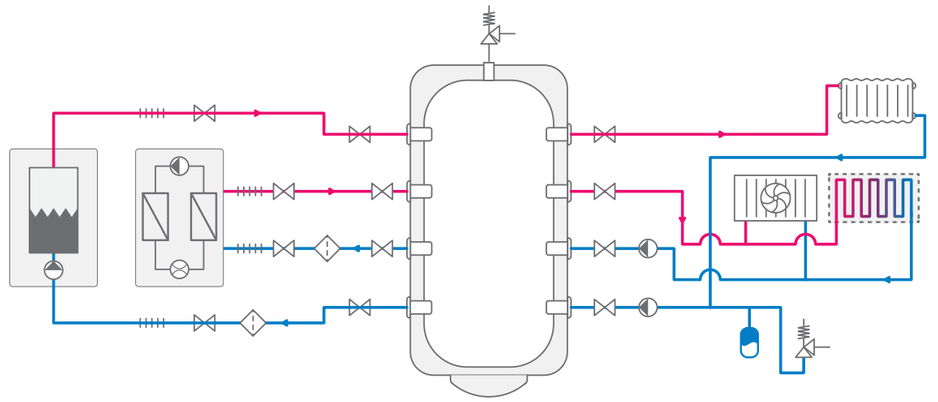


Model		VB 1.2 10047 A02 P2
TS1	thermo sensor pocket level 1	G 1/2
TS2	thermo sensor pocket level 2	G 1/2
AV	opening for air ventilation	G 1/2
EE	opening for electric element/drainage	G1 1/2
L1	level 1	G1 1/2
L2	level 2	G1 1/2
L3	level 3	G1 1/2
L4	level 4	G1 1/2

Thread designations according to EN ISO 228-1!

Dimentions		VB 1.2 8047 A02 P2
h	mm	985
q	mm	763
r	mm	593
s	mm	423
t	mm	253
Ø C	mm	470
Ø D	mm	404
B	mm	496
F	mm	475
G	mm	174

EXAMPLE OF INSTALLATION AND CONNECTION





6
Bar

ENAMELED BUFFER TANKS FOR HEAT PUMP SYSTEMS

The range includes models with 50 L and 80 L of capacity without a heat exchanger for wall installation.

Advantages:

- Insulation of 50 mm high-density PU for low energy losses.
- 4 inlets and 4 outlets with G 1.1/4" for a higher flow rate.
- High energy efficiency **class B**.
- Stratification brackets on the upper and lower inlets and outlets.
- Drainage on G 1½".
- Air Ventilation on G ¾".
- Rated pressure 6 bar.
- Option for **HEATING ELEMENT INSTALLATION.**

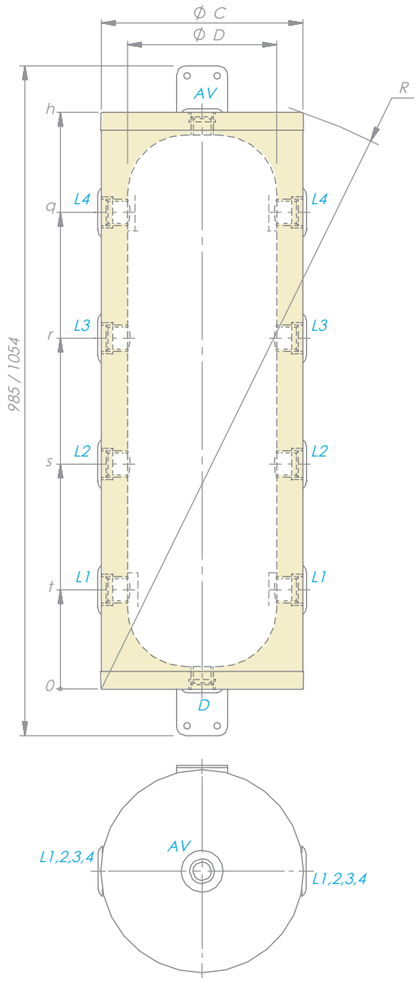
ENAMELED BUFFER TANKS
for heat pump systems

50 L and 80 L



MODEL		TESY EV 50 40	TESY EV 80 46
Art.number	№	423102	423101
Capacity	L	51	80
Net weight	kg	24	36
Insulation	mm	50	50
Heat losses ΔT45K	W	38	45
Energy efficiency class		B	B
Maximum operational temperature	°C	95	95
Rated pressure	**bar**	**6**	**6**

Enameled buffer tanks for heat pump systems | **50 L and 80 L**

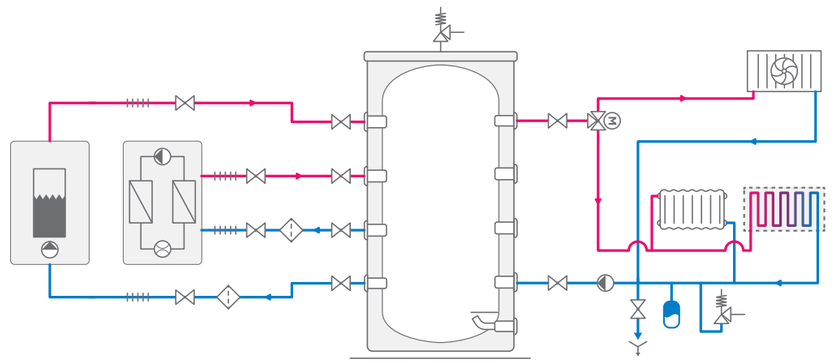


MODELS		TESY EV 50 40	TESY EV 80 46
AV	opening for air ventilation	G3/4	G3/4
D	Drainage	G1 1/2	G1 1/2
L1	level 1	G1 1/4	G1 1/4
L2	level 2	G1 1/4	G1 1/4
L3	level 3	G1 1/4	G1 1/4
L4	level 4	G1 1/4	G1 1/4

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 50 40	TESY EV 80 46
h	mm	875	915
q	mm	723	742
r	mm	533	552
s	mm	343	362
t	mm	153	172
R	mm	953	1003
ØC	mm	400	460
ØD	mm	300	360

EXAMPLE OF INSTALLATION AND CONNECTION



ENAMELED AND NON-ENAMELED BUFFER TANKS **SERIES ANTI-CONDENS FOR HEAT PUMP SYSTEMS**

3 Bar

ENAMELED



NON-ENAMELED



BUFFER TANKS SERIES ANTI-CONDENS FOR HEAT PUMP SYSTEMS

Buffer tanks, specially designed to be compatible with heat pump systems.

The range includes 100 L, 160 L and 200 L models, floor standing, without heat exchanger.

Advantages:

- Optimal operation in heating and cooling mode.
- **ANTI-CONDENS SOLUTION.** Additional insulation around all inlets and outlets to prevent condensation in cooling mode.
- High Energy Efficiency **Class A** (100 L) and **Class B** (160-200 L).
- 4 inlets and 4 outlets of G1 1/2 size providing high flow rate.
- Additional pockets for air ventilation and draining.
- Inovative stratification nozzles at all inlets and outlets.
- 2 thermosensor pockets (1 for 100 L model).

