

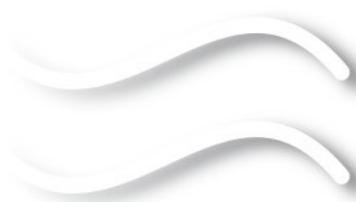
Profi line catalogue

TESY

the **comfort** generation



# Content: page



## COMBINED AND INDIRECT HEATED STORAGE WATER HEATERS

### 1. Combined water heater - direct and indirect heated (up to 150 liters).

- Vertical storage water heaters with one heat exchanger.
- Vertical storage water heaters with two heat exchangers.
- Horizontal storage water heaters with one heat exchanger.

### 2. Indirect heated storage water heaters (200 to 2000 liters).

- Indirect heated storage water heaters with one heat exchanger.
- Indirect heated storage water heaters with two heat exchangers.

### 3. Buffers.

- Buffer tanks for central heating systems.
- Buffer tanks for domestic hot water.

### 4. Accessories.

## FLAT PLATE SOLAR COLLECTORS

- Flat solar collectors with selective absorber.
- Accessories.

## GAS BOILERS

- Wall-hung gas boilers (non condensing).
- Certificates.
- Wall-hung gas boilers (condensing).
- Accessories.

## COMPLETE SOLAR SYSTEMS

- Solo systems.
- Combi systems.
- Combi compact system.

## WIRELESS CENTRAL HEATING SYSTEM TESY

- Wireless single zone central heating system.
- Wireless multiple zone central heating system.

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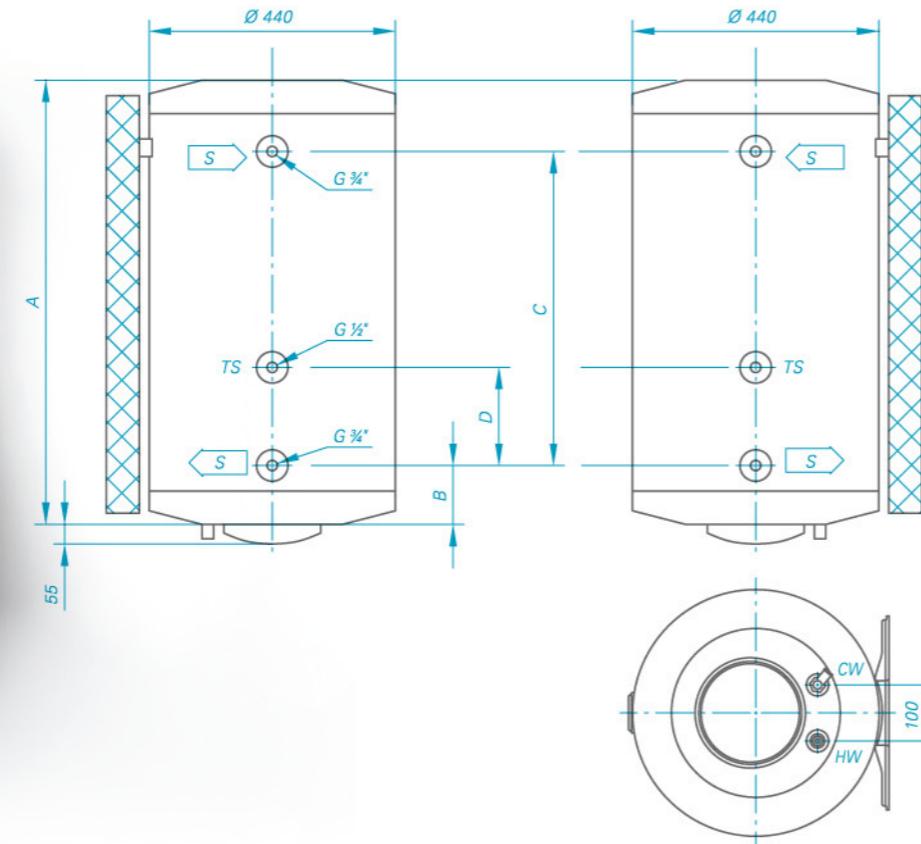
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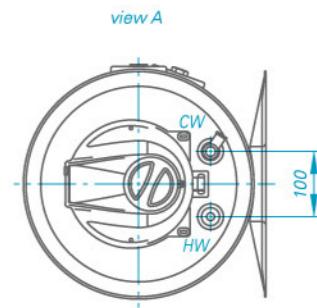
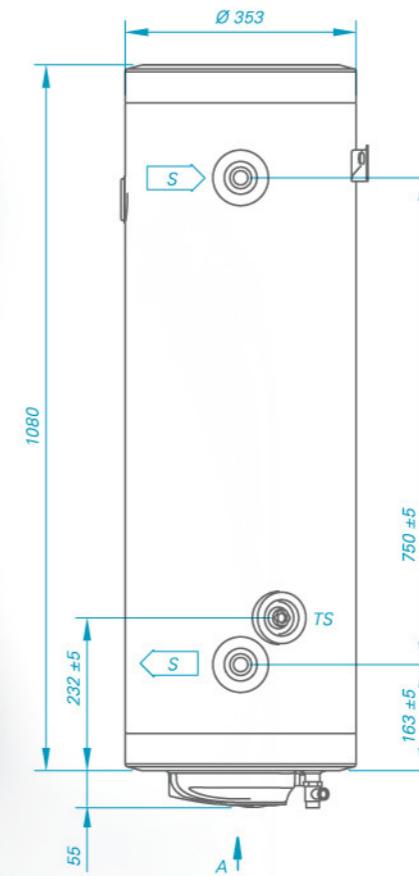
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Combined water heater - direct and indirect heated (up to 150 liters)

## Vertical storage water heaters with one heat exchanger



Dimensions: GCVSL / GCVS



TS - thermosensor, G ½"- female  
S - heat exchange, G ¾"- male  
CW - cold water inlet, G ½"- male  
HW - hot water outlet, G ½"- male

MODEL		TESY GCV9S (L) 12045 15/20/30 A03 TSRP	TESY GCV9S (L) 15045 15/20/30 A03 TSRP	MODEL		TESY GCV15S (L) 8036 15/20 A03 TSP
Art. number	Nº	1143/1144	1145/1146	Art. number	Nº	3351/3352
Capacity	l	120	150	Capacity	l	70
Insulation	mm	18	18	Insulation	mm	18
Rated voltage / frequency	V / Hz	230 / 50	230 / 50	Rated voltage / frequency	V / Hz	230 / 50
Electrical resistance heating element	W	1500; 2000; 3000	1500; 2000; 3000	Electrical resistance heating element	W	1500; 2000
Heat exchanger surface	m²	0.7	0.7	Heat exchanger surface	m²	0.78
Heat exchanger capacity	l	3.19	3.19	Heat exchanger capacity	l	3.6
Exchanged power in continuous mode (max coil output) *60-80°C	kW	18.8	19.3	Exchanged power in continuous mode (max coil output) *60-80°C	kW	28.2
Continuous flow rate of DHW at ΔT 35°C *60-80°C	l/h	462	480	Continuous flow rate of DHW at ΔT 35°C *60-80°C	l/h	696
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off	l	98	127	Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off	l	84
Maximum operational temperature	°C	85	85	Maximum operational temperature	°C	85
Rated pressure of the water tank	bar	8	8	Rated pressure of the water tank	bar	8
Rated pressure of the heat exchanger	bar	6	6	Rated pressure of the heat exchanger	bar	6
NL factor		<1	<1	NL factor		<1
Minimum time of heating *80°C - **15/60°C	min	22	26	Minimum time of heating *80°C - **15/60°C	min	13
Thermo pocket	pieces	1	1	Thermo pocket	pieces	1

Dimensions [mm, ±5]

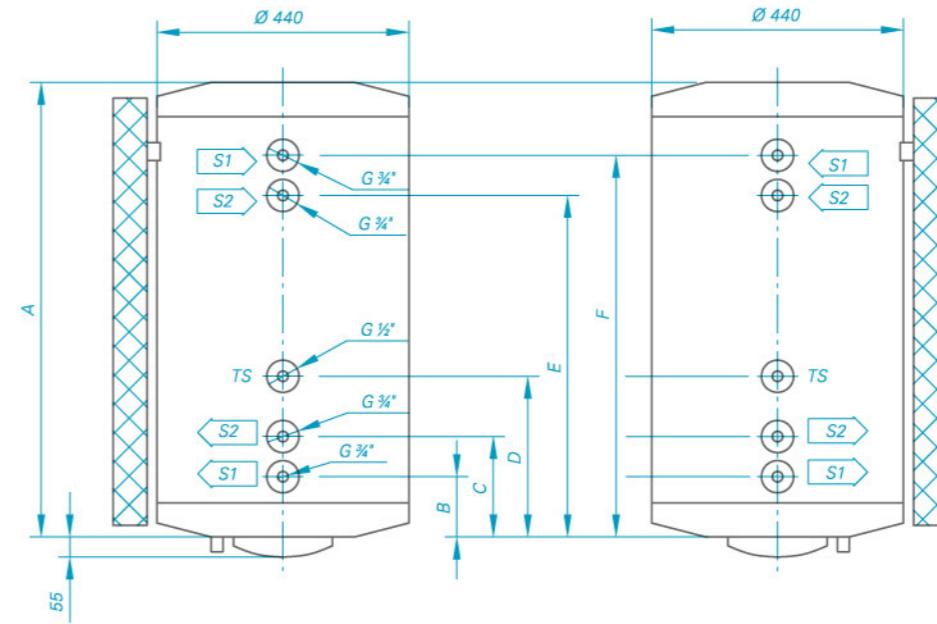
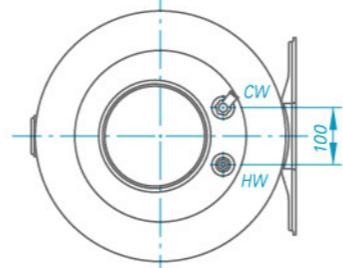
A [mm]	1025	1247
B [mm]		182
C [mm]	445	445
D [mm]		150

- GCV9S models with right position of heat exchanger outlets
- GCV9SL models with left position of heat exchanger outlets
- All GCV9S and GCV9SL are equipped with a FLANGE and long-lasting MAGNESIUM ANODE PROTECTOR
- \* - outlet - inlet temperature of the heat transfer fluid
- \*\* - 15 - cold water temperature, 60 - hot water temperature(domestic water)

The design and the technical data specified in the catalogue are subject of change without notice.

- GCV15S models with right position of heat exchanger outlets
- GCV15SL models with left position of heat exchanger outlets
- All GCV15S and GCV15SL are equipped with a FLANGE and long-lasting MAGNESIUM ANODE PROTECTOR
- \* - outlet - inlet temperature of the heat transfer fluid
- \*\* -15 - cold water temperature, 60 - hot water temperature(domestic water)

## Vertical storage water heaters with two heat exchangers



TS - thermosensor, G ½"-female  
CW - cold water inlet, ½"-male  
HW - hot water outlet, ¼"-male

MODEL		TESY GCV7/4S2 (L) 100 45 15/20/30 A03 TSRP	TESY GCV7/4S2 (L) 120 45 15/20/30 A03 TSRP	TESY GCV7/4S2 (L) 150 45 15/20/30 A03 TSRP
Art. number	Nº	3301/3302	3303/3304	3305/3306
Capacity	l	90	110	140
Insulation	mm	18	18	18
Rated voltage / frequency	V / Hz	230 / 50	230 / 50	230 / 50
Electrical resistance heating element	W	1500; 2000; 3000	1500; 2000; 3000	1500; 2000; 3000
Heat exchanger surface S1	m²	0.5	0.5	0.5
Heat exchanger surface S2	m²	0.3	0.3	0.3
Heat exchanger capacity S1	l	2.51	2.51	2.51
Heat exchanger capacity S2	l	1.52	1.52	1.52
Exchanged power in continuous mode (max coil output) S1 *60-80°C	kW	12.2	13.3	14.8
Exchanged power in continuous mode (max coil output) S2 *60-80°C	kW	7.8	8.1	8.5
Continuous flow rate of DHW at ΔT 35°C (S1) *60-80°C	l/h	306	330	354
Continuous flow rate of DHW at ΔT 35°C (S2) *60-80°C	l/h	192	201	210
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S1)	l	103	121	147
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S2)	l	91	110	137
Maximum operational temperature	°C	85	85	85
Rated pressure	bar	8	8	8
Rated pressure of the heat exchanger	bar	6	6	6
NL factor S1		<1	<1	<1
NL factor S2		<1	<1	<1
Minimum time of heating S1 *80°C - **15/60°C	min.	36	38	42
Minimum time of heating S2 *80°C - **15/60°C	min.	48	54	54
Thermo pocket	pieces	1	1	1

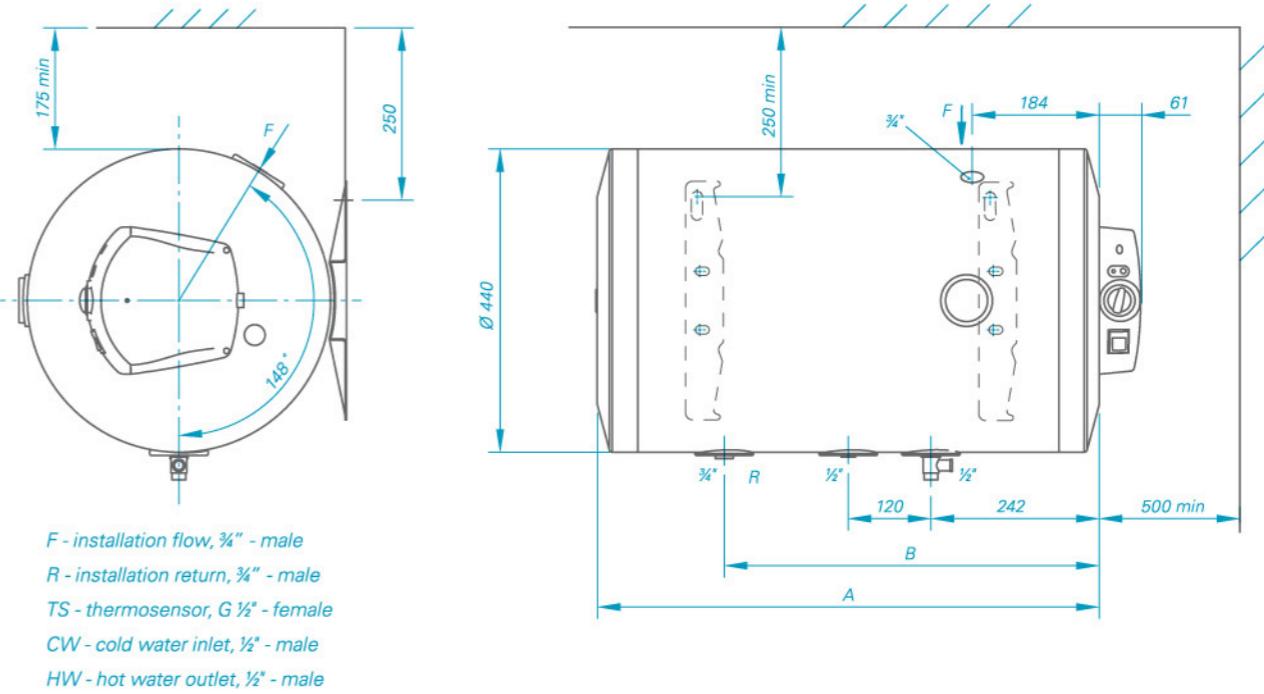
Dimensions [mm, ±5]

A [mm]	876	1025	1247
B [mm]	186	186	186
C [mm]	284	284	284
D [mm]	374	374	374
E [mm]	588	588	588
F [mm]	690	690	690

- GCV4/7S2 models with right position of heat exchanger outlets
- GCV4/7S2L models with left position of heat exchanger outlets
- All GCV15S2 and GCV15S2L are equipped with a FLANGE and long-lasting MAGNESIUM ANODE PROTECTOR
- \* - outlet - inlet temperature of the heat transfer fluid
- \*\* - 15 - cold water temperature, 60 - hot water temperature / (domestic water)

Combined water heater - direct and indirect heated (up to 150 liters)

