

DOMESTIC HOT WATER TANKS

with two heat exchangers

160 L to 500 L

CLASS B

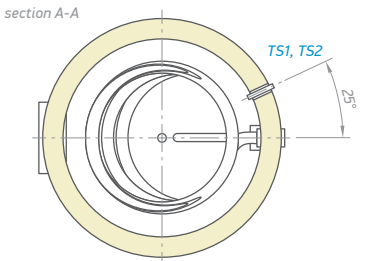
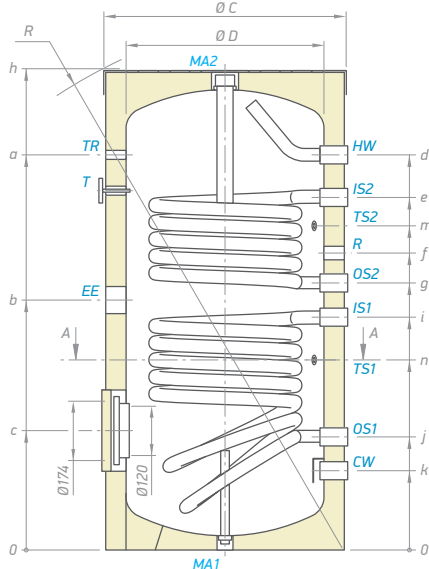
CLASS C



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	Nº	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 80º	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 80º	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 80º	L	239	280	471	583	678
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80º	L	106	136	207	258	294
Reheat time 10-60°C* rate at primary side (S1) Coil 80º	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 80º	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 228-11

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