ENAMELED BUFFER TANKS with anti-condens solution

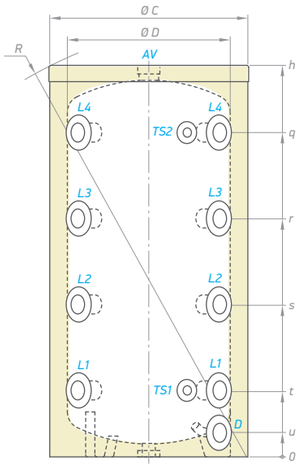
160 L and 200 L

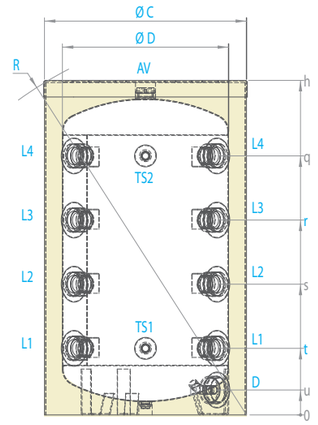
CLASS B

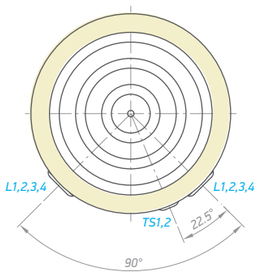


MODEL		TESY EV 160 60 ACF W	TESY EV 200 60 ACF W
Art.number	№	305932	305933
Capacity	L	163	202
Net weight	kg	44	49
Insulation	mm	50	50
Heat losses ΔT45K	W	49	56
Energy efficiency class		B	B
Maximum operational temperature	°C	95	95
Rated pressure	**bar**	**3**	**3**

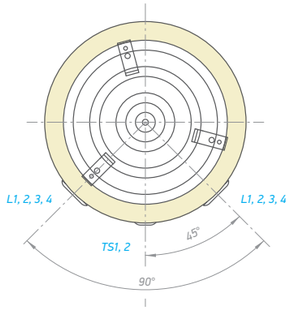
Enameled buffer tanks with anti-condens solution | **160 L and 200 L**







TESY EV 200 60 ACF W



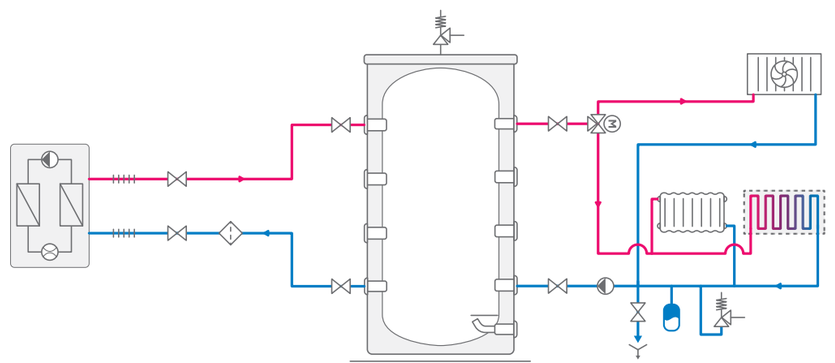
TESY EV 160 60 ACF W

MODELS		TESY EV 160 60 ACF W	TESY EV 200 60 ACF W
TS1	thermo pocket level 1	G1/2	G1/2
AV	opening for air ventilation	G1 1/2	G1 1/2
D	Drainage	G3/4	G3/4
L1	level 1	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 160 60 ACF W	TESY EV 200 60 ACF W
h	mm	1007	1202
q	mm	779	995
r	mm	586	730
s	mm	393	465
t	mm	200	200
u	mm	75	75
R	mm	1176	1345
ØC	mm	600	600
ØD	mm	500	500

EXAMPLE OF INSTALLATION AND CONNECTION



NON-ENAMELED BUFFER TANKS
for heat pump systems

without **heat exchangers**

100 L to 200 L

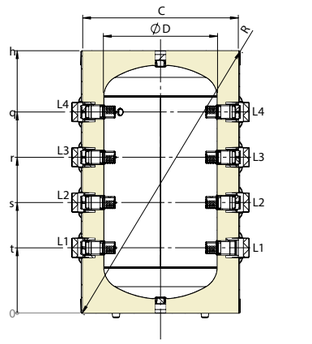
CLASS A

CLASS B

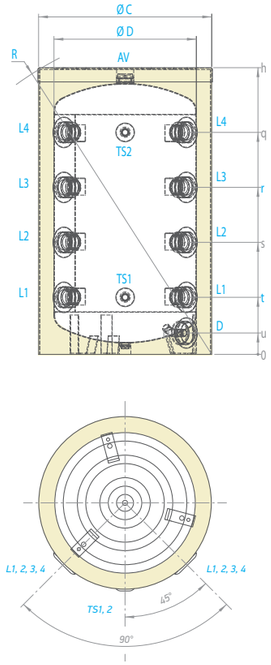


MODEL		TESY V 100 55 ACF W	TESY V 160 60 ACF W	TESY V 200 60 ACF W
Art.number	№	305432	305433	305434
Capacity	L	101	163	202
Net weight	kg	29	38	45
Insulation	mm	73	50	50
Heat losses ΔT45K	W	34	49	56
Energy efficiency class		A	B	B
Maximum operational temperature	°C	95	95	95
Rated pressure	**bar**	**3**	**3**	**3**

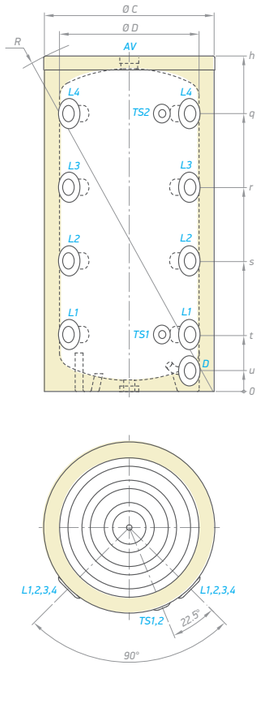
Non-enameled buffer tanks with anti-condens solution systems | without **heat exchangers** | **100 L to 200 L**



TESY V 100 55 ACF W



TESY V 160 60 ACF W



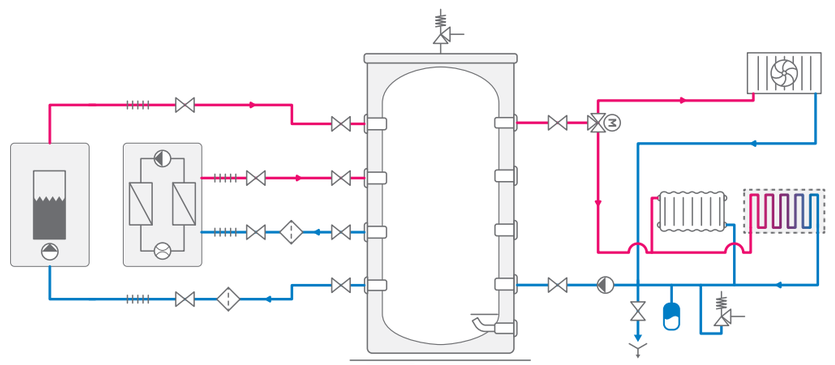
TESY V 200 60 ACF W Wv

MODEL		TESY V 100 55 ACF W	TESY V 160 60 ACF W	TESY V 200 60 ACF W
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	-	G1/2	G1/2
AV	opening for air ventilation	G3/4	G1 1/2	G1 1/2
D	Drainage	G3/4	G3/4	G3/4
L1	level 1	G1 1/2	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 100 55 ACF W	TESY V 160 60 ACF W	TESY V 200 60 ACF W
h	mm	932	1007	1202
q	mm	710	779	995
r	mm	550	586	730
s	mm	390	393	465
t	mm	230	200	200
u	mm	-	75	75
R	mm	1082	1176	1345
ØC	mm	564	600	600
ØD	mm	404	500	500

EXAMPLE OF INSTALLATION AND CONNECTION





3
Bar

BUFFER TANKS FOR HEATING SYSTEMS

A wide range of buffer tanks for operation in closed heating systems.

The range includes models from 200 L to 2000 L with two, one or without heat exchangers.

Advantages:

- Four thermopockets.
- **CFC free PU foam INSULATION** for optimal heat losses for models up to 500 L.
- **TESY ThermoShell modular removable EPS INSULATION** for models 800 L and 1000 L.
- Heat exchangers with a large surface.