## Horizontal storage water heaters with one heat exchanger

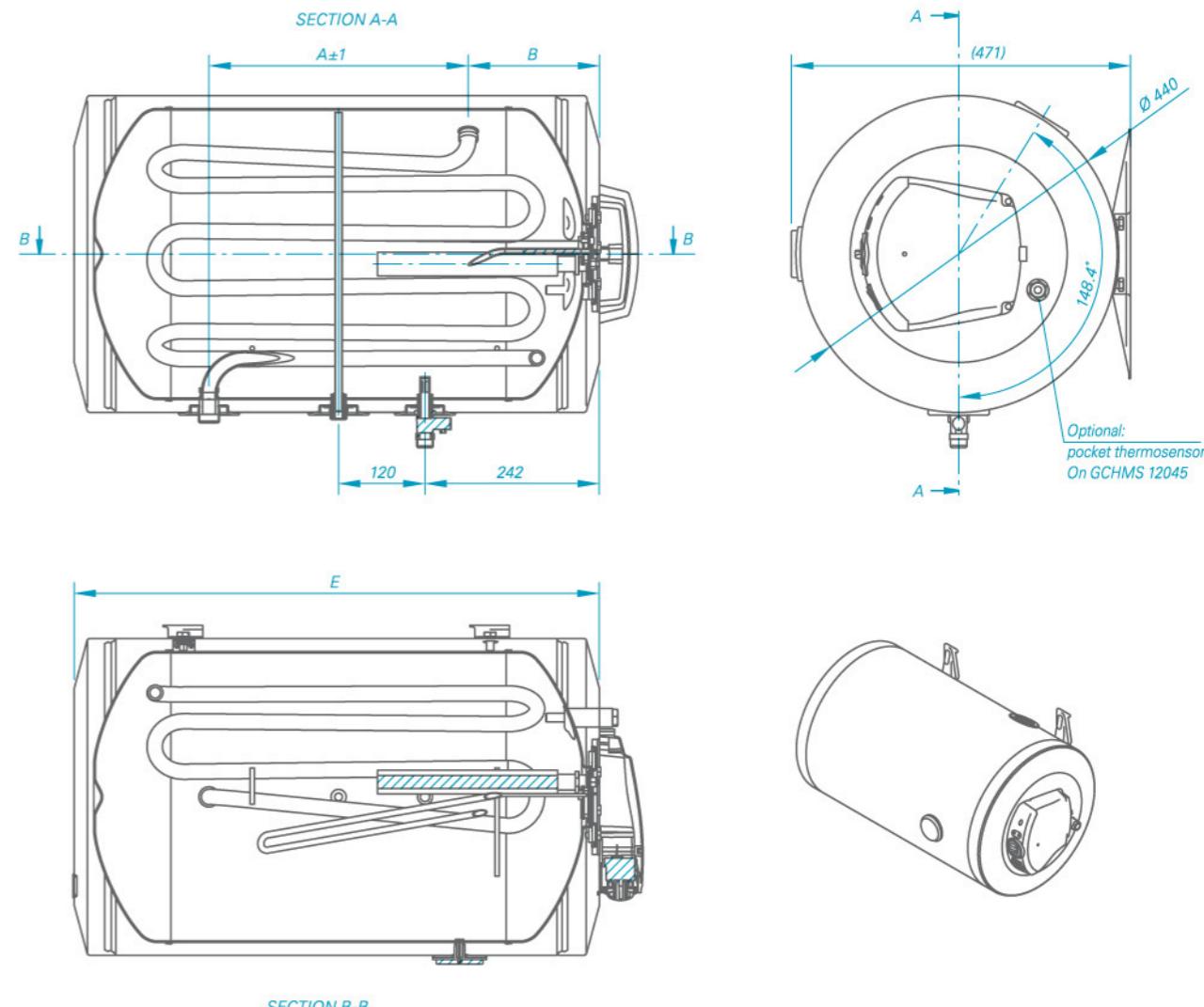


MODEL		TESY GCHMS 12045 15/20/30 A04 TSRP
Art. number	Nº	1122
Capacity	l	120
Insulation	mm	18
Rated voltage / frequency	V / Hz	230 / 50
Rated power (Electrical resistance heating element)	W	1500; 2000; 3000
Heat exchanger surface	$m^2$	0.34
Heat exchanger capacity	l	1.16
Exchanged power in continuous mode (max coil output) *60-80°C	kW	8.5
Continuous flow rate of DHW at $\Delta T$ 35°C *60-80°C	l/h	210
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off	l	107
Maximum operational temperature	°C	85
Rated pressure of the water tank	bar	8
Rated pressure of the heat exchanger	bar	6
NL factor		<1
Minimum time of heating *80-15/60	min.	45
Thermo pocket	pieces	1

- GCHMS models with right position of heat exchanger outlets
- All GCV15S2 and GCV15S2L are equipped with a FLANGE and long - lasting MAGNESIUM ANODE PROTECTOR
- \* - outlet - inlet temperature of the heat transfer fluid
- \*\* - 15 - cold water temperature, 60 - hot water temperature /domestic water)

Dimensions [mm, ±5]

A [mm]	511
B [mm]	185
E [mm]	1025



## Indirect heated storage water heaters (200 to 500 liters)



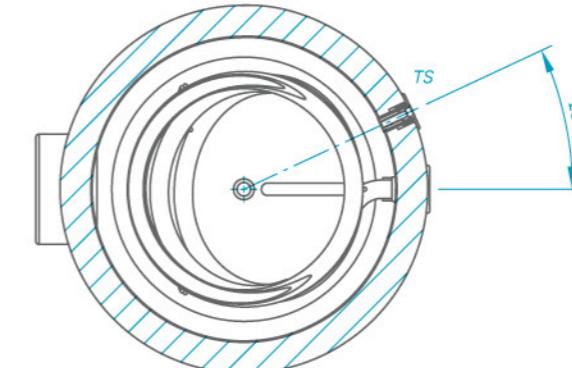
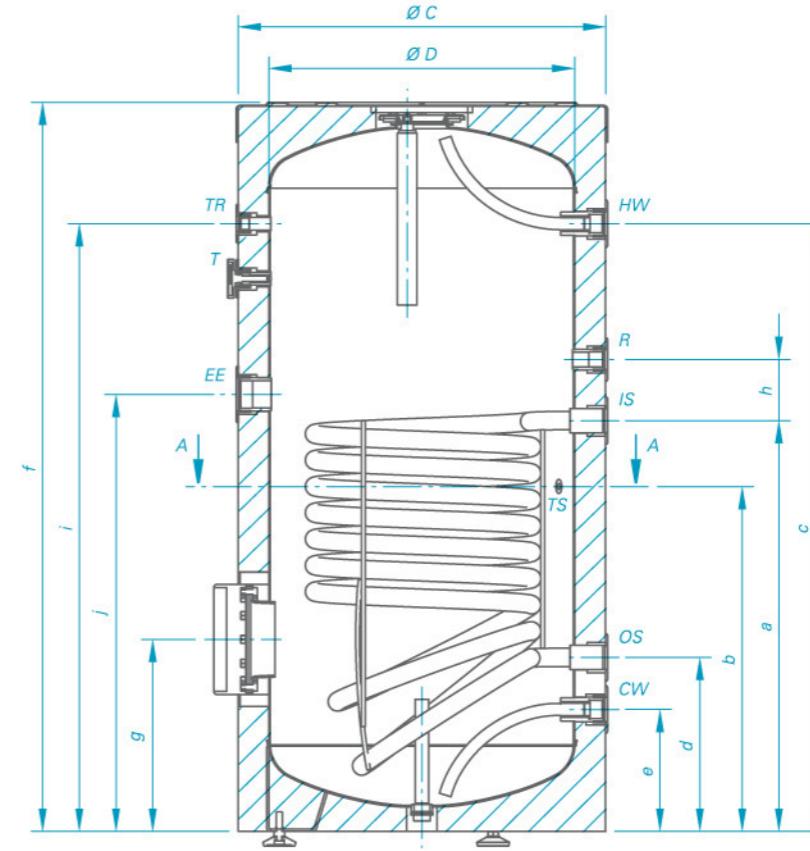
## Indirect heated storage water heaters with one heat exchanger



Dimensions [mm, ±5]

a [mm]	671	804	944
b [mm]	564	653	750
c [mm]	993	1207	1448
d [mm]	284	288	299
e [mm]	199	203	214
f [mm]	1200	1420	1674
g [mm]	314	314	324
h [mm]	100	206	255
i [mm]	993	1207	1448
j [mm]	714	846	986
Ø C [mm]	600	650	750
Ø D [mm]	500	550	650

MODEL	TESY EV 9S 200 60 F40 TP	TESY EV 12S 300 65 F41 TP	TESY EV 15S 500 75 F42 TP
Art. number	Nº 3201	3202	3203
Capacity	l 200	300	500
Net weight	kg 65	92	145
Insulation (Rigid PU)	mm 50	50	50
Heat exchanger surface S1	m² 0.96	1.45	2.25
Heat exchanger surface S2	m² -	-	-
Heat exchanger capacity S1	l 5.8	8.8	13.7
Heat exchanger capacity S2	l -	-	-
Exchanged power in continuous mode (max coil output)			
S1 *60-80°C / 70-90°C	kW 32/40	40/53	61/73
Exchanged power in continuous mode (max coil output)			
S2 *60-80°C / 70-90°C	kW -	-	-
Continuous flow rate of DHW at ΔT 35°C (S1) *60-80°C / 70-90°C	l/h 768/955	882/1248	1500/1795
Continuous flow rate of DHW at ΔT 35°C (S2) *60-80°C / 70-90°C	l/h -	-	-
Maximum quantity of drawn off water MIX 45°C (**15-60°C)			
Power input cut off (S1)	l 240	330	553
Maximum quantity of drawn off water MIX 45°C (**15-60°C)			
Power input cut off (S2)	l -	-	-
Heat losses ΔT 45K	kWh/24h 2.5	2.7	2.9
Maximum operational temperature	°C 95	95	95
Rated pressure of the water tank	bar 8	8	8
Rated pressure of the heat exchanger	bar 6	6	6
NL factor S1		4.3	8.1
NL factor S2		-	-
Minimum time of heating S1 *80°C-**15/60°C	min 38	40	41
Minimum time of heating S2 *80°C-**15/60°C	min -	-	-
Thermo pocket	pieces 1	1	1



SECTION A-A

CW - cold water inlet, G 1"- female

R - recirculation, G ¾" - female

HW - hot water outlet, G 1"- female

EE - opening for electrical element, G 1½" - female

IS - solar installation flow, G 1"- female

T - external thermometer, G ½" - female

OS - solar installation return, G 1"-female

TR - opening for thermoregulator, G ½" - female

TS - thermosensor, G ½" - female

► \* - outlet - inlet temperature of the heat transfer fluid

► \*\* - 15 - cold water temperature, 60 - hot water temperature (domestic water)

## Indirect heated storage water heaters (800 to 1000 liters)

## Indirect heated storage water heaters with one heat exchanger



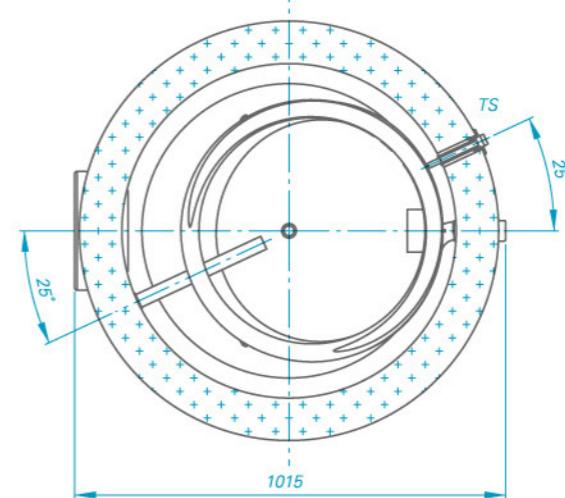
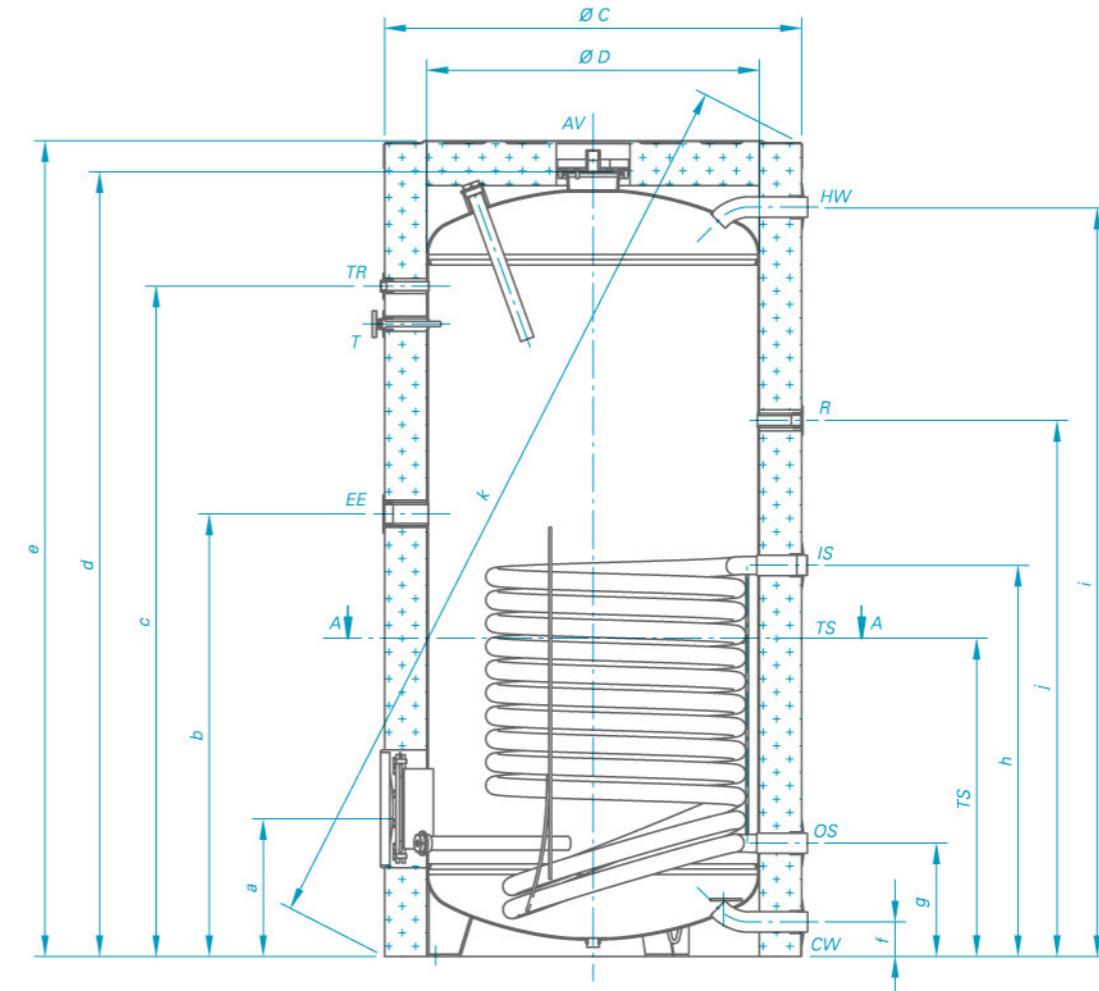
Dimensions [mm, ±5]

a [mm]	351	354
b [mm]	1051	1132
c [mm]	1592	1475
d [mm]	1822	1894
e [mm]	1937	2002
f [mm]	82.5	81.5
g [mm]	269	272
h [mm]	929	987
i [mm]	1273	1274
j [mm]	1780	1846
k [mm]	2012	2097
TS [mm]	756	830
Ø D [mm]	790	850
Ø C [mm]	990	1050

MODEL	TESY EV 12S 800 99 F43 TP	TESY EV 13S 1000 105 F44 TP
Art. number	Nº	3204
Capacity	l	800
Net weight	kg	221
Insulation (Soft PU)	mm	100
Heat exchanger surface S1	m²	2.89
Heat exchanger surface S2	m²	-
Heat exchanger capacity S1	l	26.2
Heat exchanger capacity S2	l	-
Exchanged power in continuous mode (max coil output) S1 *60-80/70-90°C	kW	79.8/103.7
Exchanged power in continuous mode (max coil output) S2 *60-80/70-90°C	kW	-
Continuous flow rate of DHW at ΔT 35°C (S1)*60-80/70-90°C	l/h	1963.1/2551
Continuous flow rate of DHW at ΔT 35°C (S2)*60-80/70-90°C	l/h	-
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S1)	l	845
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S2)	l	-
Heat losses ΔT 45K	kWh/24h	3.7
Maximum operational temperature	°C	95
Rated pressure of the water tank	bar	8
Rated pressure of the heat exchanger	bar	6
NL factor S1		30
NL factor S2		-
Minimum time of heating S1 *80°C - **15/60°C	min.	40
Minimum time of heating S2 *80°C - **15/60°C	min.	-
Thermo pocket	pieces	1

► \* - outlet - inlet temperature of the heat transfer fluid

► \*\* - 15 - cold water temperature, 60 - hot water temperature (domestic water)



