

DOMESTIC HOT WATER TANKS

with two heat exchangers

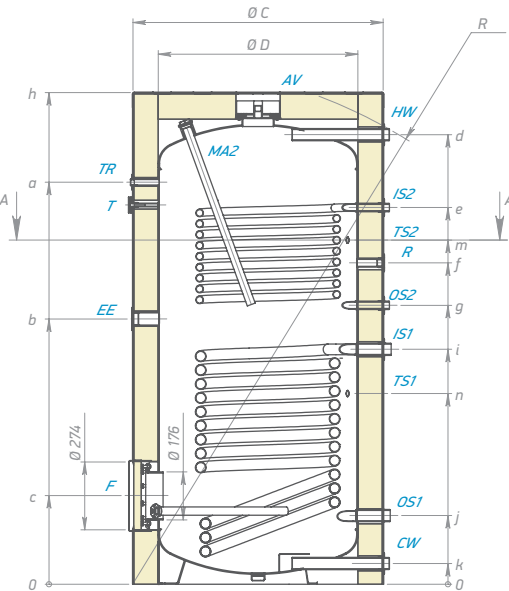
800 L to 2000 L
CLASS C



MODEL		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
Art.number	Nº	306391	306393	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 80º	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 80º	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 80º	L	1095	1403	1934	2785
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80º	L	447	604	714	940
Reheat time 10-60°C* rate at primary side (S1) Coil 80º	min (l/min)	49 (50.0)	50 (50.0)	45 (100)	57 (100)
Reheat time 10-60°C* rate at primary side (S2) Coil 80º	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)

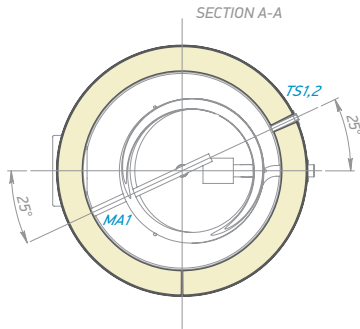
* 10°C - cold water temperature, 60°C - hot water temperature (domestic water)

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