BUFFER TANKS

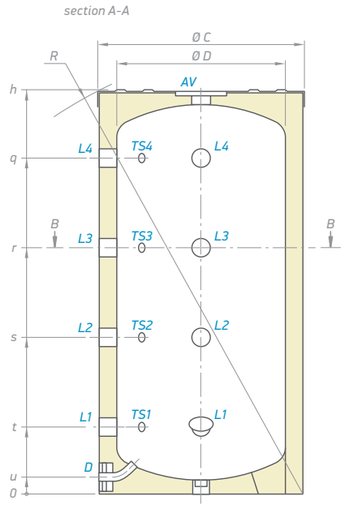
without **heat exchangers**

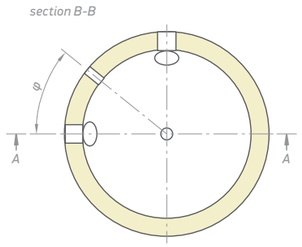
200 L to 500 L



MODEL		TESY V 200 60 P4	TESY V 300 65 P4	TESY V 400 75 P4	TESY V 500 75 P4
Art.number	№	300632	300634	300635	300636
Capacity	L	202	294	406	497
Net weight	kg	44	55	68	80
Insulation	mm	50	50	50	50
Heat losses ΔT45K	W	59	68	91	95
Energy efficiency class		B	B	C	C
Maximum operational temperature	°C	95	95	95	95
Rated pressure	**bar**	**3**	**3**	**3**	**3**

Buffer tanks | without **heat exchangers** | **200 L to 500 L**



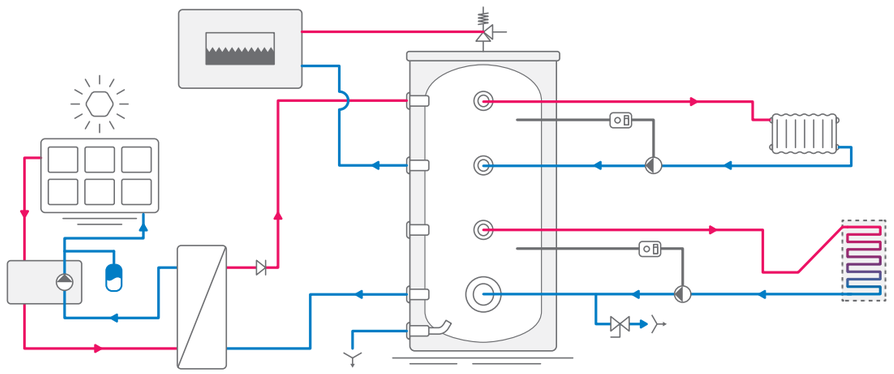


MODEL		TESY V 200 60 P4	TESY V 300 65 P4	TESY V 400 75 P4	TESY V 500 75 P4
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2	G1/2
AV	opening for air ventilation	G1 1/2	G1 1/2	G1 1/2	G1 1/2
D	Drainage	G3/4	G3/4	G3/4	G3/4
L1	level 1	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 200 60 P4	TESY V 300 65 P4	TESY V 400 75 P4	TESY V 500 75 P4
h	mm	1202	1422	1407	1677
q	mm	995	1207	1166	1448
r	mm	730	872	850	1036
s	mm	465	537	534	624
t	mm	200	202	218	212
u	mm	75	52	75	75
Ψ	°	45	45	22,5	22,5
R	mm	1345	1565	1596	1837
ØC	mm	600	650	750	750
ØD	mm	500	550	650	650

EXAMPLE OF INSTALLATION AND CONNECTION



BUFFER TANKS

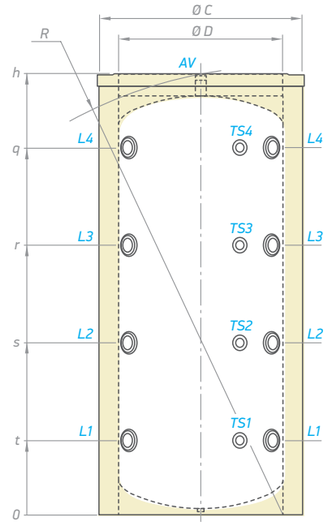
without **heat exchangers**

800 L to 2000 L



MODEL		TESY V 800 99 P4 EPS	TESY V 1000 99 P4 EPS	TESY V 1500 120 P4	TESY V 2000 130 P4
Art.number	№	306831	306832	303893	303894
Capacity	L	805	902	1476	1904
Net weight	kg	107	116	216	258
Insulation	mm	100	100	100	100
Heat losses ΔT45K	W	128	136	158	183
Energy efficiency class		C	C	C	C
Maximum operational temperature	°C	95	95	95	95
Rated pressure	**bar**	**3**	**3**	**3**	**3**

Buffer tanks | without **heat exchangers** | **800 L to 2000 L**



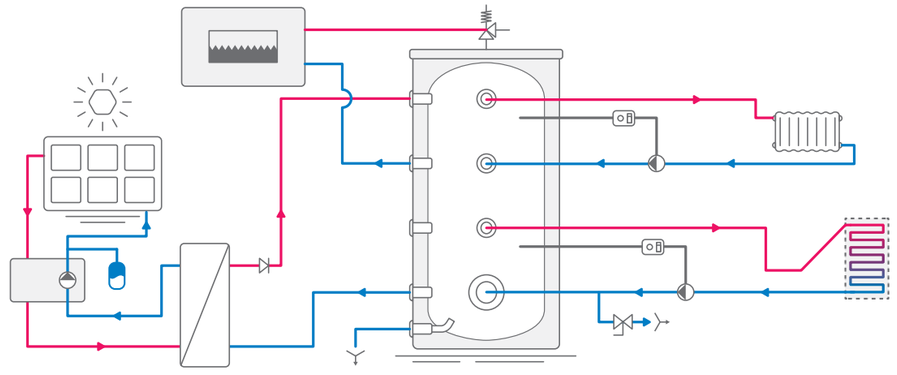


MODELS		TESY V 800 99 P4	TESY V 1000 99 P4	TESY V 1500 120 P4	TESY V 2000 130 P4
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2	G1/2
AV	opening for air ventilation	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L1	level 1	G1 1/2	G1 1/2	G2	G2
L2	level 2	G1 1/2	G1 1/2	G2	G2
L3	level 3	G1 1/2	G1 1/2	G2	G2
L4	level 4	G1 1/2	G1 1/2	G2	G2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 800 99 P4	TESY V 1000 99 P4	TESY V 1500 120 P4	TESY V 2000 130 P4
h	mm	1947	2125	2219	2413
q	mm	1500	1775	1730	1896
r	mm	1120	1304	1297	1413
s	mm	740	833	864	930
t	mm	360	362	431	447
R	mm	2178	2347	2426	2735
ØC	mm	990	990	1200	1300
ØD	mm	790	790	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION



BUFFER TANKS

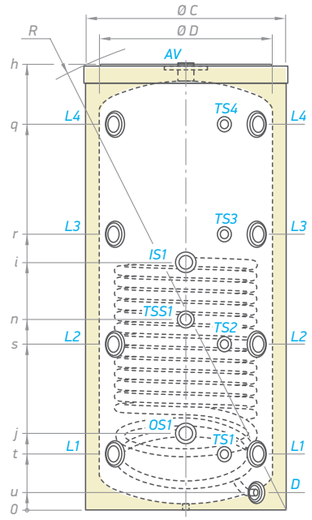
with **one heat exchanger**

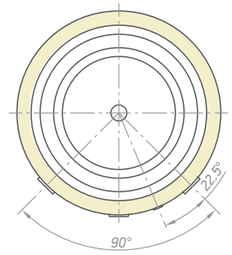
200 L to 500 L



MODEL		TESY V 9 S 200 60 P4	TESY V 12 S 300 65 P4	TESY V 11 S 400 75 P5	TESY V 15 S 500 75 P5
Art.number	№	302172	302173	300612	300624
Capacity	L	195	283	394	480
Net weight	kg	55	72	88	104
Insulation	mm	50	50	50	50
Heat exchanger surface S1	**m²**	**0,96**	**1,45**	**1,65**	**2,25**
Heat exchanger capacity S1	L	5,80	8,80	10,00	13,70
Heat losses ΔT45K	W	59	68	91	95
Energy efficiency class		B	B	C	C
Maximum operational temperature	°C	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110
Rated pressure	**bar**	**3**	**3**	**3**	**3**
Rated pressure of the heat exchanger	bar	6	6	6	6