SECTION A-A

CW - cold water inlet, G 1½"- male

HW - hot water outlet, G 1½"- male

IS - solar installation flow, G 1½"- male

OS - solar installation return, G 1½"- male

TS - thermosensor, G ½"- female

R - recirculation, G ¾"- female

EE - opening for electric element, G 1½"- female

T - external thermometer, G ½"- female

TR - opening for thermoregulator, G ½"- female

AV - opening for air ventilation, G ¾"- female

## Indirect heated storage water heaters (1500 to 2000 liters)

## Indirect heated storage water heaters with one heat exchanger



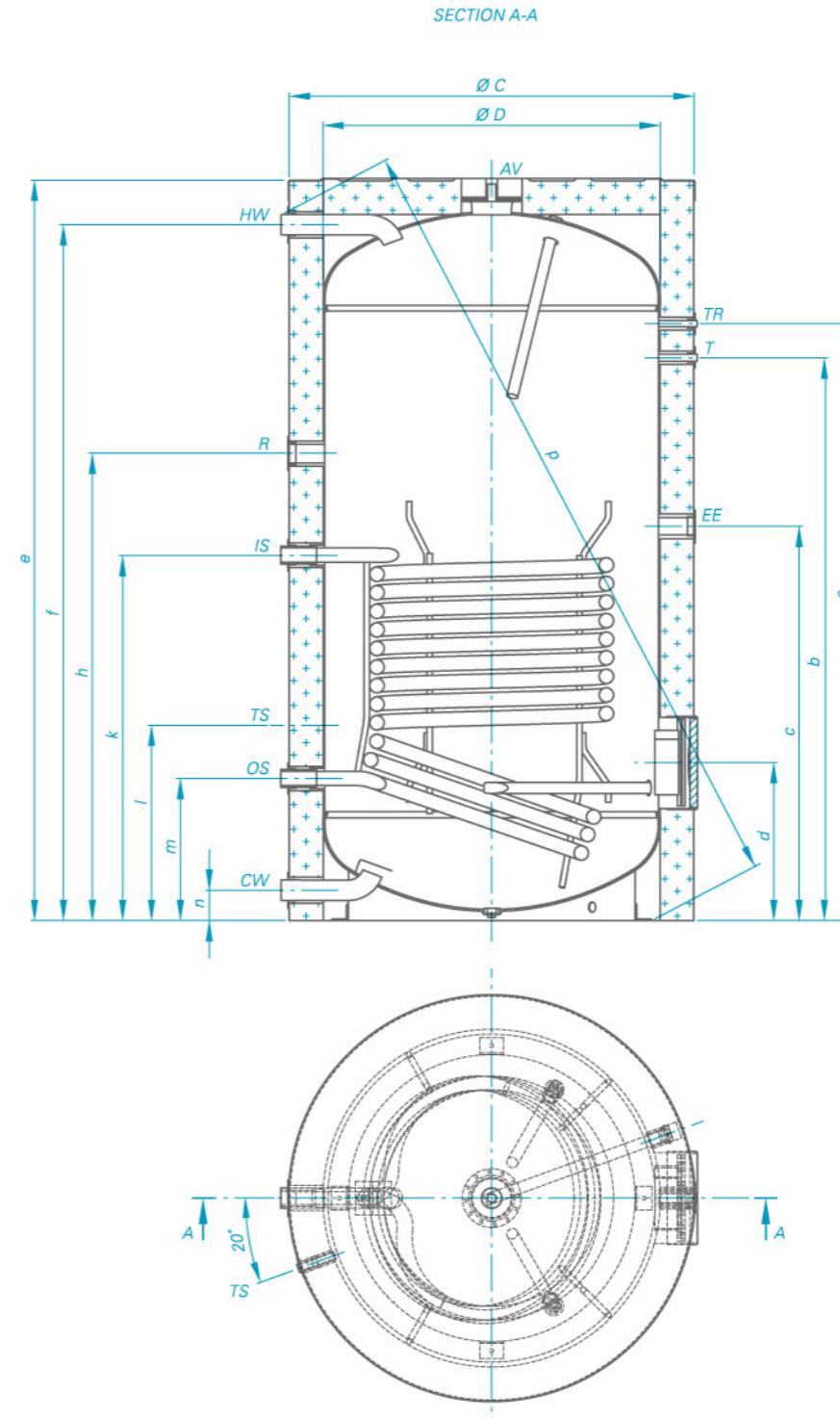
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c [mm]	1168	1287
d [mm]	468	497
e [mm]	2193	2399
f [mm]	2061	2263
h [mm]	1378	1560
k [mm]	1081	1244
l [mm]	579	587
m [mm]	421	420
n [mm]	90	90
p [mm]	2361	2565
Ø C [mm]	1200	1300
Ø D [mm]	1000	1100

MODEL	TESTY EV 12S 1500 120 F45 TP	TESTY EV 15S 2000 130 F46 TP
Art. number	Nº	-
Capacity	l	1500
Net weight	kg	382
Insulation (Soft PU)	mm	100
Heat exchanger surface S1	m²	3.3
Heat exchanger surface S2	m²	-
Heat exchanger capacity S1	l	30.4
Heat exchanger capacity S2	l	-
Exchanged power in continuous mode (max coil output) S1 *60-80/70-90°C	kW	142 / 182
Exchanged power in continuous mode (max coil output) S2 *60-80/70-90°C	kW	-
Continuous flow rate of DHW at ΔT 35°C (S1)*60-80/70-90°C	l/h	58 / 75
Continuous flow rate of DHW at ΔT 35°C (S2)*60-80/70-90°C	l/h	-
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S1)	l	1645
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S2)	l	-
Heat losses ΔT 45K	kWh/24h	6.7
Maximum operational temperature	°C	95
Rated pressure of the water tank	bar	8
Rated pressure of the heat exchanger	bar	6
Thermo pocket	pieces	1

► \* - outlet - inlet temperature of the heat transfer fluid

► \*\* - 15 - cold water temperature, 60 - hot water temperature (domestic water)



## Indirect heated storage water heaters (200 to 500 liters)

## Vertical storage water heaters with two heat exchangers

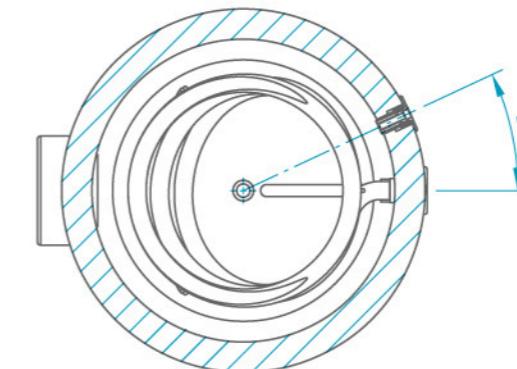
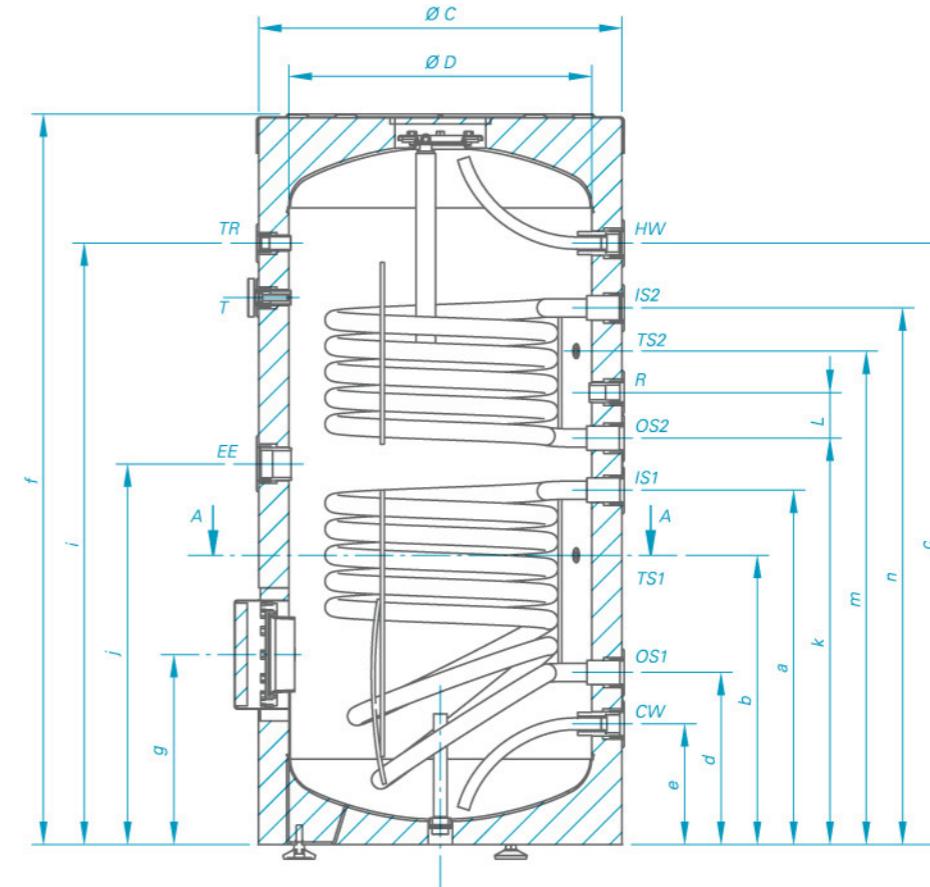


Dimensions [mm, ±5]

a [mm]	585	718	944
b [mm]	478	610	750
c [mm]	993	1207	1448
d [mm]	284	288	299
e [mm]	199	203	214
f [mm]	1200	1420	1674
g [mm]	314	314	324
h [mm]	-	-	-
i [mm]	993	1207	1448
j [mm]	628	760	986
k [mm]	671	803	1029
l [mm]	75	100	136
m [mm]	815	996	1265
n [mm]	886	1104	1330
Ø C [mm]	600	650	750
Ø D [mm]	500	550	650

MODEL		TESY EV 7/5S 200 60 F40 TP2	TESY EV 10/7S2 300 65 F41 TP2	TESY EV 15/7S2 500 75 F42 TP2
Art. number	Nº	3221	3222	3223
Capacity	l	200	300	500
Net weight	kg	70	100	158
Insulation (Rigid PU)	mm	50	50	50
Heat exchanger surface S1	m²	0.75	1.21	2.25
Heat exchanger surface S2	m²	0.54	0.85	1.06
Heat exchanger capacity S1	l	4.6	7.4	13.7
Heat exchanger capacity S2	l	3.3	5.2	6.4
Exchanged power in continuous mode (max coil output)				
S1 *60-80/70-90°C	kW	23/30	34/46	61/73
Exchanged power in continuous mode (max coil output)				
S2 *60-80/70-90°C	kW	13/20	25/33	35/47
Continuous flow rate of DHW at ΔT 35°C (S1)*60-80/70-90°C	l/h	558/648	792/1092	1500/1795
Continuous flow rate of DHW at ΔT 35°C (S2)*60-80/70-90°C	l/h	318/468	594/785	785/1002
Maximum quantity of drawn off water MIX 45°C (**15-60°C)				
Power input cut off (S1)	l	225	302	510
Maximum quantity of drawn off water MIX 45°C (**15-60°C)				
Power input cut off (S2)	l	111	151	250
Heat losses ΔT 45K	kWh/24h	2.5	2.7	2.9
Maximum operational temperature	°C	95	95	95
Rated pressure	bar	8	8	8
Rated pressure of the heat exchanger	bar	6	6	6
NL factor S1		4.1	8	18
NL factor S2		1	1.4	3
Minimum time of heating S1 *80°C - **15/60°C	min.	39	40	42
Minimum time of heating S2 *80°C - **15/60°C	min.	39	39	39
Thermo pockets	pieces	2	2	2

The design and the technical data specified in the catalogue are subject of change without notice.



SECTION A-A

- CW - cold water inlet, G 1"- female  
 HW - hot water outlet, G 1"- female  
 OS2 - central heating return, G 1"- female  
 IS1 - solar installation flow, G 1"- female  
 OS1 - solar installation return, G 1"- female  
 R - recirculation, G ¾"- female  
 T - external thermometer, G ½"- female  
 TS1 - thermosensor 1, G ½"- female  
 TR - opening for thermoregulator, G ½"- female

► \* - outlet - inlet temperature of the heat transfer fluid  
 ► \*\* - 15 - cold water temperature, 60 - hot water temperature (domestic water)

## Indirect heated storage water heaters (800 to 1000 liters)



## Indirect heated storage water heaters with two heat exchangers



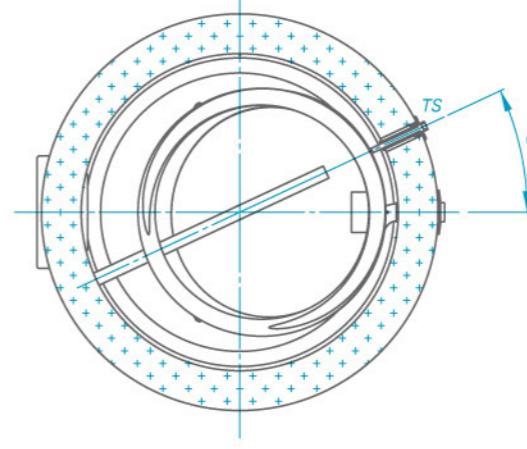
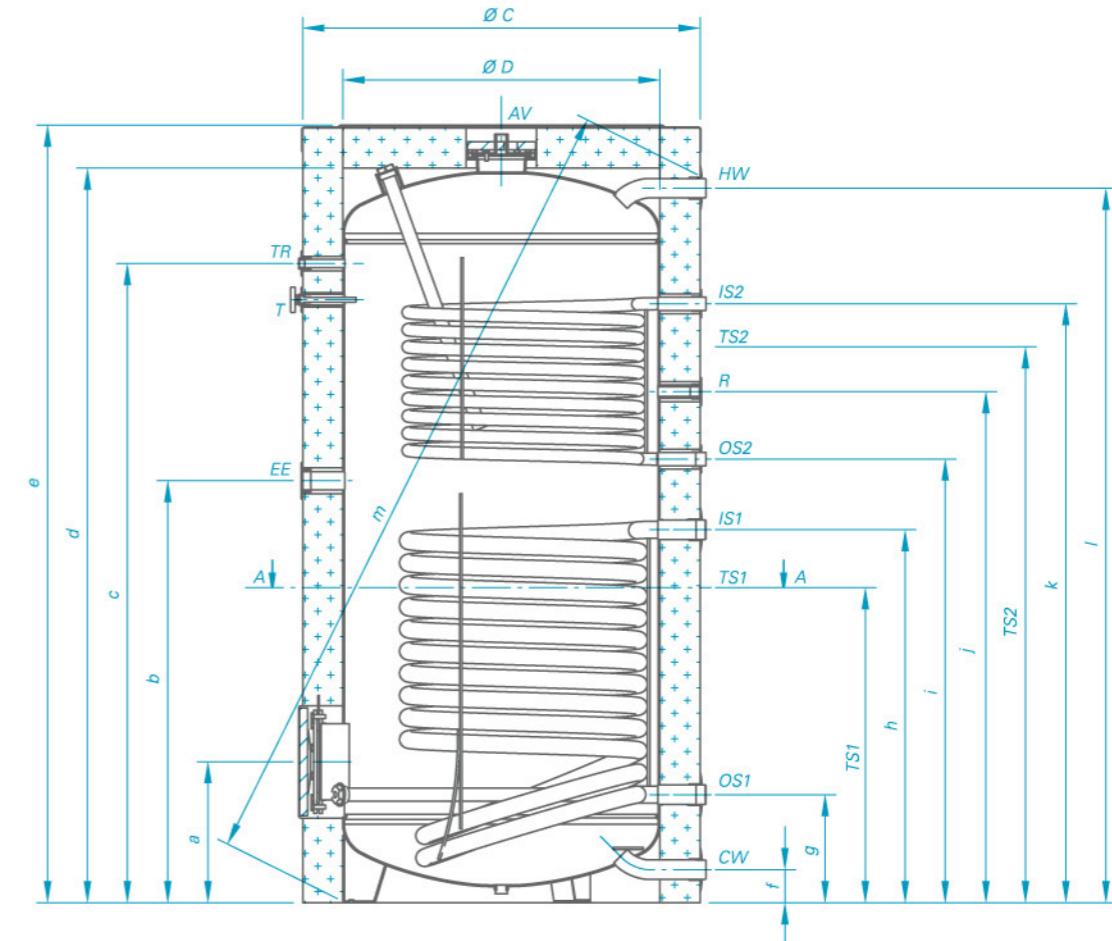
Dimensions [mm, ±5]

a [mm]	351	354
b [mm]	1051	1132
c [mm]	1592	1475
d [mm]	1830	1895
e [mm]	1937	2002
f [mm]	82.5	81.5
g [mm]	269	272
h [mm]	929	987
i [mm]	1105	1174
j [mm]	1273	1274
k [mm]	1492	1475
l [mm]	1778	1847
m [mm]	2014	2100
TS1 [mm]	756	817
TS2 [mm]	1363	1374
Ø D [mm]	790	850
Ø C [mm]	900	1050

MODEL		TESY EV 12/9S2 800 99 F43 TP2	TESY EV 13/7S2 1000 105 F44 TP2
Art. number	Nº	3224	3225
Capacity	l	800	1000
Net weight	kg	252	279
Insulation (Soft PU)	mm	100	100
Heat exchanger surface S1	m²	2.89	3.45
Heat exchanger surface S2	m²	1.54	1.31
Heat exchanger capacity S1	l	26.2	31.3
Heat exchanger capacity S2	l	9.4	7.9
Exchanged power in continuous mode (max coil output) S1 *60-80/70-90°C	kW	79.8/103.7	95.2/123.8
Exchanged power in continuous mode (max coil output) S2 *60-80/70-90°C	kW	45/55.3	36.2/47
Continuous flow rate of DHW at ΔT 35°C (S1)*60-80/70-90°C	l/h	1963.1/2551	2341.9/3045.5
Continuous flow rate of DHW at ΔT 35°C (S2)*60-80/70-90°C	l/h	1107/1360.4	890.5/1156.2
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S1)	l	823	503
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S2)	l	401	1055
Heat losses ΔT 45K	kWh/24h	3.7	4.3
Maximum operational temperature	°C	95	95
Rated pressure	bar	8	8
Rated pressure of the heat exchanger	bar	6	6
NL factor S1		29	40
NL factor S2		12	19
Minimum time of heating S1 *80°C - **15/60°C	min.	40	46
Minimum time of heating S2 *80°C - **15/60°C	min.	39	41
Thermo pockets	pieces	2	2

► \* - outlet - inlet temperature of the heat transfer fluid

► \*\* - 15 - cold water temperature, 60 - hot water temperature (domestic water)



