

DOMESTIC HOT WATER TANKS
for heat pump systems

with one double high output
heat exchanger

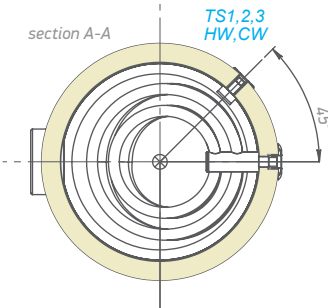
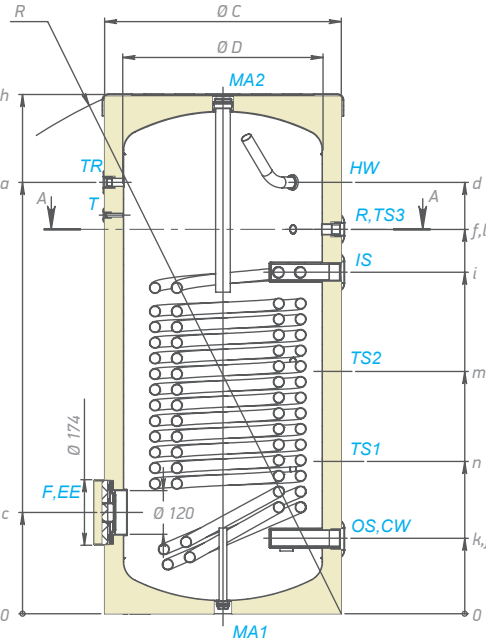
160 L
to
500 L



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	Nº	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	1590
a	mm	791	996	1184	1184	1169
c	mm	270	264	278	278	273
d	mm	791	996	1184	1184	1172
f	mm	602	794	1055	953	857
i	mm	712	919	936	1120	1118
j	mm	207	202	206	206	215
k	mm	207	202	206	206	225
n	mm	289	360	398	398	449
m	mm	499	633	691	691	779
l	mm	699	897	1055	1055	1060
R	mm	1169	1340	1560	1560	1590
ØC	mm	600	600	650	650	750
ØD	mm	500	500	550	550	650

EXAMPLE OF INSTALLATION AND CONNECTION