Buffer tanks | with **one heat exchanger | 200 L to 500 L**



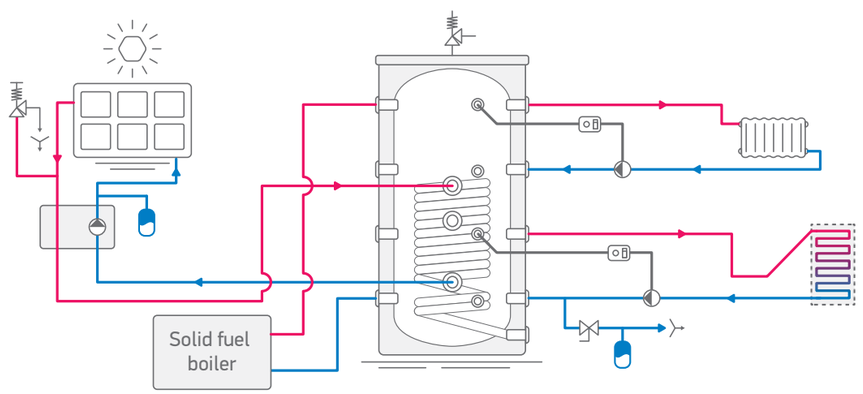


MODEL		TESY V 9 S 200 60 P4	TESY V 12 S 300 65 P4	TESY V 11 S 400 75 P5	TESY V 15 S 500 75 P5
IS1	heat exchanger inlet	G1	G1	G1	G1
OS1	heat exchanger outlet	G1	G1	G1	G1
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2	G1/2
TSS1	thermo sensor pocket heat exchanger	G1/2	G1/2	G1/2	G1/2
D	drainage	G 3/4B	G 3/4B	G 3/4B	G 3/4B
L1	level 1	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 9 S 200 60 P4	TESY V 12 S 300 65 P4	TESY V 11 S 400 75 P5	TESY V 15 S 500 75 P5
h	mm	1202	1422	1407	1677
i	mm	655	817	782	933
j	mm	268	301	308	288
n	mm	-	-	465	718
q	mm	995	1208	1166	1448
r	mm	730	873	850	1036
s	mm	465	538	534	624
t	mm	200	203	218	212
u		75	75	75	75
R	mm	1343	1560	1596	1837
ØC	mm	600	650	750	750
ØD	mm	500	550	650	650

EXAMPLE OF INSTALLATION AND CONNECTION



BUFFER TANKS

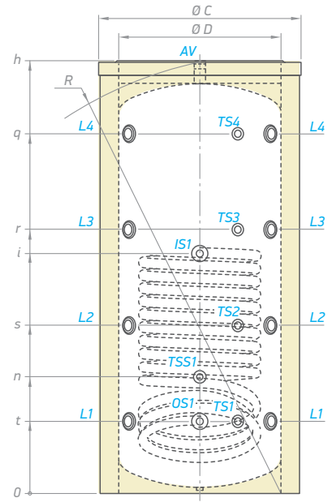
with **one heat exchanger**

800 L to 2000 L



MODEL		TESY V 12 S 800 99 P5 EPS	TESY V 15 S 1000 99 P5 EPS	TESY V 12 S 1500 120 P5	TESY V 15 S 2000 130 P5
Art.number	№	306833	306834	303887	303892
Capacity	L	776	866	1439	1853
Net weight	kg	154	176	267	332
Insulation	mm	100	100	100	100
Heat exchanger surface S1	**m²**	**3,10**	**3,30**	**3,47**	**4,50**
Heat exchanger capacity S1	L	26,20	31,30	31,40	41,60
Heat losses ΔT45K	W	128	136	158	183
Energy efficiency class		C	C	C	C
Maximum operational temperature	°C	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110
Rated pressure	**bar**	**3**	**3**	**3**	**3**
Rated pressure of the heat exchanger	bar	6	6	6	6

Buffer tanks | with **one heat exchanger | 800 L to 2000 L**



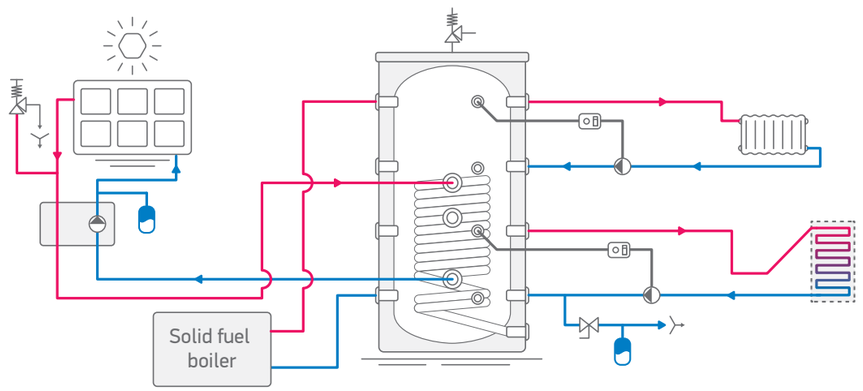


MODELS		TESY V 12 S 800 99 P5	TESY V 15 S 1000 99 P5	TESY V 12 S 1500 120 P5	TESY V 15 S 2000 130 P5
IS1	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2	G1/2
TSS1	thermo sensor pocket heat exchanger	G1/2	G1/2	G1/2	G1/2
L1	level 1	G1 1/2	G1 1/2	G2	G2
L2	level 2	G1 1/2	G1 1/2	G2	G2
L3	level 3	G1 1/2	G1 1/2	G2	G2
L4	level 4	G1 1/2	G1 1/2	G2	G2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 12 S 800 99 P5	TESY V 15 S 1000 99 P5	TESY V 12 S 1500 120 P5	TESY V 15 S 2000 130 P5
h	mm	1947	2125	2219	2413
i	mm	1020	1189	1091	1272
j	mm	360	364	427	446
n	mm	580	584	651	647
q	mm	1500	1775	1730	1896
r	mm	1120	1304	1297	1413
s	mm	740	833	864	930
t	mm	360	362	431	447
R	mm	2178	2347	2462	2735
ØC	mm	990	990	1200	1300
ØD	mm	790	790	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION



BUFFER TANKS

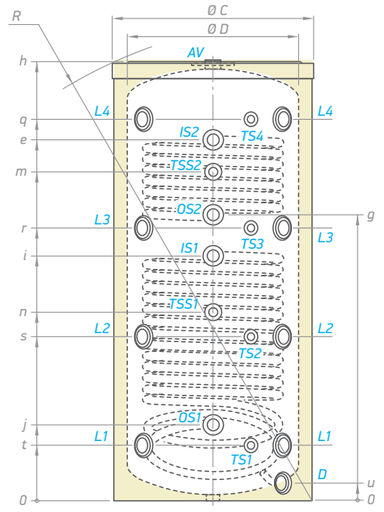
with **two heat exchangers**

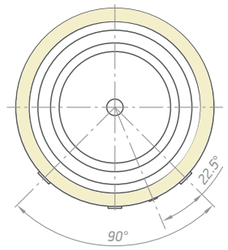
400 L to 500 L



MODEL		TESY V 11/5 S2 400 75 P6	TESY V 15/7 S2 500 75 P6
Art.number	№	300613	300625
Capacity	L	388	472
Net weight	kg	98	123
Insulation	mm	50	50
Heat exchanger surface S1	**m²**	**1,65**	**2,25**
Heat exchanger capacity S1	L	10,00	13,70
Heat exchanger surface S2	**m²**	**0,76**	**1,04**
Heat exchanger capacity S2	L	4,60	6,40
Heat losses ΔT45K	W	91	95
Energy efficiency class		C	C
Maximum operational temperature	°C	95	95
Maximum operational temperature of heat exchanger	°C	110	110
Rated pressure	**bar**	**3**	**3**
Rated pressure of the heat exchanger	bar	6	6