CW - cold water inlet, G 1½"- male

HW - hot water outlet, G 1½"- male

IS1 - solar installation flow, G 1½"- male

OS1 - solar installation return, G 1½"- male

TS1 - thermosensor, G ½"- female

TS2 - thermosensor, G ½"- female

R - recirculation, G ¾"- female

TR - opening for thermoregulator, G ½"- female

EE - opening for electric element, G ½"- female

T - external thermometer, G ½"- female

AV - opening for air ventilation, G ¾"- female

## Indirect heated storage water heaters (1500 to 2000 liters)



## Indirect heated storage water heaters with two heat exchangers



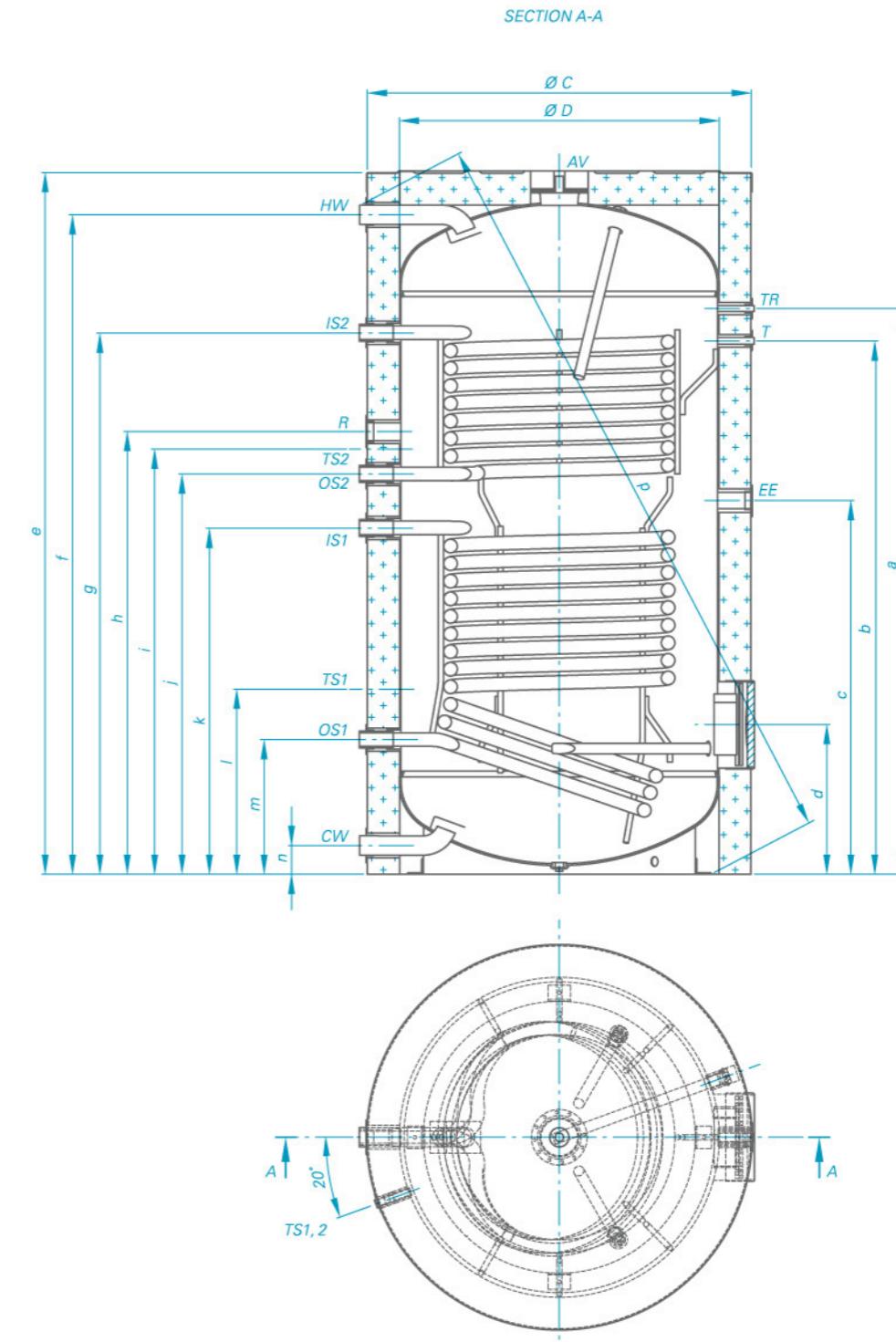
Dimensions [mm, ±5]

a [mm]	1768	1927
b [mm]	1666	1827
c [mm]	1168	1287
d [mm]	468	497
e [mm]	2193	2399
f [mm]	2061	2263
g [mm]	1691	1875
h [mm]	1378	1560
i [mm]	1329	1537
j [mm]	1251	1380
k [mm]	1081	1244
l [mm]	579	587
m [mm]	421	420
n [mm]	90	90
p [mm]	2361	2565
Ø C [mm]	1200	1300
Ø D [mm]	1000	1100

MODEL		TESY EV 12/8S2 1500 120 F45 TP2	TESY EV 15/9S2 2000 130 F46 TP2
Art. number	Nº	-	-
Capacity	l	1500	2000
Net weight	kg	421*	500
Insulation (Soft PU)	mm	100	100
Heat exchanger surface S1	m²	3.3	4.5
Heat exchanger surface S2	m²	2.3	2.7
Heat exchanger capacity S1	l	30.4	41.6
Heat exchanger capacity S2	l	20.5	25.2
Exchanged power in continuous mode (max coil output) S1 *60-80/70-90°C	kW	142 / 182	195 / 250
Exchanged power in continuous mode (max coil output) S2 *60-80/70-90°C	kW	68 / 96	83 / 117
Continuous flow rate of DHW at ΔT 35°C (S1)*60-80/70-90°C	l/min	58 / 75	80 / 102
Continuous flow rate of DHW at ΔT 35°C (S2)*60-80/70-90°C	l/min	28 / 39	34 / 48
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S1)	l	1594	2080
Maximum quantity of drawn off water MIX 45°C (**15-60°C), Power input cut off (S2)	l	760	991
Heat losses ΔT 45K	kWh/24h	6.7	7.8
Maximum operational temperature	°C	95	95
Rated pressure	bar	8	8
Rated pressure of the heat exchanger	bar	6	6
Thermo pockets	pieces	2	2

► \* - outlet - inlet temperature of the heat transfer fluid

► \*\* - 15 - cold water temperature, 60 - hot water temperature (domestic water)



CW - cold water inlet, R 2"

HW - hot water outlet, R 2"

IS1 - solar installation flow, R 1½"

OS1 - solar installation return, R 1½"

TS1 - thermosensor, Rp ½"

TS2 - thermosensor, Rp ½"

AV - opening for air ventilation, Rp ¾"

IS2 - central heating flow, R 1½"

OS2 - central heating return, R 1½"

EE - opening for electric element, Rp 1½"

T - external thermometer, Rp ½"

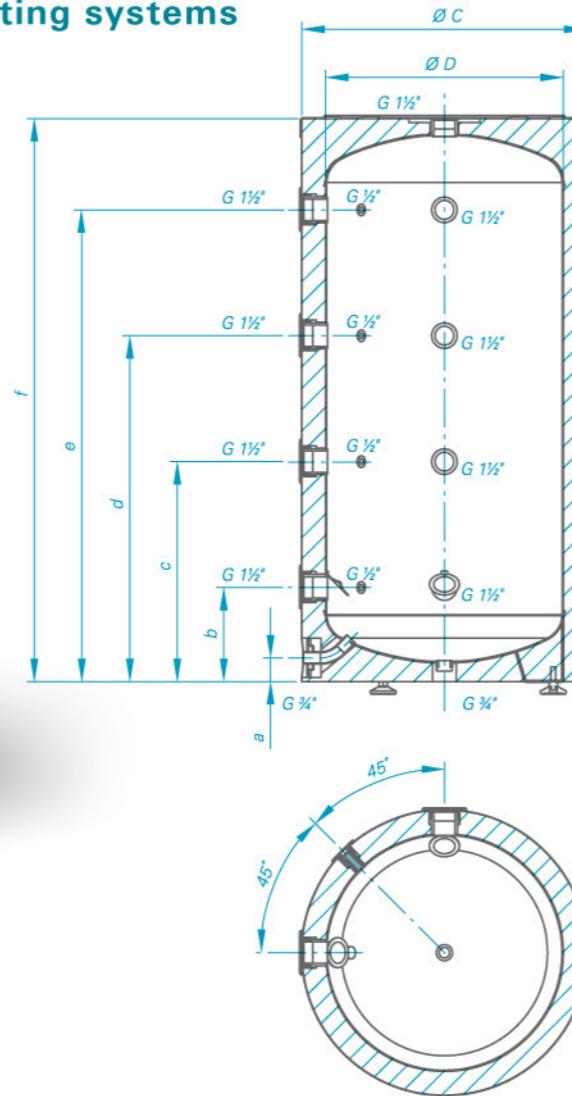
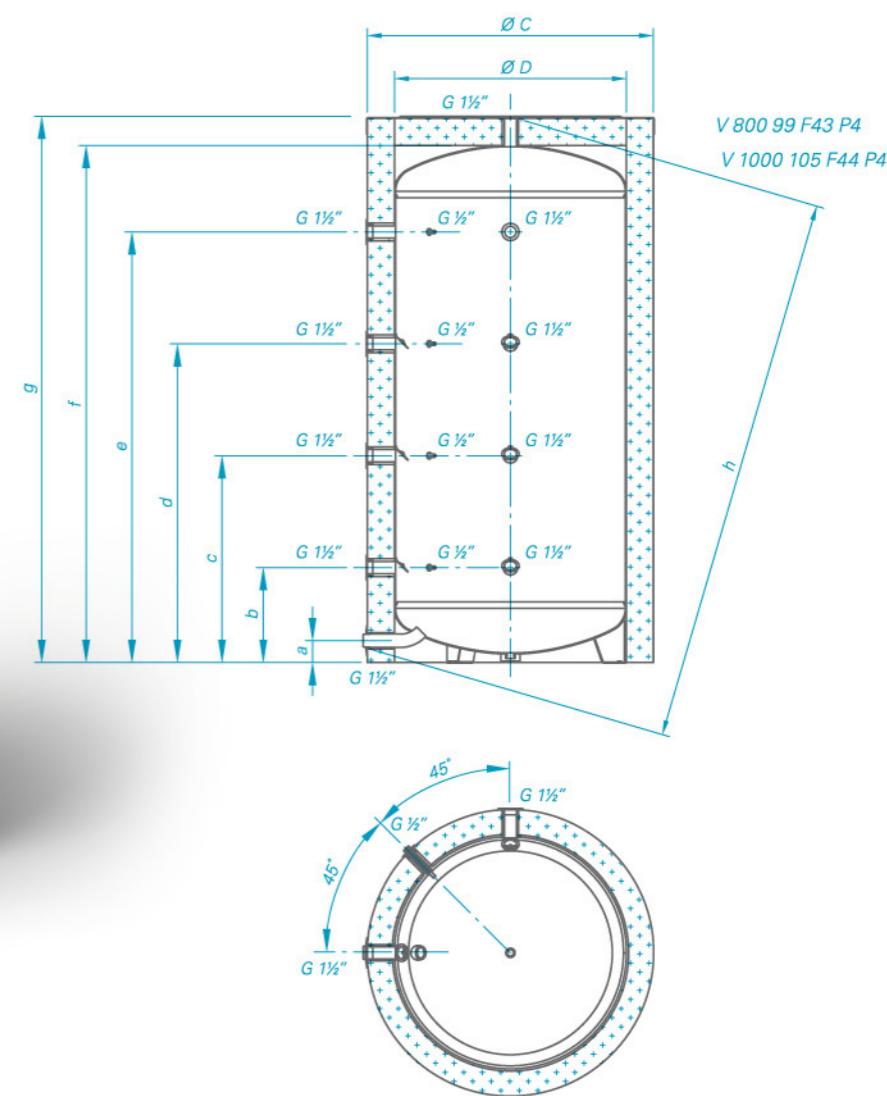
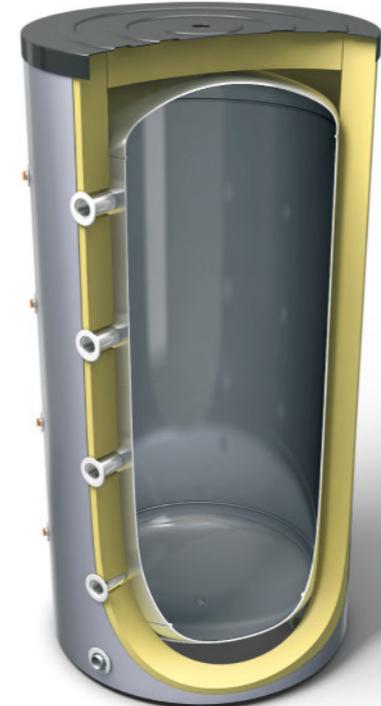
TR - opening for thermoregulator, Rp ½"

R - recirculation, Rp 1½"



## Buffers (200 to 1000 liters)

## Buffer tanks for central heating systems


 V 200 60 F40 P4  
 V 300 65 F41 P4  
 V 500 75 F42 P4


MODEL		TESY V 200 60 F40 P4	TESY V 300 65 F41 P4	TESY V 500 75 F42 P4	MODEL		TESY V 800 99 F43 P4	TESY V 1000 105 F44 P4
Art. number	Nº	3121	3122	3123	Art. number	Nº	3124	3125
Capacity	l	200	300	500	Capacity	l	800	1000
Net weight	kg	39.3	58.7	99.8	Net weight	kg	139.5	199
Number of inlets	pieces	4	4	4	Number of inlets	pieces	4	4
Number of outlets	pieces	5	5	5	Number of outlets	pieces	5	5
Insulation (Rigid PU)	mm	50	50	50	Insulation (Soft PU)	mm	100	100
Maximum operational temperature	°C	95	95	95	Maximum operational temperature	°C	95	95
Rated pressure	bar	3	3	3	Rated pressure	bar	3	3
Thermo pockets	pieces	4	4	4	Thermo pockets	pieces	4	4

Dimensions [mm, ±5]

a [mm]	50	52	65.5
b [mm]	198	203	210
c [mm]	463	538	622
d [mm]	728	873	1034
e [mm]	993	1208	1446
f [mm]	1200	1420	1671
Ø D [mm]	500	550	650
Ø C [mm]	600	650	750

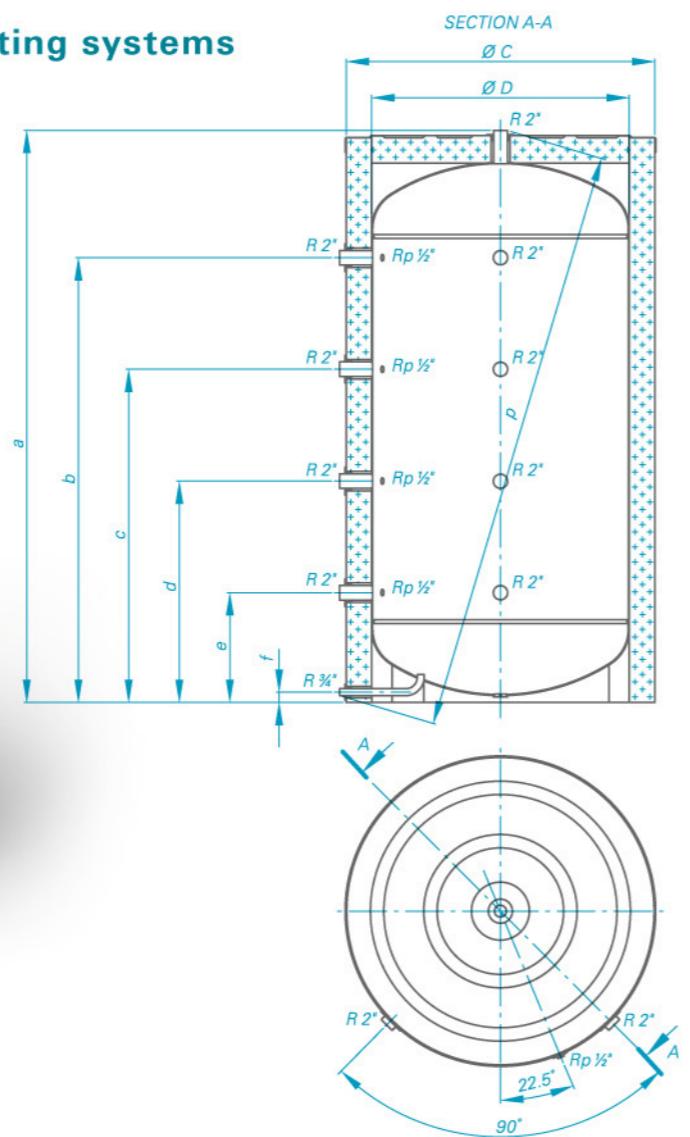
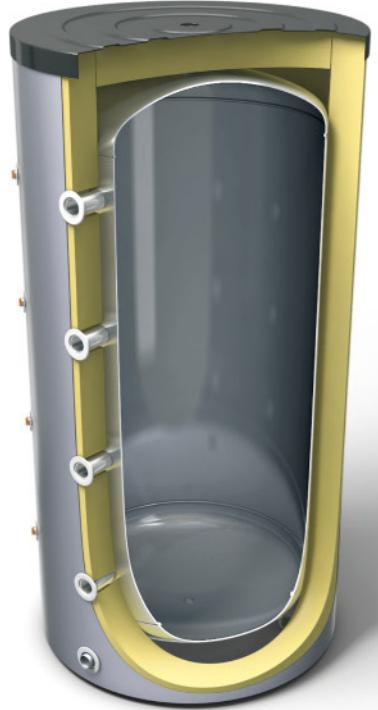
Dimensions [mm, ±5]

a [mm]	82	80
b [mm]	360	348
c [mm]	740	758
d [mm]	1120	1168
e [mm]	1500	1578
f [mm]	1821	1895
g [mm]	1937	2002
h [mm]	1962	2017
Ø D [mm]	790	850
Ø C [mm]	990	1050