Buffer tanks | with **two heat exchangers | 400 L to 500 L**



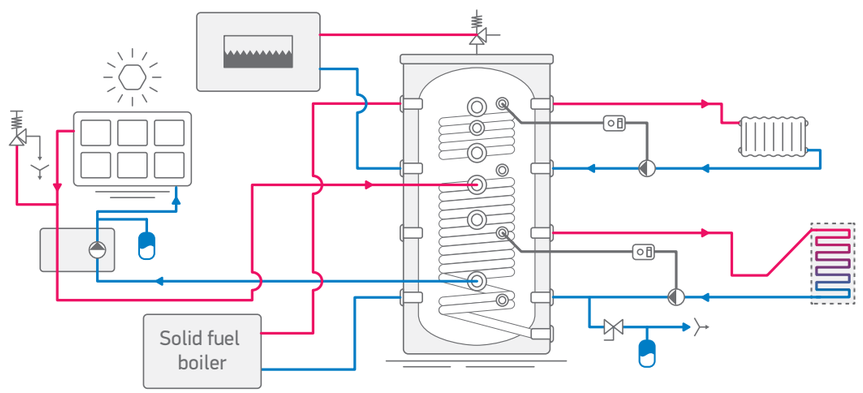


MODEL		TESY V 11/5 S2 400 75 P6	TESY V 15/7 S2 500 75 P6
IS1	heat exchanger inlet	G1	G1
OS1	heat exchanger outlet	G1	G1
IS2	heat exchanger inlet	G1	G1
OS2	heat exchanger outlet	G1	G1
TS1	thermo pocket level 1	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2
TSS1	thermo sensor pocket heat exchanger	G1/2	G1/2
TSS2	thermo sensor pocket heat exchanger	G1/2	G1/2
D	drainage	G 3/4B	G 3/4B
L1	level 1	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 11/5 S2 400 75 P6	TESY V 15/7 S2 500 75 P6
h	mm	1407	1677
e	mm	1080	1349
g	mm	865	1048
i	mm	782	934
m	mm	1003	1220
n	mm	466	725
q	mm	1166	1448
r	mm	850	1036
s	mm	534	624
t	mm	218	212
u	mm	75	75
R	mm	1596	1837
ØC	mm	750	750
ØD	mm	650	650

EXAMPLE OF INSTALLATION AND CONNECTION



BUFFER TANKS

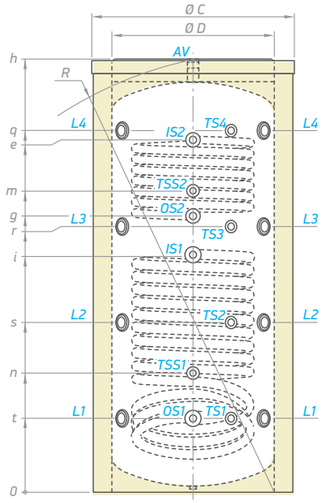
with **two heat exchangers**

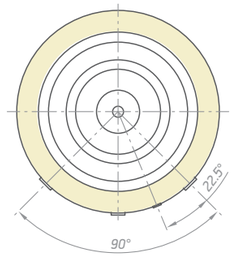
800 L to 2000 L



MODEL		TESY V 12/9 S2 800 99 P6 EPS	TESY V 15/9 S2 1000 99 P6 EPS	TESY V 12/8 S2 1500 120 P6	TESY V 15/9 S2 2000 130 P6
Art.number	№	306835	306836	303890	303870
Capacity	L	766	855	1415	1822
Net weight	kg	173	202	304	380
Insulation	mm	100	100	100	100
Heat exchanger surface S1	**m²**	**2,89**	**3,45**	**3,47**	**4,50**
Heat exchanger capacity S1	L	26,20	31,30	31,40	41,60
Heat exchanger surface S2	**m²**	**1,54**	**1,31**	**2,30**	**2,70**
Heat exchanger capacity S2	L	9,40	7,90	20,50	25,20
Heat losses ΔT45K	W	128	136	158	183
Energy efficiency class		C	C	C	C
Maximum operational temperature	°C	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110
Rated pressure	**bar**	**3**	**3**	**3**	**3**
Rated pressure of the heat exchanger	bar	6	6	6	6

Buffer tanks | with **two heat exchangers | 800 L to 2000 L**



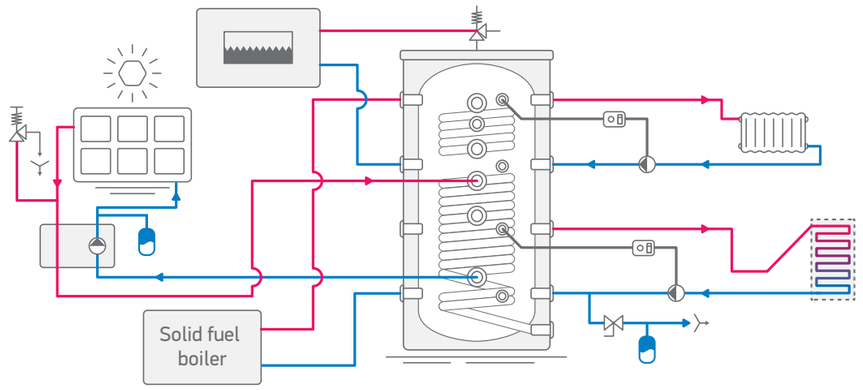


MODELS		TESY V 12/9 S2 800 99 P6	TESY V 15/9 S2 1000 99 P6	TESY V 12/8 S2 1500 120 P6	TESY V 15/9 S2 2000 130 P6
IS1	heat exchanger inlet	G1	G1	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1	G1	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
OS2	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2	G1 1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2	G1/2
TSS1	thermo sensor pocket heat exchanger	G1/2	G1/2	G1/2	G1/2
TSS2	thermo sensor pocket heat exchanger	G1/2	G1/2	G1/2	G1/2
L1	level 1	G1 1/2	G1 1/2	G2	G2
L2	level 2	G1 1/2	G1 1/2	G2	G2
L3	level 3	G1 1/2	G1 1/2	G2	G2
L4	level 4	G1 1/2	G1 1/2	G2	G2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 12/9 S2 800 99 P6	TESY V 15/9 S2 1000 99 P6	TESY V 12/8 S2 1500 120 P6	TESY V 15/9 S2 2000 130 P6
h	mm	1947	2125	2219	2413
e	mm	1507	1747	1737	1904
g	mm	1120	1360	1297	1409
i	mm	1020	1187	1091	1272
m	mm	1387	1502	1465	1566
n	mm	580	582	651	647
q	mm	1500	1775	1730	1896
r	mm	1120	1304	1297	1413
s	mm	740	833	864	930
t	mm	360	362	431	447
R	mm	2178	2347	2462	2735
ØC	mm	990	990	1200	1300
ØD	mm	790	790	1000	1100

EXAMPLE OF INSTALLATION AND CONNECTION



COMBINED BUFFER TANKS
WITH A CORRUGATED STAINLESS STEEL HYGIENIC HEAT EXCHANGER



3 Bar

COMBINED BUFFER TANKS FOR HEATING SYSTEMS AND DOMESTIC HOT WATER PRODUCTION

Buffer tanks for heating systems combined with production of domestic hot water needs.

Water for domestic needs is provided due to continiues run trough the corrugated stainless steel serpentine.

This process of domestic hot water production is highly efficient and ensuring low energy consumption in comparison with standard models.

The range includes models from 500 L to 1000 L with:

- hygienic stainless-steel corrugated coil and two heat exchangers
- hygienic stainless-steel corrugated coil and one heat exchanger
- hygienic stainless-steel corrugated coil

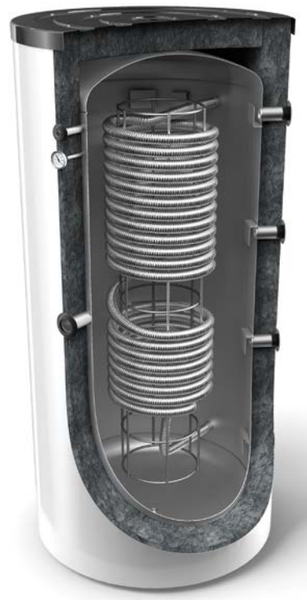
Advantages:

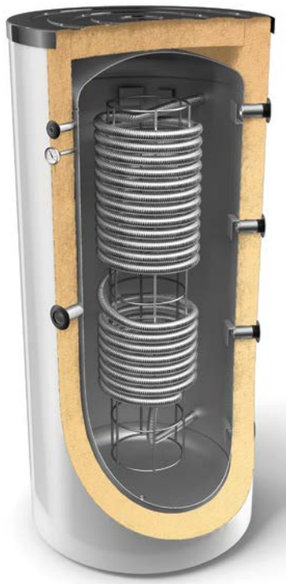
- Production of domestic hot water by means of a hygienic heat exchanger made of AISI 316L steel.
- Suitable for combining different types of low and high-temperature heat sources.
- 10 bar rated operating pressure of the domestic hot water heat exchanger.
- 95°C maximum operating temperature of the domestic hot water heat exchanger.
- 4 Inlets and 4 outlets for connection different types of heat sources.
- 4 openings for thermopockets.
- **TESY ThermoShell modular removable EPS INSULATION** for models 800 L and 1000 L.