## Buffers (1500 to 2000 liters)

## Buffer tanks for central heating systems



MODEL		TESY V 1500 120 F45 TP4	TESY V 2000 130 F46 TP4
Art. number	Nº	-	-
Capacity	l	1500	2000
Net weight	kg	324	374
Number of inlets	pieces	4	4
Number of outlets	pieces	4	4
Insulation (Soft PU)	mm	100	100
Maximum operational temperature	°C	95	95
Rated pressure	bar	3	3
Thermo pockets	pieces	4	4

Dimensions [mm, ±5]

a [mm]	2220	2418
b [mm]	1726	1896
c [mm]	1293	1413
d [mm]	859	929
e [mm]	426	446
f [mm]	40	40
p [mm]	2288	2493
Ø C [mm]	1200	1300
Ø D [mm]	1000	1100

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## Buffers (1500 to 2000 liters)

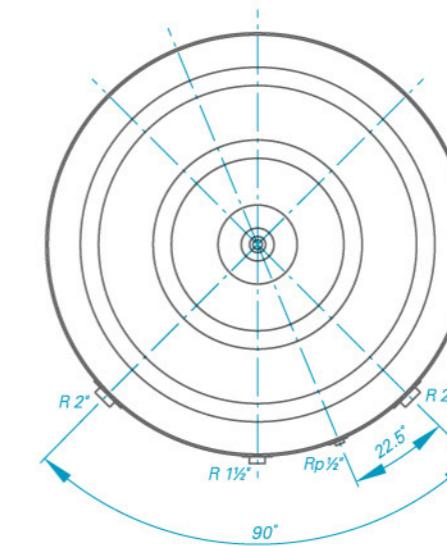
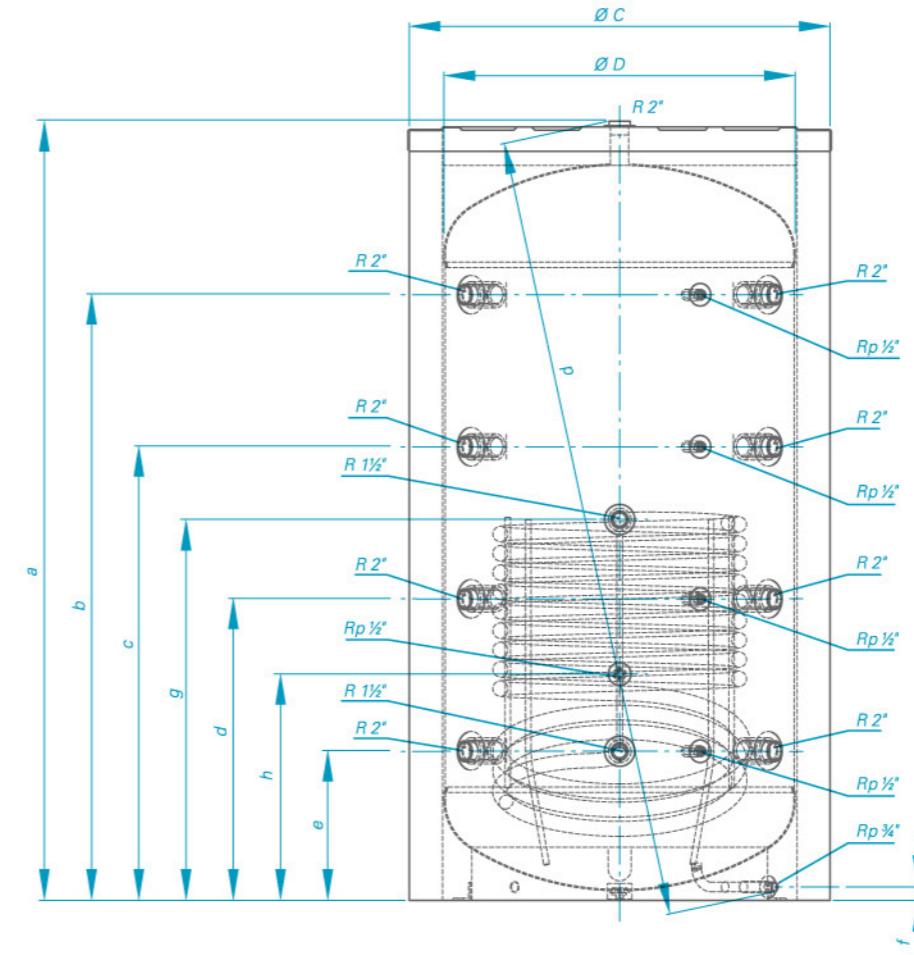
## Buffer tanks for central heating systems with a heat exchanger



MODEL		TESY V 12S 1500 120 F45 TP5	TESY V 15S 2000 130 F46 TP5
Art. number	Nº	-	-
Capacity	l	1500	2000
Net weight	kg	383	454
Number of inlets	pieces	4	4
Number of outlets	pieces	4	4
Insulation (Soft PU)	mm	100	100
Maximum operational temperature	°C	95	95
Rated pressure	bar	3	3
Rated pressure of the heat exchanger	bar	6	6
Heat exchanger surface	m <sup>2</sup>	3.3	4.5
Thermo pockets	pieces	5	5

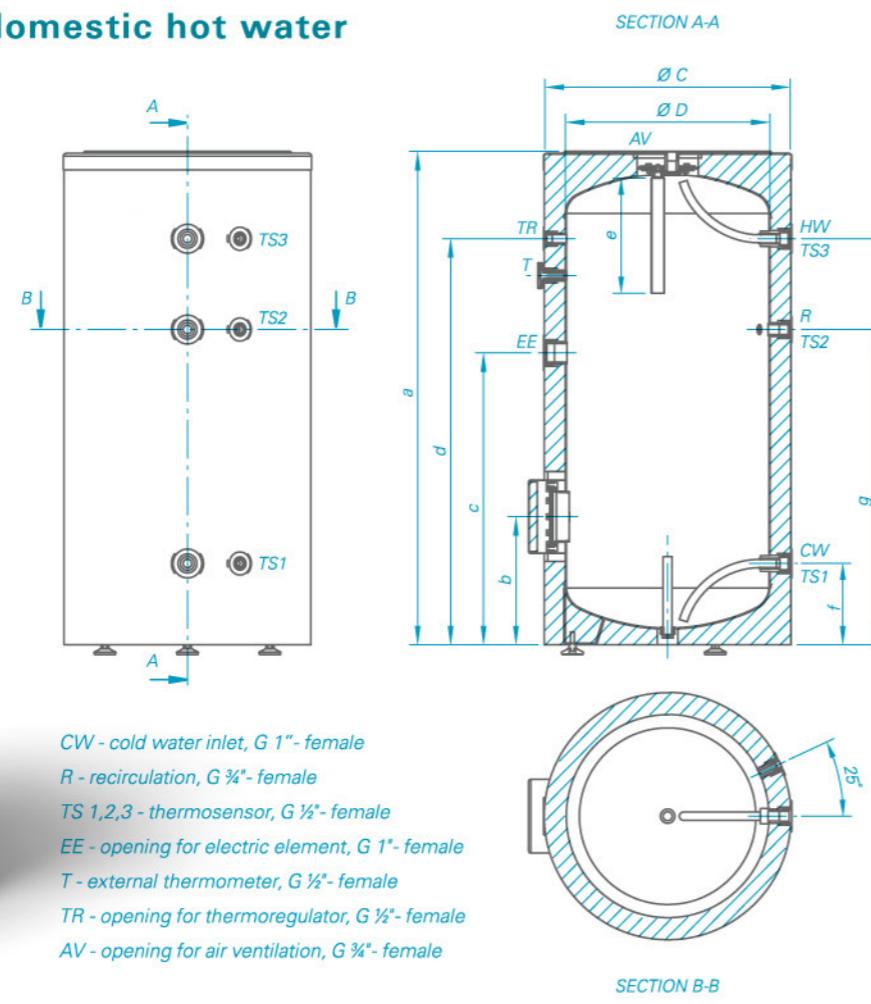
Dimensions [mm, ±5]

a [mm]	2220	2418
b [mm]	1726	1896
c [mm]	1293	1413
d [mm]	859	929
e [mm]	426	446
f [mm]	40	40
g [mm]	1086	1271
h [mm]	646	646
p [mm]	2288	2493
Ø C [mm]	1200	1300
Ø D [mm]	1000	1100

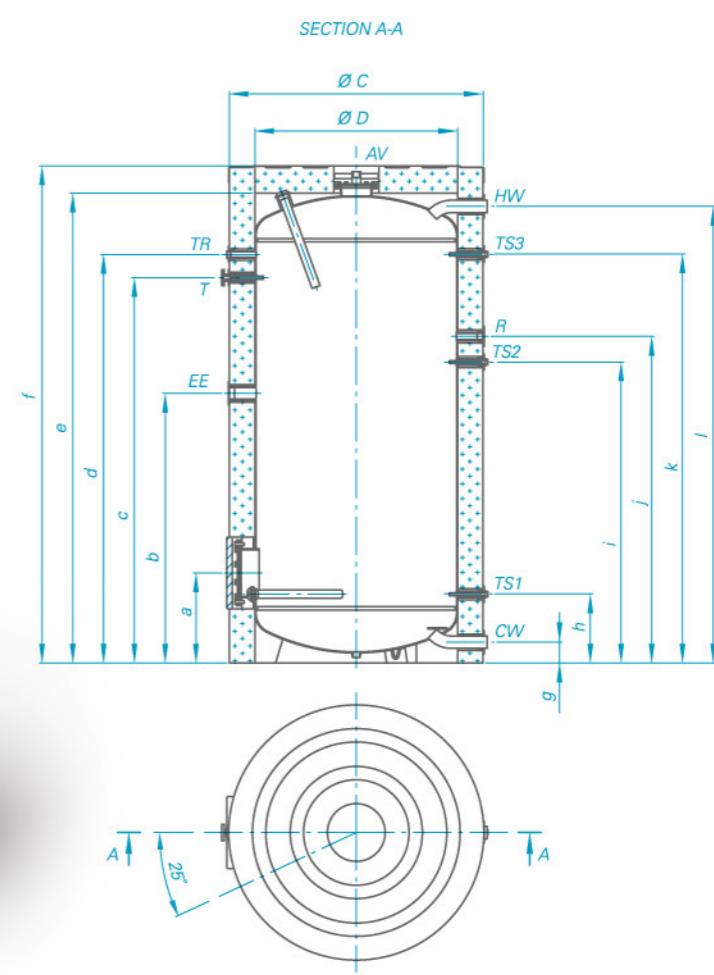


## Buffers (200 to 1000 liters)

## Buffer tanks for domestic hot water



CW - cold water inlet, G 1½"- male  
HW - hot water inlet, G 1½"- male  
R - recirculation, G ¾"- female  
TS1, 2, 3 - thermosensor, G ½"- female  
EE - opening for electric element, G 1"- female  
T - external thermometer, G ½"- female  
TR - opening for thermoregulator, G ½"- female  
AV - opening for air ventilation, G ¾"- female



MODEL		TESY EV 200 60 F40 TP3	TESY EV 300 65 F41 TP3	TESY EV 500 75 F42 TP3	MODEL		TESY EV 800 99 F43 TP3	TESY EV 1000 105 F44 TP3
Art. number	Nº	3101	3102	3103	Art. number	Nº	-	-
Capacity	l	200	300	500	Capacity	l	800	1000
Net weight	kg	45	66	109.8	Net weight	kg	176	211
Insulation (Rigid PU)	mm	50	50	50	Insulation (Soft PU)	mm	100	100
Heat losses $\Delta T$ 45K	kWh/24h	2.5	2.7	2.9	Heat losses $\Delta T$ 45K	kWh/24h	3.7	4.3
Maximum operational temperature	°C	95	95	95	Maximum operational temperature	°C	95	95
Rated pressure	bar	8	8	8	Rated pressure	bar	8	8
Thermo pockets	pieces	3	3	3	Thermo pockets	pieces	3	3

Dimensions mm [ $\pm 5$ ]

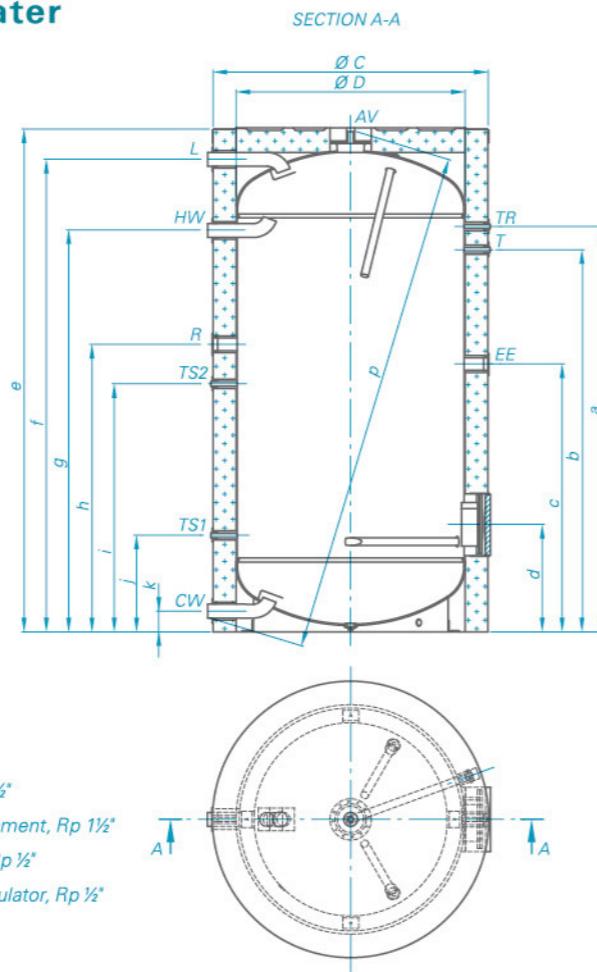
a	1207	1427	1702
b	314	314	321
c	714	846.5	983.5
d	993	1207	1445
e	284	327	500
f	199	203	211
g	771	1010	1196
h	993	1207	1445
$\varnothing C$ [mm]	600	650	750
$\varnothing D$ [mm]	500	550	650

Dimensions [mm,  $\pm 5$ ]

a [mm]	354	354
b [mm]	1050	1132
c [mm]	1501	1383
d [mm]	1591	1475
e [mm]	1830	1895
f [mm]	1937	2002
g [mm]	81	81
h [mm]	272	272
i [mm]	1174	1174
j [mm]	1273	1273
k [mm]	1592	1654
l [mm]	1780	1864
$\varnothing D$ [mm]	790	850
$\varnothing C$ [mm]	990	1050

## Buffers (1500 to 2000 liters)

## Buffer tanks for domestic hot water



MODEL		TESY EV 1500 120 F45 TP2	TESY EV 2000 130 F46 TP2
Art. number	N°	-	-
Capacity	l	1500	2000
Net weight	kg	338	388
Insulation (Soft PU)	mm	100	100
Heat losses ΔT 45K	kWh/24h	6.7	7.8
Maximum operational temperature	°C	95	95
Rated pressure	bar	8	8
Thermo pockets	pieces	2	2

Dimensions [mm, ±5]

a [mm]	1767	1927
b [mm]	1665	1827
c [mm]	1167	1287
d [mm]	467	497
e [mm]	2193	2399
f [mm]	2061	2263
g [mm]	1750	1915
h [mm]	1250	1370
i [mm]	1080	1141
j [mm]	367	397
k [mm]	90	90
p [mm]	2214	2412
Ø D [mm]	1000	1100
Ø C [mm]	1200	1300

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## Buffer tanks for domestic hot water

NAME	Art. N	description	dimensions of packing
Electrical heat resistance 3kW (from 200l up to 500l)	3524	HE 3000W / 400V 3~, L=240 mm, 420693240	325/100/75
Electrical heat resistance 4,5kW (from 200l up to 500l)	3525	HE 4500W / 400V 3~, L=340 mm, 420693260	425/100/75
Electrical heat resistance 6kW (from 200l up to 500l)	3526	HE 6000W/230V, L=440 mm, 420693280	525/100/75
Water heater set 3 kW (from 200l up to 500l)	3521	Package includes pos. 1 Rubber gasket pos. 2 Flange pos. 4 Niple-muf pos. 7 HE 3000W/230V,with thermostat + thermal cut out 70±5°C / 80±5°C with plug (MB 3000 ORW1B/230V)	186/346/81
Water heater set 3 kW (from 200l up to 500l)	3522	Package includes pos. 2 Rubber gasket pos. 3 Flange pos. 7 HE 4500W / 400V 3~, L=340 mm, 420693260 pos. 9 Thermostat + thermal cut out with thermo pocket (200l up to 500l)	186/536/111
Water heater set 6 kW (from 200l up to 500l)	3523	Package includes pos. 2 Rubber gasket pos. 3 Flange pos. 7 HE 6000W/230V, L=440 mm, 420693280 pos. 9 Thermostat + thermal cut out with thermo pocket (200l up to 500l)	186/536/111

## Transport norms

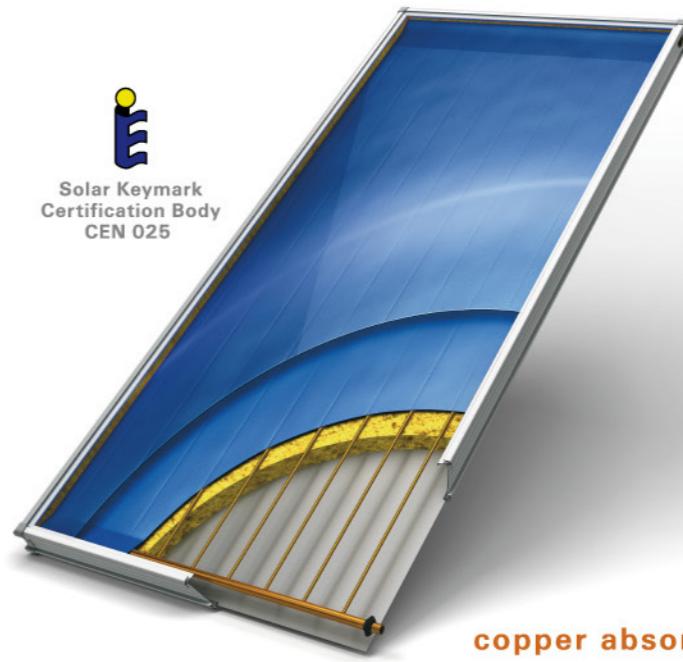
Storage Water Heaters Models	83 m³ Truck B2420 x H2450/2950 x L3500+8700 [pcs]	B2420 x H2700 x L13600 [pcs]	20 FT Cnt. B2348 x H2380 x L5898 [pcs]	40 FT Cnt. B2348 x H2380 x L12020 [pcs]
200 l	72	80	27	54
300 l	54	60	27	54
500 l	45	54	21	48
800 l	22	26	10	24
1000 l	22	24	10	22
1500 l	10 (with Soft PU) / 18 (without Soft PU)	-	-	-
2000 l	10 (with Soft PU) / 18 (without Soft PU)	-	-	-



## Flat plate solar collectors with selective absorber



aluminium absorber



copper absorber

### Flat plate solar collectors with selective absorber

TESY SP 06 200 ASL	TESY SP 06 250 ASL	MODEL		TESY SP 06 200 CS	TESY SP 06 250 CS
Dimensions					
2176	2176	mm	L	mm	2176
966	1181	mm	B	mm	966
85	85	mm	H	mm	90
2.1	2.57	m <sup>2</sup>	Gross surface area	m <sup>2</sup>	2.1
1.87	2.32	m <sup>2</sup>	Aperture area	m <sup>2</sup>	1.87
31	38	kg	Net weight	kg	31
Al; Full plate	Al; Full plate	type	Absorber	type	Copper; Full plate
Selective type	Selective type		Coating		Selective type
95	95	%	Absorption factor	%	95
5	5	%	Emission factor	%	5
6	6	bar	Max operating pressure	bar	6
9	9	bar	Test pressure	bar	9
160	160	°C	Max operating temperature	°C	160
25-55	25-55	°	Position angle	°	25-55
PG:H <sub>2</sub> O (30:70)	PG:H <sub>2</sub> O (30:70)		Heat transfer fluid		PG:H <sub>2</sub> O (30:70)
1.4	1.7		Liquid content		1.7
Ø 22	Ø 22		Pipe fitting types		Ø 22
81.4	77	%	Collector efficiency	%	77.1
5.48	3.06	W/m <sup>2</sup> K	Heat losses coefficient a1	W/m <sup>2</sup> K	3.5
0.018	0.0073	W/m <sup>2</sup> K <sup>2</sup>	Heat losses coefficient a2	W/m <sup>2</sup> K <sup>2</sup>	0.011
Al	Al		Frame		Al
Al	Al		Bottom		Al
3.2 mm prismatic - low iron tempered solar glass	4 mm prismatic - low iron tempered solar glass		Cover glass		3.2 mm prismatic - low iron tempered solar glass
Mineral wool	Mineral wool	type	Collector heat insulation	type	mineral wool
Laser	Laser		Welding type		ultrasonic

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## Accessories



EXPANSION VESSEL										CONNECTOR and FITTING FOR SOLAR COLLECTOR					
NAME	Art. N	pic	capacity	height	diameter	connection	Max working pressure	Max working temperature	NAME	Art. N	pic	dimensions	connection		
VS12	3549		12 l	295 mm	Ø 280 mm	3/4"	8 bar	100°C	Pocket for solar thermoprobe	3549			Ø 22 - G3/4"		
VS18	3550		18 l	465 mm	Ø 280 mm	3/4"	8 bar	100°C	Flexible metal hoses	3550		L = 50 mm	1"		
VS24	3551		24 l	492 mm	Ø 280 mm	3/4"	8 bar	100°C	Compression fittings for copper pipe Ø 22	3552					
VSV35	3552		35 l	450 mm	Ø 365 mm	3/4"	8 bar	100°C							

SOLAR CONTROLLER				AUTOMATIC AIR VENT VALVE				
NAME	Art. N	pic	dimensions	NAME	Art. N	pic	dimensions	connection
Elios X3	3553		210x120x50	<b>description:</b> Digital control system for the management of solar heat plant. Programmable digital control for thermal solar systems inclusive of solar collectors, circulation pumps and/or diverter valves, accumulation tanks and integrative heating. Besides the fundamental function of differential regulator of temperature, it offers many options and advanced functions to manage plant schemes of various complexities and optimize the overall performance of the plant				
PT1000				- two outputs for phase modulation and control of pumps				
NTC				- visualization of temperature for 24 hours				
				- "solar cooling" function				
				- "anti freeze" function				
				- "against blocking the pump" function				

Thanks to the exclusive and versatile design, it is possible to install ELIOS X3 both in vertical and horizontal position (0°, 90°, 180°, 270°), wall fitted and in a control system. 12 possible schemes of application.

2 triac output, 1 relay output, 6 NTC or PT1000 probes inputs, dot matrix graphic display (128X64 pixel) backlit, 4 buttons, 1 state led; box suitable for wall mounting or in a control system.

SOLAR PUMP GROUP							ROOF SET				
NAME	Art. N	pic	dimensions	Max. working pressure	Max. working temperature	debit range	NAME	Art. N	pic	description	
FlowBox Solar 8010	3546		308/270/220	10 bar	110°C	2-16 l/min.	MS FR	3541		Galvanized steel profiles and screws. They are sent totally packaged, encoded and with installation manual.	
FlowBox Solar 7000	3547		355/340/200	10 bar	110°C	4-36 l/min.	MS FR Plus	3542		Available for: - flat roofs - models MS FR and MS FR Plus. Possible angles from 25° to 55° - sloping roofs - model MS TR - for one solar collector - model MS FR. - for two and more collectors - model MS FR Plus. Should add to MS FR two profiles for each additional collector.	

**Caution!**

Pressure and temperature should be kept within the limits shown in the adjacent diagram. Avoid temperatures higher than 100°C during continuous operation! In short-term operation (2 h) to +120°C.

**description FlowBox Solar 8010**

Ready to mount, compact solar unit. Overall height 308 mm., standard circulation pumps with installation length of 130 mm - cabling ex works, balancing valve WattFlow with fill and drain-cock, safety unit with pressure gauge, solar safety relief valve 6 bar and fill and drain-cock, wall bracket including corrugated tube to connect with the expansion vessel, arrangeable metal gravity brake via 45° position of the thermo handle, thermometer integrated in multifunction isolating valve, joints with solar-fit gaskets, EPP heat insulation. Use of special solar pumps (WILO ST 15/6 ECO or GRUNDFOS SOLAR 15-60).

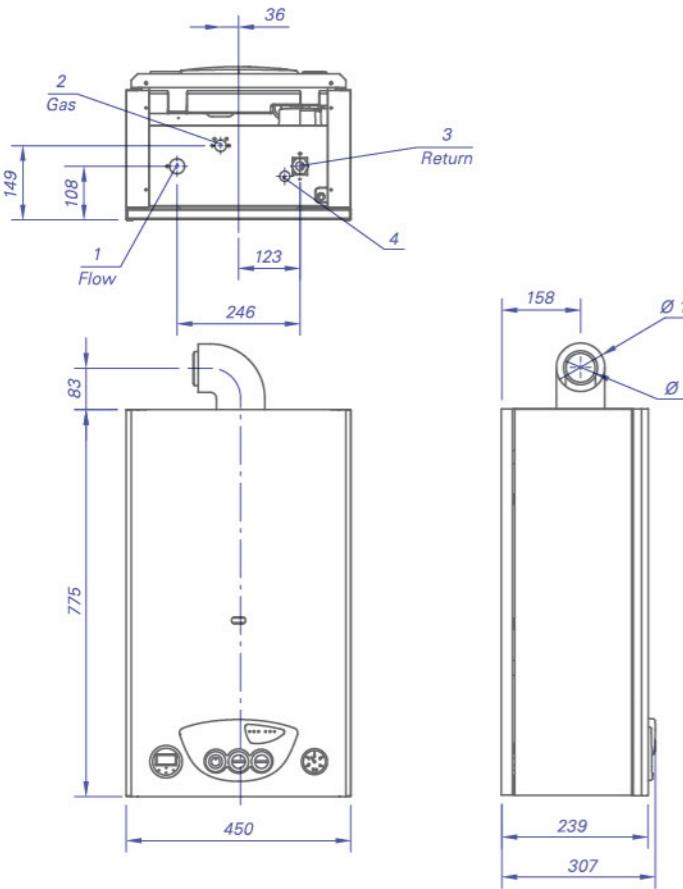
**description FlowBox Solar 7000**

Ready to mount, compact solar return line. Overall height 355 mm., standard circulation pumps with installation length of 180 mm - cabling ex works, balancing valve WattFlow with fill and drain-cock, safety unit with pressure gauge, solar safety relief valve 6 bar and fill and drain-cock, wall bracket including corrugated tube to connect with the expansion vessel, arrangeable metal gravity brake via 45° position of the thermo handle, thermometer integrated in multifunction isolating valve, joints with solar-fit gaskets, EPP heat insulation. Use of special solar pumps (WILO ST 25/6 ECO or GRUNDFOS SOLAR 25-60).

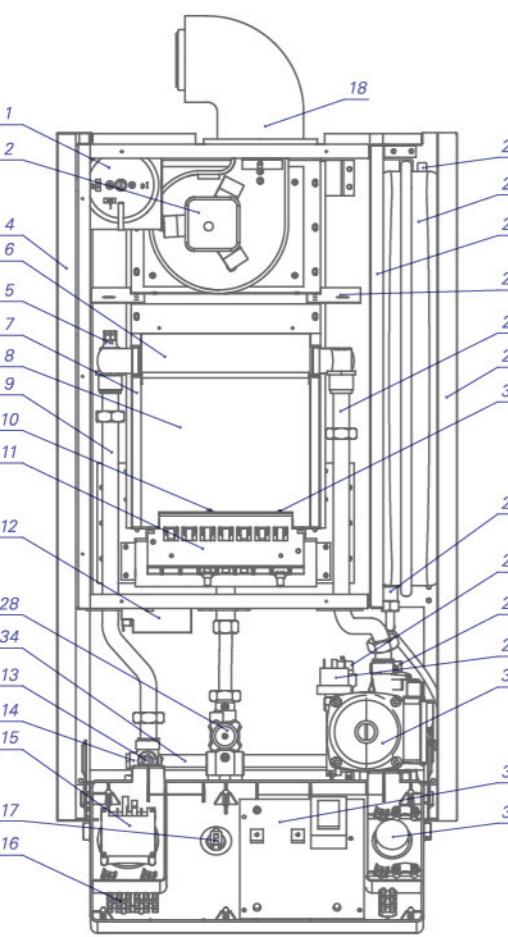
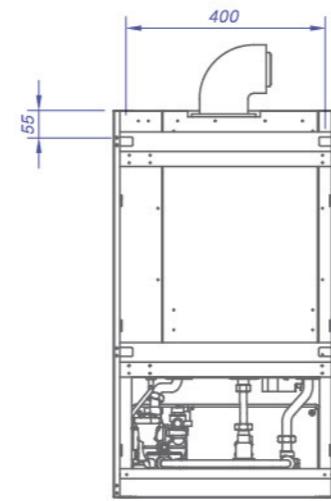
**Gas boilers****Non condensing gas boilers**

MODEL		TESY GBA 16 G01 SN11	TESY GBA 24 G01 SN21	TESY GBA 28 G01 SN21
Art. number		3003	3001	3004
Category of fume collecting pipe		C <sub>12</sub>	C <sub>12</sub> , C <sub>32</sub> , C <sub>42</sub> , C <sub>52</sub> , C <sub>62</sub> , C <sub>82</sub>	C <sub>12</sub> , C <sub>32</sub> , C <sub>42</sub> , C <sub>52</sub> , C <sub>62</sub> , C <sub>82</sub>
Maximum heat input	kW	15.8	24.91	28.86
Minimum heat input	kW	5.8	9.77	10.98
Maximum heat output	kW	16.84	26.56	30.7
Minimum heat output	kW	6.51	10.75	12.32
Efficiency at rated power	%	93.8	93.8	94
Efficiency at 30% of rated power	%	93.2	93.4	93.8
Useful output at 30% portload	kW	4.7	7.41	8.66
Efficiency according directive ECC 92/42	marking	3	3	3
IP		IP44	IP44	IP44
Class Nox	class	3	2	2
Regulation of water temperature in Heating circuit	°C	30 - 80 / 25 - 40	30 - 80 / 25 - 40	30 - 80 / 25 - 40
Maximum pressure (heating)	bar	3	3	3
Minimum pressure (heating)	bar	0.5	0.5	0.5
Maximum pressure (DHW)	bar	N/A	6	6
Minimum pressure (DHW)	bar	N/A	0.3	0.3
Flow rate of hot water when ΔT 25°C	l/min.	N/A	14	16.5
Flow rate of hot water when ΔT 30°C	l/min.	N/A	11.8	13.9
Minimum capacity DHW flow-rate	l/min.	N/A	2.2	2.2
Width	mm	450	450	450
Height	mm	783	783	783
Depth	mm	306	366	366
Weight	kg	37	43	43
Diameter of coaxial chimney DVK type 1(max. length of chimney)	mm(m)	100/60(3)	100/60(3)	100/60(3)
Outlet at input/output for heating instalation	Ø	3/4" - 3/4"	3/4" - 3/4"	3/4" - 3/4"
Outlet for cold water	Ø		1/2"	1/2"
Outlet for hot water	Ø	1/2"	1/2"	1/2"
Outlet for gas	Ø	1/2"	1/2"	1/2"
Power supply 50Hz	V	230	230	230
Maximum consumed electrical capacity	W	90	115	120
Temperature of the smokes	°C	115	117	125
Gas consmption (G20)	m <sup>3</sup> /h	0.69 - 1.78	1.13 - 2.76	1.3 - 3.23