COMBINED BUFFER TANKS

with a **corrugated stainless steel hygienic heat exchanger**

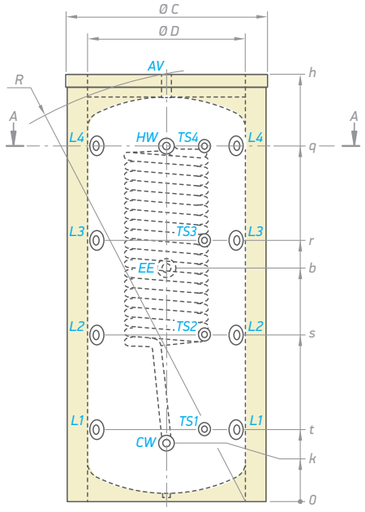
500 L to 1000 L

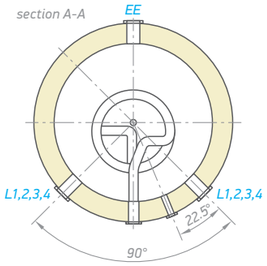




MODEL		TESY V 500 75 HYG 5.0	TESY V 800 99 HYG5.5 HE EPS	TESY V 1000 99 HYG5.5 HE EPS
Art.number	№	303530	306825	306826
Nominal capacity buffer tank	L	470	757	874
Net weight	kg	110	133	142
Insulation	mm	50	100	100
Surface hygienic heat exchanger	**m²**	**5,00**	**5,50**	**5,50**
Nominal volume hygienic heat exchanger	L	26,00	28,00	28,00
Heat losses ΔT45K	W	95,00	128,00	136,00
Energy efficiency class		C	C	C
Maximum operational temperature	°C	95	95	95
Maximum operational temperature of hygienic heat exchanger	°C	95	95	95
Rated pressure of buffer tank	**bar**	**3**	**3**	**3**
Rated pressure of hygienic heat exchanger	bar	10	10	10
Quantity of hot water drawn off at (θc + 30) or above. Tank preheat up to 60°C.	L (DHW flow rate, l/min)	193.3 (30.0)	252.3 (30.0)	332.9 (30.0)

Combined buffer tanks | with a **corrugated stainless steel hygienic heat exchanger** | **500 L to 1000 L**



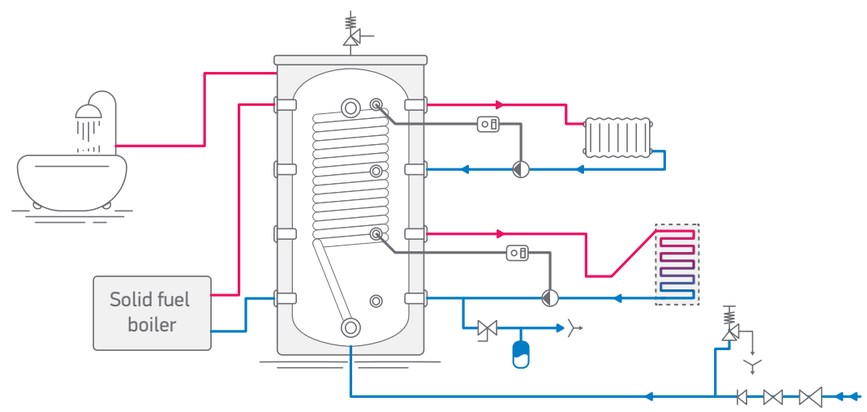


MODELS		TESY V 500 75 HYG 5.0	TESY V 800 99 HYG5.5 HE	TESY V 1000 99 HYG5.5 HE
CW	cold water inlet	G1	G1 1/4	G1 1/4
HW	hot water outlet	G1	G1 1/4	G1 1/4
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
AV	opening for air ventilation	G1 1/2	G1 1/2	G1 1/2
L1	level 1	G1 1/2	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 500 75 HYG 5.0	TESY V 800 99 HYG5.5 HE	TESY V 1000 99 HYG5.5 HE
h	mm	1677	1932	2132
b	mm	820	1053	1092
k	mm	212	292	292
q	mm	1448	1502	1777
r	mm	1036	1122	1306
s	mm	624	742	835
t	mm	212	362	364
R	mm	1839	1969	2165
ØC	mm	750	990	990
ØD	mm	650	790	790

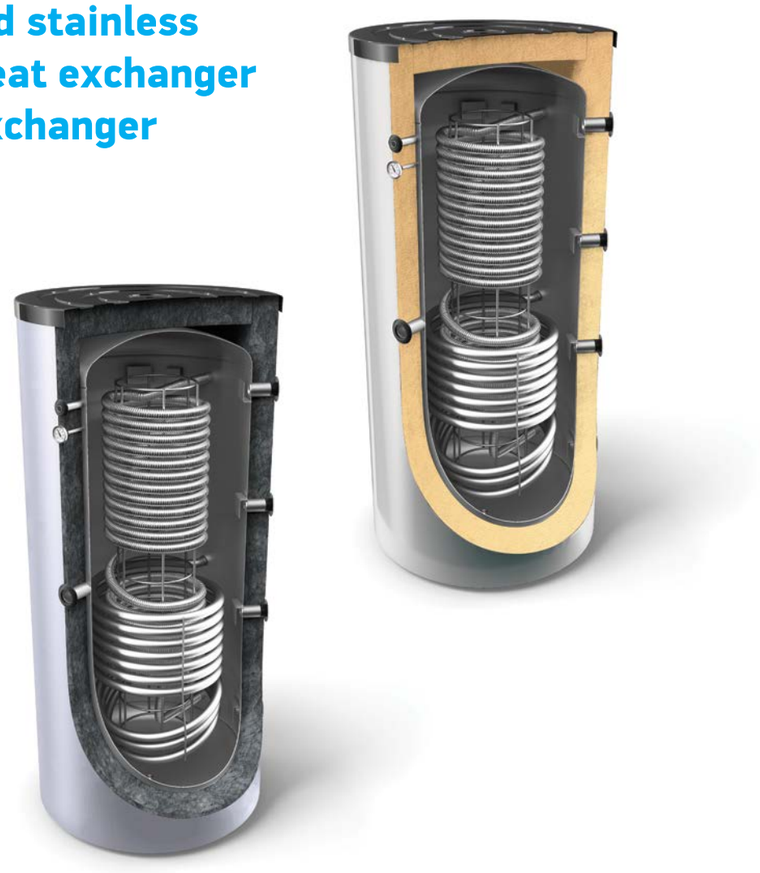
EXAMPLE OF INSTALLATION AND CONNECTION



COMBINED BUFFER TANKS

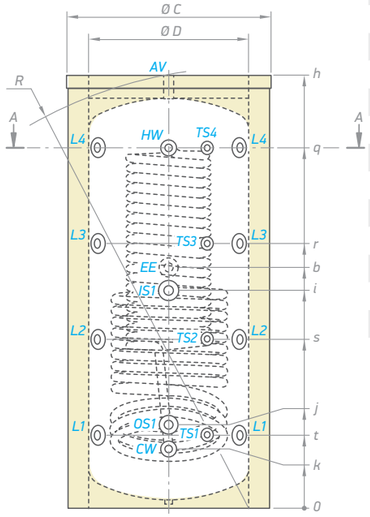
with a **corrugated stainless steel hygienic heat exchanger with one heat exchanger**

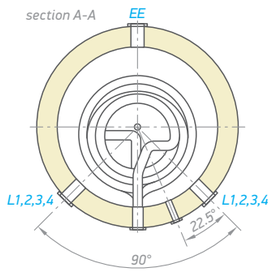
500 L to 1000 L



MODEL		TESY V 11S 500 75 HYG5.0	TESY V 10 S 800 99 HYG5.5 HE EPS	TESY V 10 S 1000 99 HYG5.5 HE EPS
Art.number	№	303534	306827	306828
Nominal capacity buffer tank	L	458	748	838
Net weight	kg	123	174	173
Insulation	mm	50	100	100
Surface hygienic heat exchanger	**m²**	**5,00**	**5,50**	**5,50**
Nominal volume hygienic heat exchanger	L	26,00	28,00	28,00
Heat exchanger surface S1	**m²**	**1,65**	**2,23**	**2,23**
Heat exchanger capacity S1	L	10,00	19,20	19,20
Heat losses ΔT45K	W	95	128	136
Energy efficiency class		C	C	C
Maximum operational temperature of buffer tank	°C	95	95	95
Maximum operational temperature of hygienic heat exchanger	°C	95	95	95
Rated pressure of buffer tank	**bar**	**3**	**3**	**3**
Rated pressure of heat exchanger	bar	6	6	6
Rated pressure of hygienic heat exchanger	bar	10	10	10
Quantity of hot water drawn off at (θc + 30) or above. Tank preheat up to 60°C.	L (DHW flow rate, l/min)	193.3 (30.0)	252.3 (30.0)	332.9 (30.0)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	87.4 (29.2) 376.7 (58.3)	"71.1 (50.0) 302.8 (100.0)	74.0 (50.0) 301.6 (100.0)

Combined buffer tanks | with a **corrugated stainless steel hygienic heat exchanger with one heat exchanger | 500 L to 1000 L**



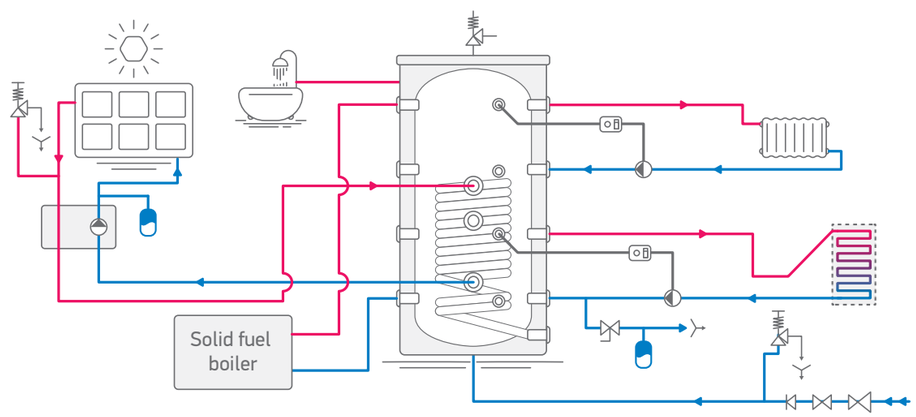


MODELS		TESY V 11S 500 75 HYG5.0	TESY V 10 S 800 99 HYG5.5 HE	TESY V 10 S 1000 99 HYG5.5 HE
CW	cold water inlet	G1	G1 1/4	G1 1/4
HW	hot water outlet	G1	G1 1/4	G1 1/4
IS1	heat exchanger inlet	G1	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1	G1 1/2	G1 1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
AV	opening for air ventilation	G1 1/2	G1 1/2	G1 1/2
L1	level 1	G1 1/2	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 11S 500 75 HYG5.0	TESY V 10 S 800 99 HYG5.5 HE	TESY V 10 S 1000 99 HYG5.5 HE
h	mm	1677	1932	2132
b	mm	820	1053	1092
i	mm	780	780	968
j	mm	307	412	414
k	mm	212	292	294
q	mm	1448	1502	1777
r	mm	1036	1122	1306
s	mm	624	742	835
t	mm	212	362	364
R	mm	1839	1969	2165
ØC	mm	750	990	990
ØD	mm	650	790	790

EXAMPLE OF INSTALLATION AND CONNECTION



COMBINED BUFFER TANKS

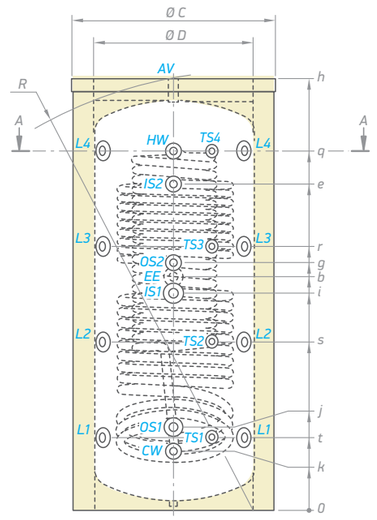
with a **corrugated stainless steel hygienic heat exchanger with two heat exchangers**

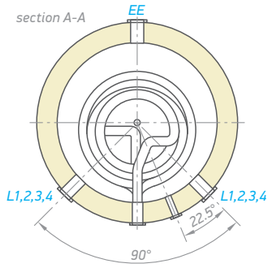
800 L to 1000 L



MODEL		TESY V 10/6 S2 800 99 HYG5.5 HE EPS	TESY V 10/9 S2 1000 99 HYG5.5 HE EPS
Art.number	№	306829	306830
Nominal capacity buffer tank	L	738	827
Net weight	kg	186	192
Insulation	mm	100	100
Surface hygienic heat exchanger	**m²**	**5,50**	**5,50**
Nominal volume hygienic heat exchanger	L	28,00	28,00
Heat exchanger surface S1	**m²**	**2,23**	**2,23**
Heat exchanger capacity S1	L	19,20	19,20
Heat exchanger surface S2	**m²**	**1,00**	**1,54**
Heat exchanger capacity S2	L	5,90	8,70
Heat losses ΔT45K	W	128	136
Energy efficiency class		C	C
Maximum operational temperature of buffer tank	°C	95	95
Maximum operational temperature of hygienic heat exchanger	°C	95	95
Rated pressure of buffer tank	**bar**	**3**	**3**
Rated pressure of hygienic heat exchanger	bar	10	10
Rated pressure of heat exchanger	bar	6	6
Quantity of hot water drawn off at (θc + 30) or above. Tank preheat up to 60°C.	L (DHW flow rate, l/min)	252.3 (30.0)	332.9 (30.0)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	71.1 (50.0) 302.8 (100.0)	74.1 (50.0) 301.6 (100.0)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	112.2 (50.0) 452.4 (100.0)	134.4 (50.0) 563.3 (100.0)

Combined buffer tanks with a **corrugated stainless steel hygienic heat exchanger with two heat exchangers | 800 L to 1000 L**



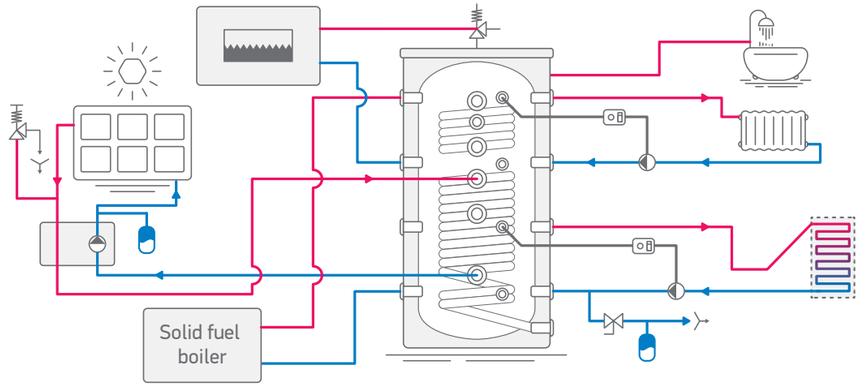


MODEL		TESY V 10/6 S2 800 99 HYG5.5 HE	TESY V 10/9 S2 1000 99 HYG5.5 HE
CW	cold water inlet	G1 1/4	G1 1/4
HW	hot water outlet	G1 1/4	G1 1/4
IS1	heat exchanger inlet	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1	G1
OS2	heat exchanger outlet	G1	G1
TS1	thermo pocket level 1	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2
TS3	thermo pocket level 3	G1/2	G1/2
TS4	thermo pocket level 4	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2
AV	opening for air ventilation	G1 1/2	G1 1/2
L1	level 1	G1 1/2	G1 1/2
L2	level 2	G1 1/2	G1 1/2
L3	level 3	G1 1/2	G1 1/2
L4	level 4	G1 1/2	G1 1/2

Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY V 10/6 S2 800 99 HYG5.5 HE	TESY V 10/9 S2 1000 99 HYG5.5 HE
h	mm	1932	2132
b	mm	1053	1092
i	mm	780	968
j	mm	412	414
k	mm	292	294
q	mm	1502	1777
r	mm	1122	1306
s	mm	742	835
t	mm	362	364
R	mm	1969	2165
ØC	mm	990	990
ØD	mm	790	790

EXAMPLE OF INSTALLATION AND CONNECTION



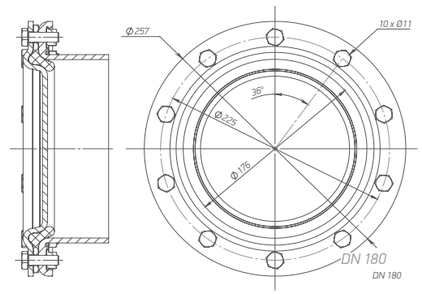
ACCESSORIES

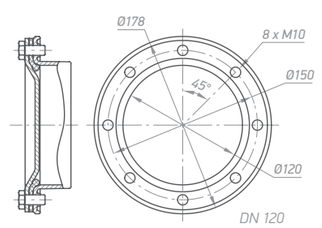
MODEL	Power	Name		Art. №	Description
Electric kits					
Electric kit with cover flange from 160 L to 500 L	3 kW	Electrical Kit 3 kW - PLUG AND PLAY		301456	Package includes: Rubber gasket for flange Cover for flange with socket G 1½" Heating Element 3000 W/230V, L=375mm, G 1½" Thermostat + Thermal cut-off 70 ±5°C / 85 ±5°C Plug (MB3000 ORW1_230V-64)
	3 kW	Electrical Kit 3 kW		301455	Package includes: Rubber gasket for flange Cover for flange with socket G 1½"' Heating Element 3000 W/230V - 3x230V, L= 290mm, G 1½" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C
	4.5 kW	Electrical Kit 4.5 kW		301457	Package includes: Rubber gasket for flange Cover for flange with socket G 1½" Heating Element 4500 W/230V - 3x230V, L=405mm, G 1½" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C
	6 kW	Electrical Kit 6 kW		305620	Package includes: Rubber gasket for flange Cover for flange with socket G 1½" Heating Element 6000 W/230V - 3x230V, L=440mm, G 1½" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C
Electric kit No cover flange from 800 L to 2000 L	4.5 kW	Electrical Kit 4.5 kW		300560	Package includes: Heating Element 4500 W 230V - 3x230V, L=405mm, G 1½" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C
	6 kW	Electrical Kit 6 kW		300562	Package includes: Heating Element 6000 W/230V - 3x230V, L=505mm, G 1½" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C
	7.5 kW	Electrical Kit 7.5 kW		300564	Package includes: Heating Element 7500 W/400V - 3x230V, L=615mm, G 1½" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C
	12 kW	Electrical Kit 12 kW		304313	Package includes: Heating Element 12000 W/400V - 3x230V, L=520mm, G2" Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C

ACCESSORIES

MODEL	Name		Art. №	Description
Cover for flange with socket for heating element				
From 160 L to 500 L	Flange kit		301459	Package includes: Rubber gasket for flange Cover for flange with socket G 1½" Flange type DN 120 - 8 Bolt holes
From 800 L to 2000 L	Flange kit		305497	Package includes: Rubber gasket for flange Cover for flange with socket G2" Flange type DN 180 - 10 Bolt holes
From 800 L to 2000 L	Flange kit		305496	Package includes: Rubber gasket for flange Cover for flange with socket G 1½" Flange type DN 180 - 10 Bolt holes

Flange type	Applicable for tanks with volume
DN 120	From 160 L to 500 L
DN 180	From 800 L to 2000 L

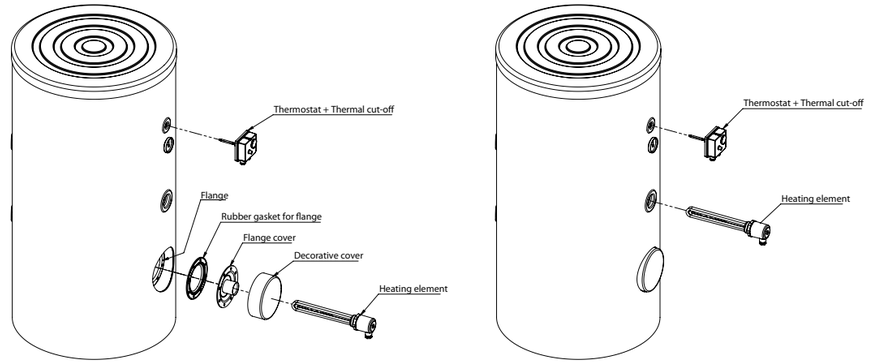




ACCESSORIES

MODEL	Power	Name		Art. №	Description
Heating elements					
From 160 L to 500 L	3 kW	Electric heating element 3 kW- PLUG AND PLAY		300910	Heating element 3000 W/230V, G 1½" Integrated Thermostat + Thermal cut-off 70 ±5°C / 85 ±5°C Plug (MB3000 ORW1_230V-64)
	3 kW	Electrical heating element 3 kW		300570	HE 3000 W/230 V 3 phase, L= 290mm, G 1½"
	4.5 kW	Electrical heating element 4.5 kW		300571	HE 4500 W/230 V 3 phase, L= 405mm, G 1½"
	6 kW	Electrical heating element 6 kW		305618	HE 6000 W/230 V 3 phase, L= 440mm, G 1½"
From 800 L to 2000 L	6 kW	Electrical heating element 6 kW		300573	HE 6000 W/230 V 3 phase, L= 505mm, G 1½"
	7.5 kW	Electrical heating element 7.5 kW		300575	HE 7500 W/400 V 3 phase, L= 615mm, G 1½"
	12 kW	Electrical heating element 12 kW		300569	HE 12000 W/400 V 3 phase, L= 520mm, G 2"
Heating elements with integrated Thermostat + Thermal cut-off					
From 160 L to 500 L	3kW	Electrical heating element 3 kW		305558	HE 3000W/230V 3 phase, L= 290mm, G 1½", IP 65
	4.5kW	Electrical heating element 4.5 kW		305364	HE 4500W/230V 3 phase, L= 405mm, G 1½", IP 65
	6kW	Electrical heating element 6 kW		305365	HE 6000W/230V 3 phase, L= 440mm, G 1½", IP 65
From 800 L to 2000 L	7.5kW	Electrical heating element 7.5 kW		305366	HE 7500W/400V 3 phase, L= 615mm, G 1½", IP 65
From 120 L to 160 L Indirectly heated water tanks under gas boliers	3kW	Heating Element HCWH 3KW UGT		305619	HE 3000W/230V 3 phase, L= 700mm, G1 1/2, IP 65
Combined teperature control units					
From 160 L to 500 L		Combined Control Unit		300592	Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C / IP43
From 800 L to 2000 L		Combined Control Unit		300593	Thermostat + Thermal cut-off, capillary 75±4°C / 95 +0/-6°C / IP43

ACCESSORIES





NOTES

Tesy Ltd.
Sofia Park, Building 16 V, 2nd Floor
1166 Sofia, Bulgaria

tesy.com

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For specific models, please contact your dealer.
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The weights indicated in this catalogue are net values for reference purposes only. Actual product weights may vary due to production tolerances.

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