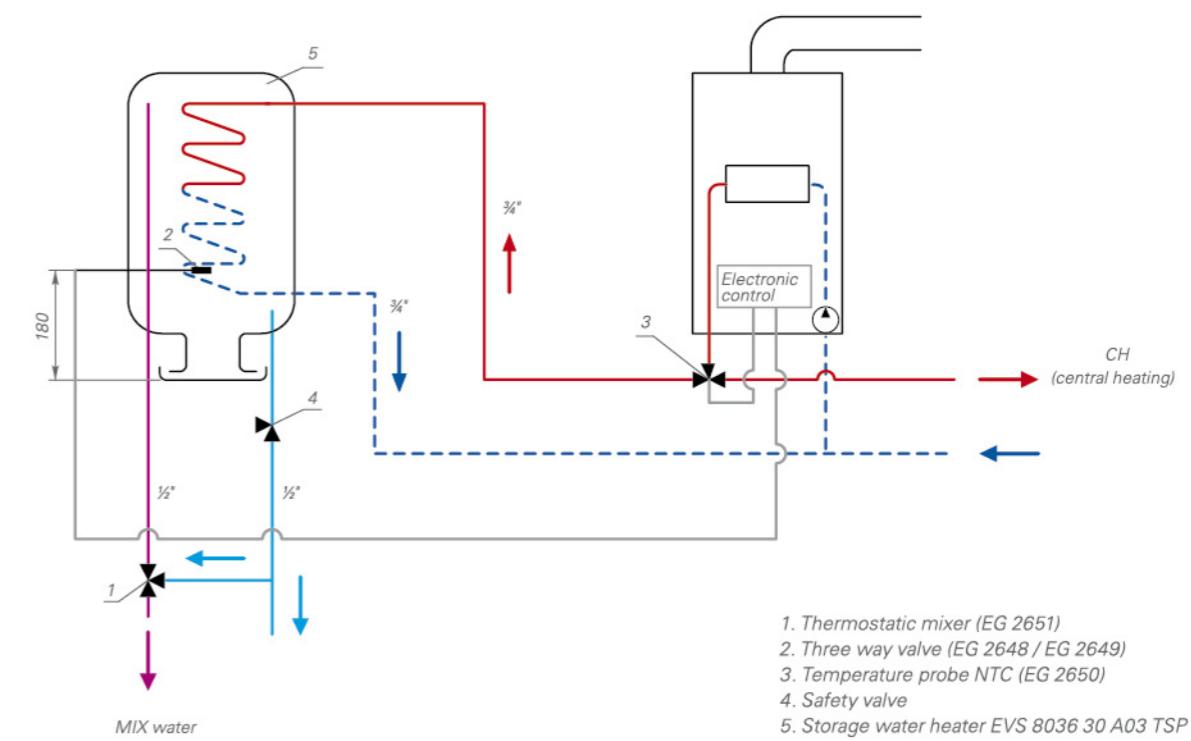
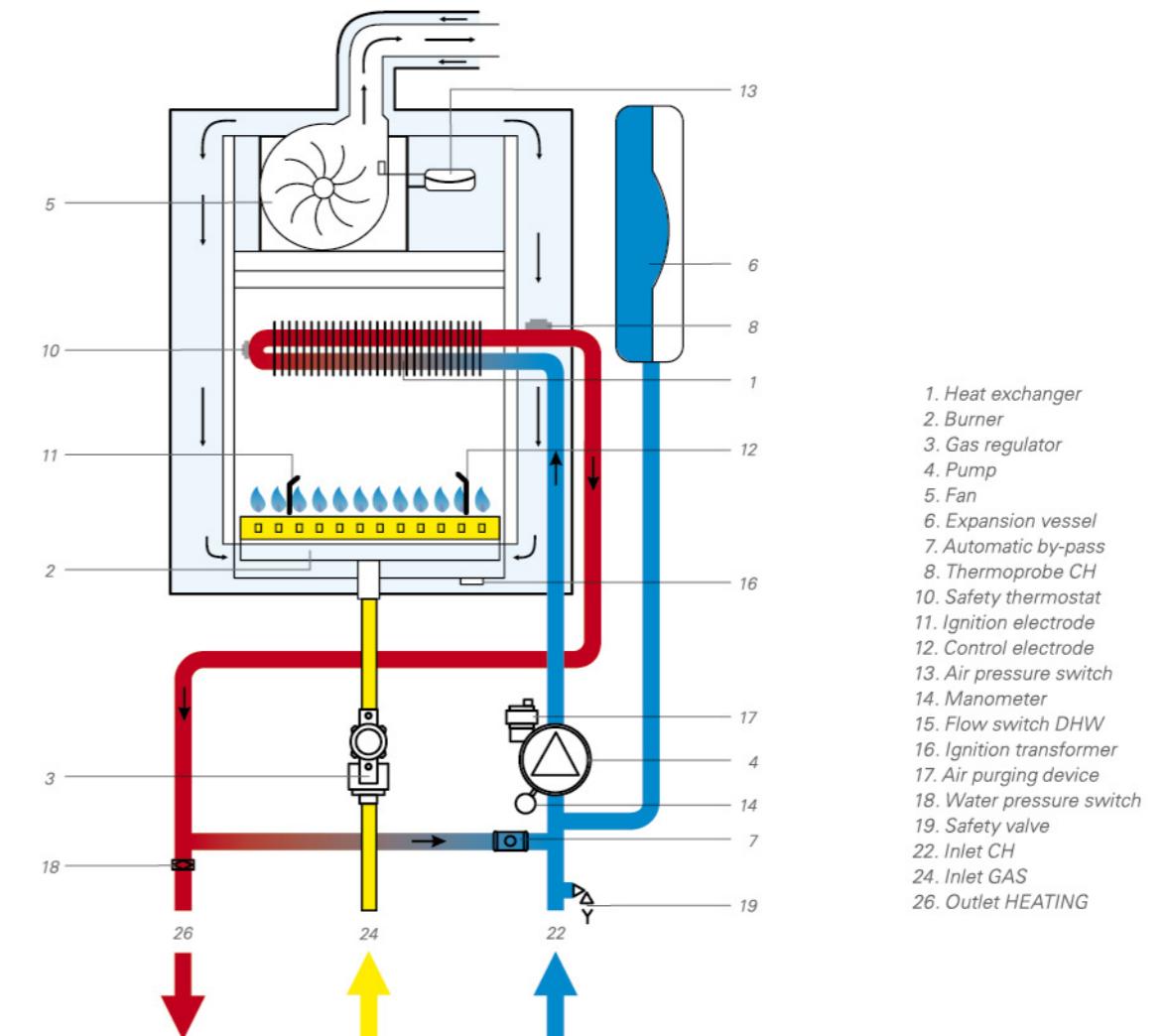
## Non condensing gas boilers: TESY GBA 16 G01 SN11



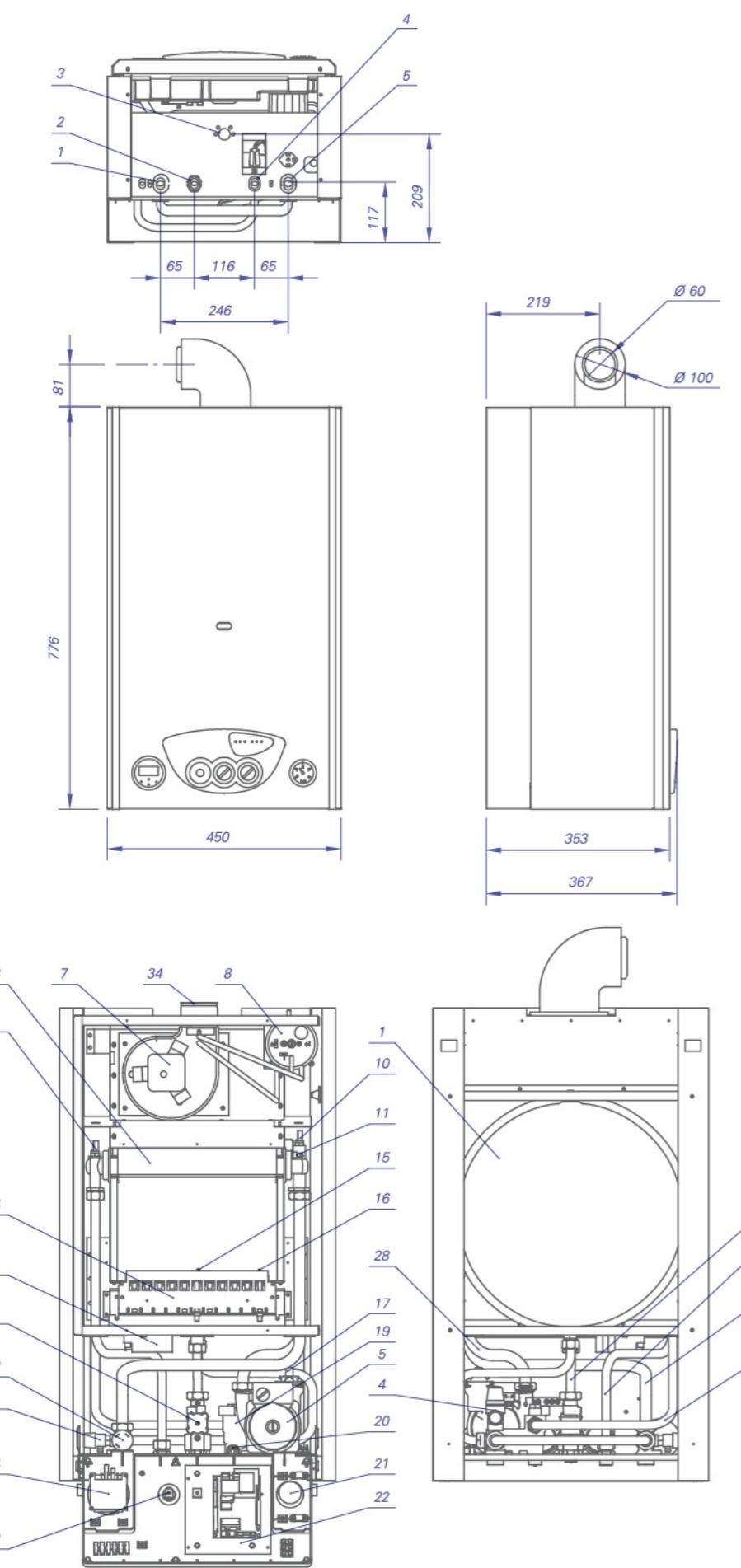
1. Outlet "Central Heating" G  $\frac{3}{4}$ "
2. Inlet Gas G  $\frac{1}{2}$ "
3. Inlet "Central Heating" G  $\frac{3}{4}$ "
4. Drain tap



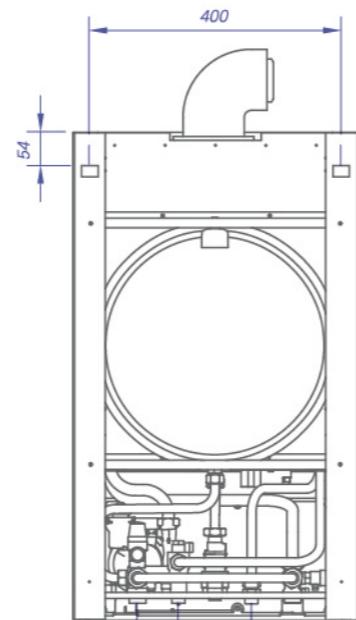
1. Air pressure switch
2. Fan
3. Left side panel sealed chamber
4. Left side panel
5. Safety thermostat
6. Heat exchanger
7. Lateral heat insulation panel
8. Back heat insulation panel
9. Outlet pipe "Central heating"
10. Ignition electrode
11. Burner
12. Ignition transformer
13. Temperature probe
14. Outlet manifold
15. Timer (only with G01)
16. Terminal
17. Reset switch
18. Diaphragm flue gases
19. Upper bracket EV
20. Probe for charging EV
21. Expansion vessel (EV)
22. Right side panel sealed chamber
23. Deflectors
24. Inlet pipe "Central heating"
25. Right side panel
26. Lower bracket EV
27. Safety valve 3 Bar
28. Automatic air vent
29. Water pressure switch
30. Bypass
31. Control electrode
32. Manometer
33. Main electronic board
34. Pump



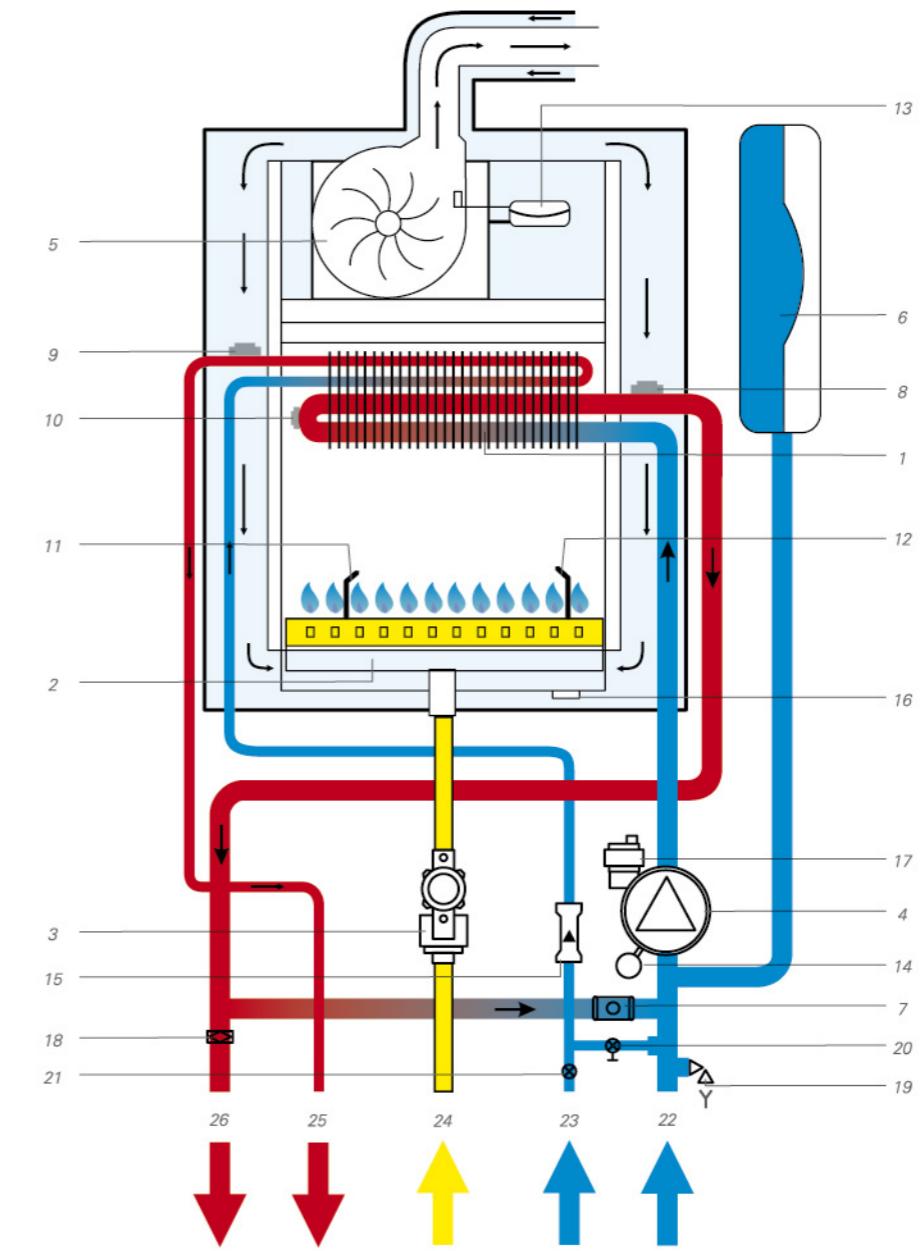
## Non condensing boilers: TESY GBA 24 G01 SN21 / TESY GBA 28 G01 SN21



1. Outlet "Central Heating" G ¾"
2. Outlet DHW G ½"
3. Inlet gas; G ½"
4. Inlet DHW G ½"
5. Inlet "Central Heating" G ¾"



1. Expansion vessel
2. Ignition transformer
3. Gas valve
4. Safety valve 3bar
5. Pump
6. Draining tap
7. Ventilator
8. Air pressure switch
9. Thermoprobe DHW
10. Thermoprobe CH
11. Safety thermostat
12. Water pressure switch
13. Bitemal heat exchanger
14. Burner
15. Ignition electrode
16. Control electrode
17. Automatic air vent
18. Bypass valve
19. Flow switch wit Hall effect sensor
20. Filling tap
21. Manometer
22. Electronic control
23. Switch - Reset
24. Programmer
25. Outlet pipe DHW
26. Inlet pipe DHW
27. Outlet pipe CH
28. Inlet pipe CH
34. Flue diaphragm
39. Gas pipe

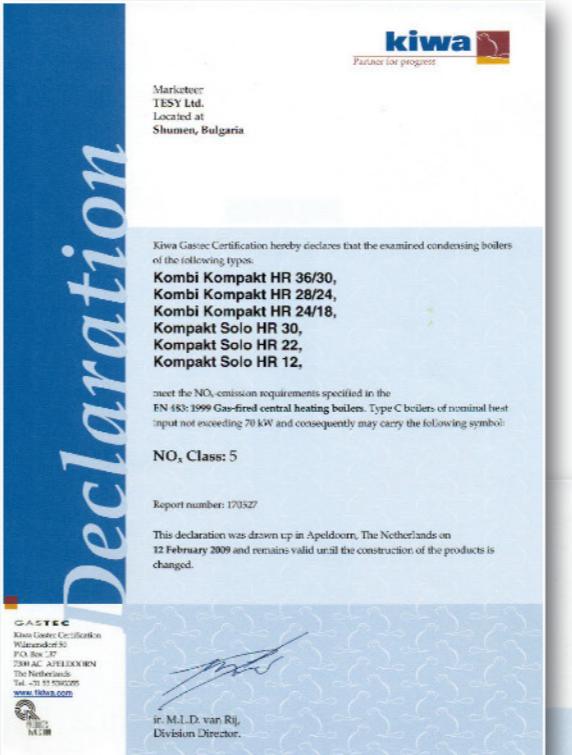
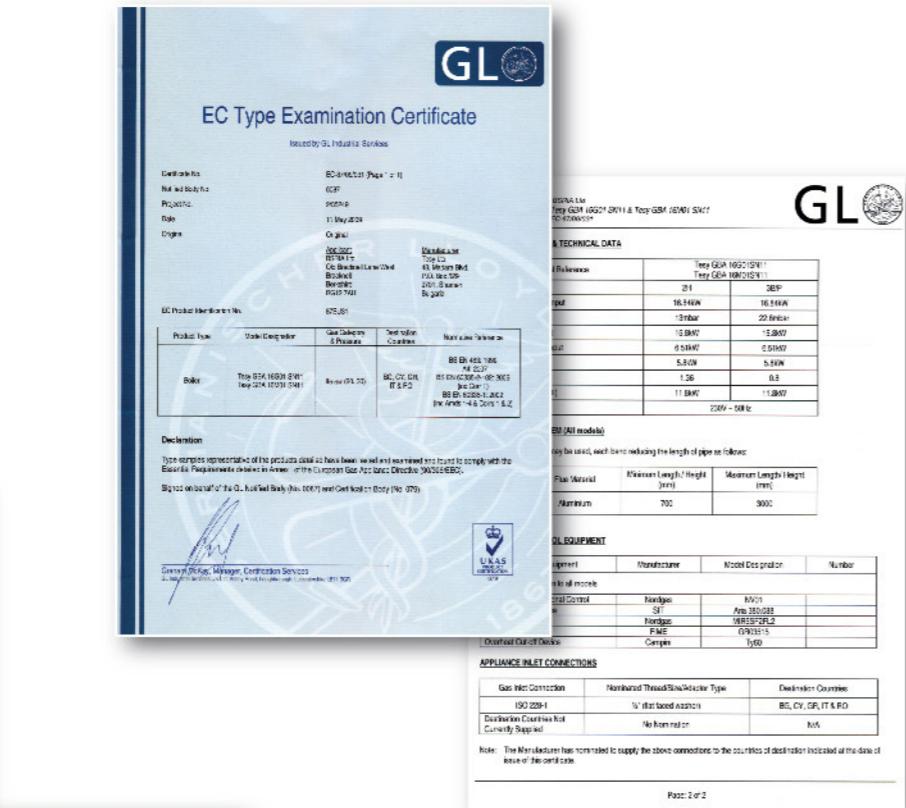


1. Bi-thermal heat exchanger
2. Burner
3. Gas regulator
4. Circulation pump (3 stages)
5. Fan
6. Expansion vessel
7. Automatic bypass
8. HEATING TEMPERATURE PROBE
9. DHW TEMPERATURE PROBE
10. Safety thermostat
11. Ignition electrode
12. Control electrode
13. Air pressure switch
14. Manometer
15. Flow switch DHW
16. Ignition transformer
17. Air purging device
18. Water pressure switch
19. Safety valve
20. Filling tap
21. Flow limiter
22. Inlet HEATING
23. Inlet DHW
24. Inlet GAS
25. Outlet DHW
26. Outlet HEATING

## Non condensing gas boilers: certificates



## Condensing gas boilers: certificates

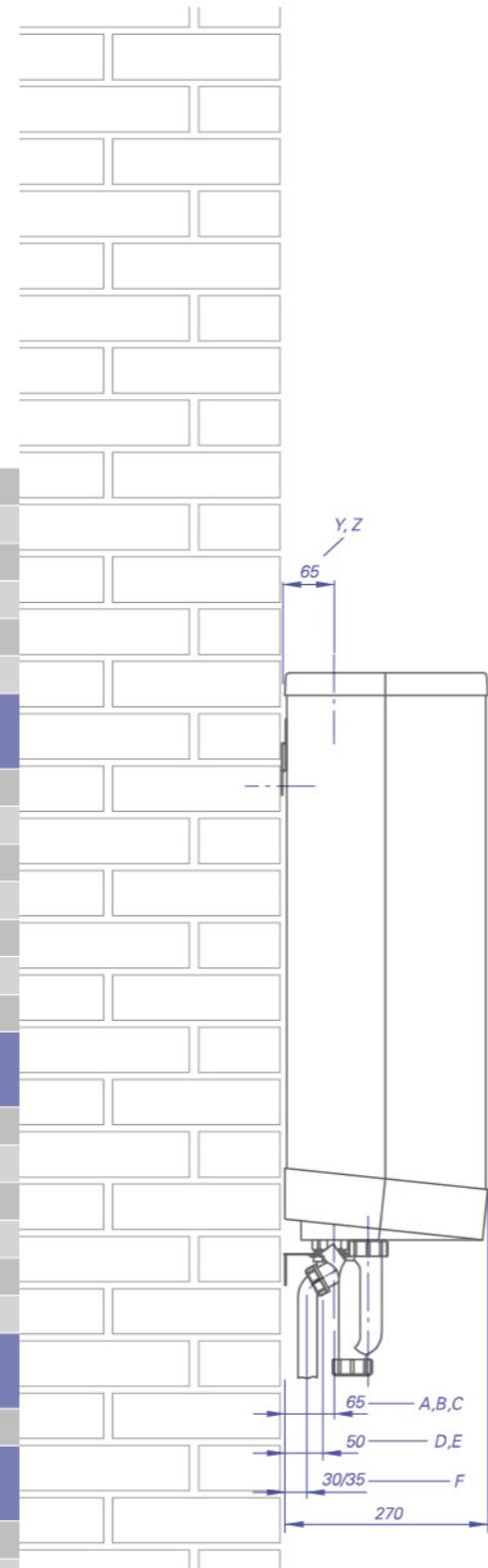


## Condensing gas boiler



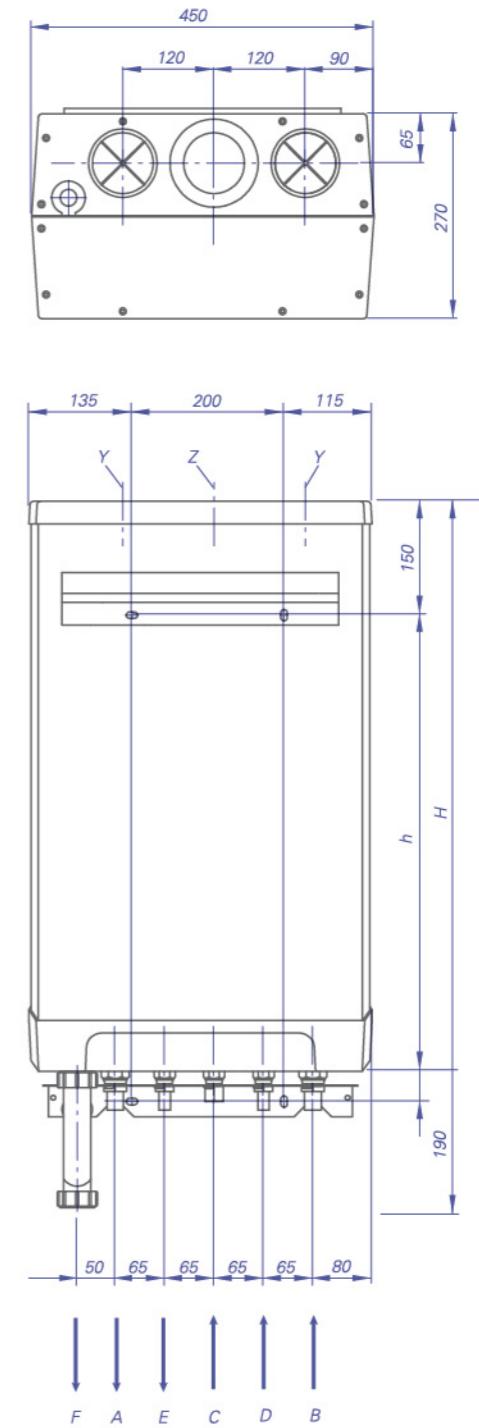
\*The maximum CH power for HR 28/24 and HR 36/30 is set to 70% of the highest value at the factory

Art. number	3014	3011	3012	3013	
Appliance category	B13; B33; C13; C 33; C 43; C53; C63; C83				
Gas inlet pressure	20 Mbar				
Suitable for gas					
Technical data	Solo Kompakt	Kombi Kompakt			
	KS HR 12	HR 22 (24/18)	HR 28/24	HR 36/30	
<b>Domestic hot water</b>					
Nom. load upper value	kW	n/a	7.2 - 27.0	7.9 - 31.7	8.0 - 36.3
Nom. load lower value	kW	n/a	6.5 - 24.3	7.1 - 28.5	7.2 - 32.7
Nom. power	kW	n/a	7.1 - 23.0	7.8 - 27.5	8.0 - 31.5
Domestic hot water threshold	l/min.	n/a	2	2	2
Domestic hot water quantity 60°C	l/min.	n/a	6	7.5	9
Domestic hot water quantity 40°C (mixed)	L/min.	n/a	10	12.5	15
Max. domestic hot water temperature	°C	n/a	65	65	65
<b>CH</b>					
Nom. load upper value	kW	3.6 - 12	7.2 - 24.6	7.9 - 26.3 (*)	8.0 - 30.3 (*)
Nom. load lower value	kW	3.5 - 11.8	6.5 - 22.1	7.1 - 23.7 (*)	7.2 - 27.3 (*)
Nom. power at 80/60°C	kW	3.5 - 11.7	6.3 - 21.4	6.9 - 22.6 (*)	7.0 - 26.2 (*)
Nom. power at 50/30°C	kW	3.9 - 12.4	6.9 - 21.7	7.5 - 23.0 (*)	7.7 - 26.8 (*)
Max. CH water pressure	bar	3	3	3	3
Max. CH water temperature	°C	90	90	90	90
<b>Other data</b>					
Gas consumption G20	m³/h	0.35 - 1.28	0.67 - 2.24	0.75 - 2.95	0.75 - 3.40
<b>Electrical data</b>					
Mains voltage	V	230	230	230	230
Safety class		IP44	IP44 (B(.)=IP20)	IP44 (B(.)=IP20)	IP44 (B(.)=IP20)
Consumed power: full load	W	105	105	105	105
Consumed power: partial load	W	40	40	40	40
Consumed power: standby	W	2.4	2.4	2.4	2.4
<b>Overall dimensions and weight</b>					
Height	mm	750	750		
Width	mm	450	450		
Depth	mm	270	270		
Weight	kg	34	36		



Overall dimensions mm [±5]

A=	CH flow	22 mm diameter	h=	670 mm	Kombi Kompakt HR 36/30
B=	CH return	22 mm diameter		610 mm	Kombi Kompakt HR 22 & HR 28/24 & SK HR 12
C=	Gas	15 mm diameter	H=	810 mm	Kombi Kompakt HR 36/30
D=	Cold water	15 mm diameter		750 mm	Kombi Kompakt HR 22 & HR 28/24 & SK HR 12
E=	Domestic hot water	15 mm diameter	Z=	Flue gas outlet	80 mm diameter
F=	Condensate	32 mm dia (after siphon 25 mm dia flexible)	Y=	Air supply inlet	80 mm diameter

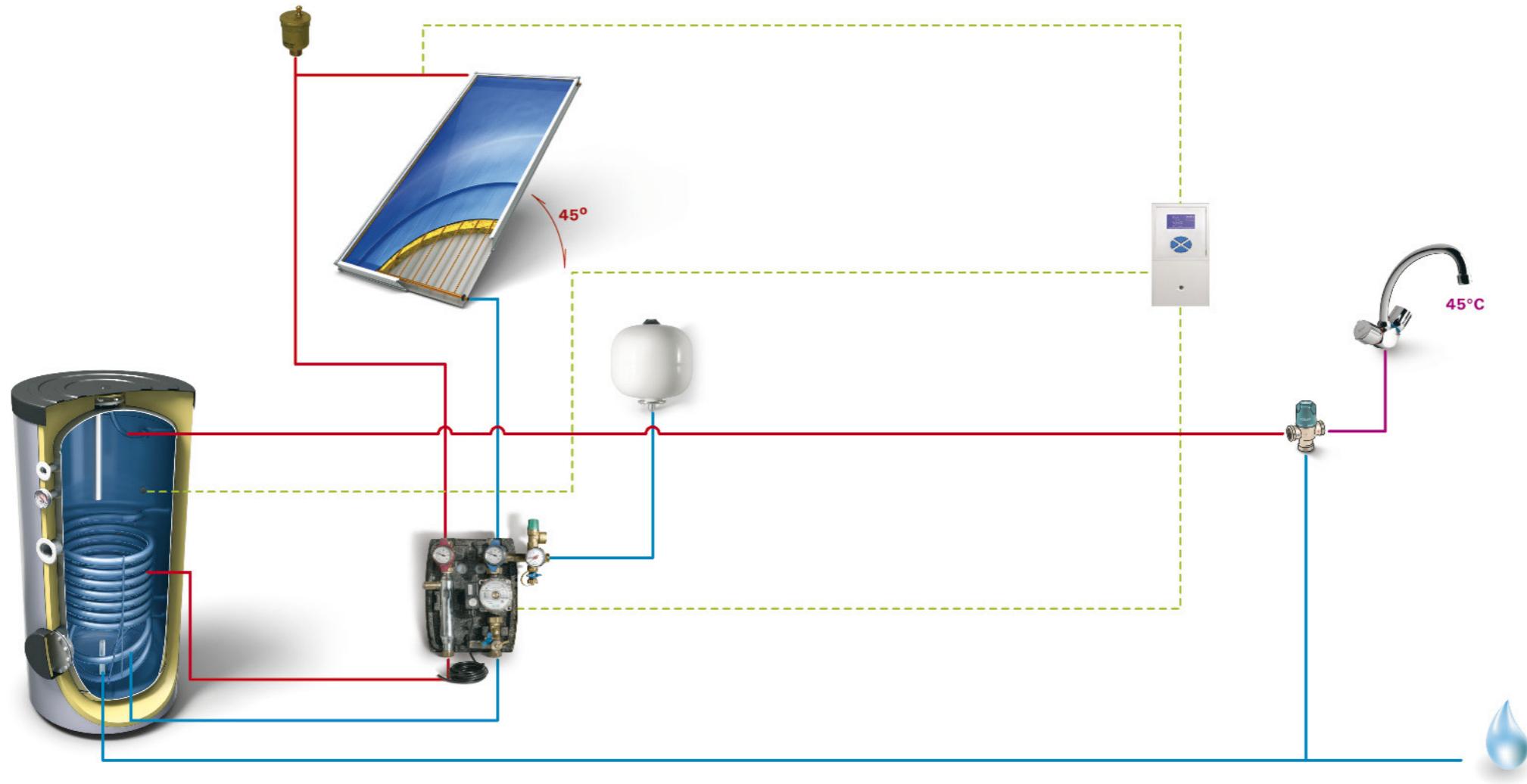




NAME	Art. N	pic	diameter, Ø	use for	NAME	Art. N	pic	diameter, Ø	use for
CONNECTION KIT	3501			HR KK & KS	ELBOW 90°	3514		80	HR KK, KS, GBR & GBA
FLUE KIT	3502		60/100	HR KK & KS	CONDENSING SEPARATOR	3515		80	GBR & GBA
FLUE KIT	3519		80/80	HR KK, KS, GBR & GBA	EXTENSION 0.5m	3516		80	HR KK, KS, GBR & GBA
FLUE KIT	3503		60/100	GBR & GBA	EXTENSION 1m	3517		80	HR KK, KS, GBR & GBA
COAXIAL ELBOW 45°	3508		60/100	HR KK, KS, GBR & GBA	EASYSERMOOTE	3504			GBR & GBA
COAXIAL ELBOW 90°	3509		60/100	HR KK, KS, GBR & GBA	WIRELESS ROOM THERMOSTAT	3505			GBR & GBA + HR KK, KS
COAXIAL EXTENSION 0.5m	3510		60/100	HR KK, KS, GBR & GBA	WIRE ROOM THERMOSTAT	3506			GBR & GBA + HR KK, KS
COAXIAL EXTENSION 1m	3511		60/100	HR KK, KS, GBR & GBA	OUTDOOR SENSOR	3507			GBR & GBA + HR KK, KS
COAXIAL EXTENSION WITH FLANGE 90mm	3512		60/100	GBR & GBA	MIXING VALVE	3518			HR KK, GBR & GBA
ELBOW 45°	3513		80	HR KK, KS, GBR & GBA					



## Solo systems



Title of the system	TESY SS 120 / SP06	TESY SS 150 / SP06	TESY SS 200 / SP06	TESY SS 300 / SP06	TESY SS 500-6 / SP06	TESY SS 500-8 / SP06
Art. number	N/A	N/A	3411	3412	3413	N/A
Household	up to 2 persons	2 - 3 persons	3 - 4 persons	4 - 5 persons	6 - 7 persons	8 - 10 persons
Consumption of hot water, l / day (used in solar system simulation)	up to 100	120	150 - 200	200 - 250	300 - 350	400 - 500
Maximum available quantity of hot water (MIX 45°), liters (Water heater potential)	98 l stored	127 l stored	225 l stored	330 l stored	553 l stored	
Water heater with indirect heating	O GCV9S 120 45 XX A03 TSRP	GCV9S 150 45 XX A03 TSRP	EV9S 200 60 F40 TP	EV12S 300 65 F41 TP	EV15S 500 75 F42 TP	
Solar panels	S SP 06 200 CS	SP 06 200 CS	2 x SP 06 200 CS	3 x SP 06 200 CS	4 x SP06 200 CS	5 x SP06 200 CS
Solar hydraulic group	S Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 7000	
Solar expansion vessel	S VS 12	VS 12	VS 12	VS 12	VS18	
Solar controller set with thermo sensor	S S230	S230	ELIOS X3	ELIOS X3	ELIOS X3	
Thermo transfer fluid (concentrate)	S 10 l	10 l	10 l	20 l	20 l	
Flexible compensators	S -	-	2 x RS341 S00 DN 16 KIT	4 x RS341 S00 DN 16 KIT	6 x RS341 S00 DN 16 KIT	8 x RS341 S00 DN 16 KIT
Automatic air vent	S MV 15 SOL	MV 15 SOL	MV 15 SOL	MV 15 SOL	MV 15 SOL	
Compression fitting for copper pipe Ø 22 mm - G 3/4"	S 2 x 02707874	2 x 02707874	2 x 02707874	2 x 02707874	2 x 02707874	
Fitting for solar thermoprobe	S 204 34 KIT	204 34 KIT	204 34 KIT	204 34 KIT	204 34 KIT	
Roof Stand **	O MS FR or MS TR	MS FR or MS TR	MS FR and MS FR+ or MS TR	MS FR and MS FR+ or MS TR	MS FR and MS FR+ or MS TR	
Thermostatic mixer	O MMVS 15	MMVS 15	MMVS 15	MMVS 15	MMVS 15	
Electrical heater sets	O 1.5 kW or 2 kW or 3 kW	1.5 kW or 2 kW or 3 kW	3 kW and /or 6 kW	3 kW and /or 6 kW	4.5 kW and /or 6 kW	

► All systems are designed for latitude between ~ 35° N to 50° N, and altitude between ~ 0 m to 1000 m! For different climatic condition,

Please contact TESY Ltd

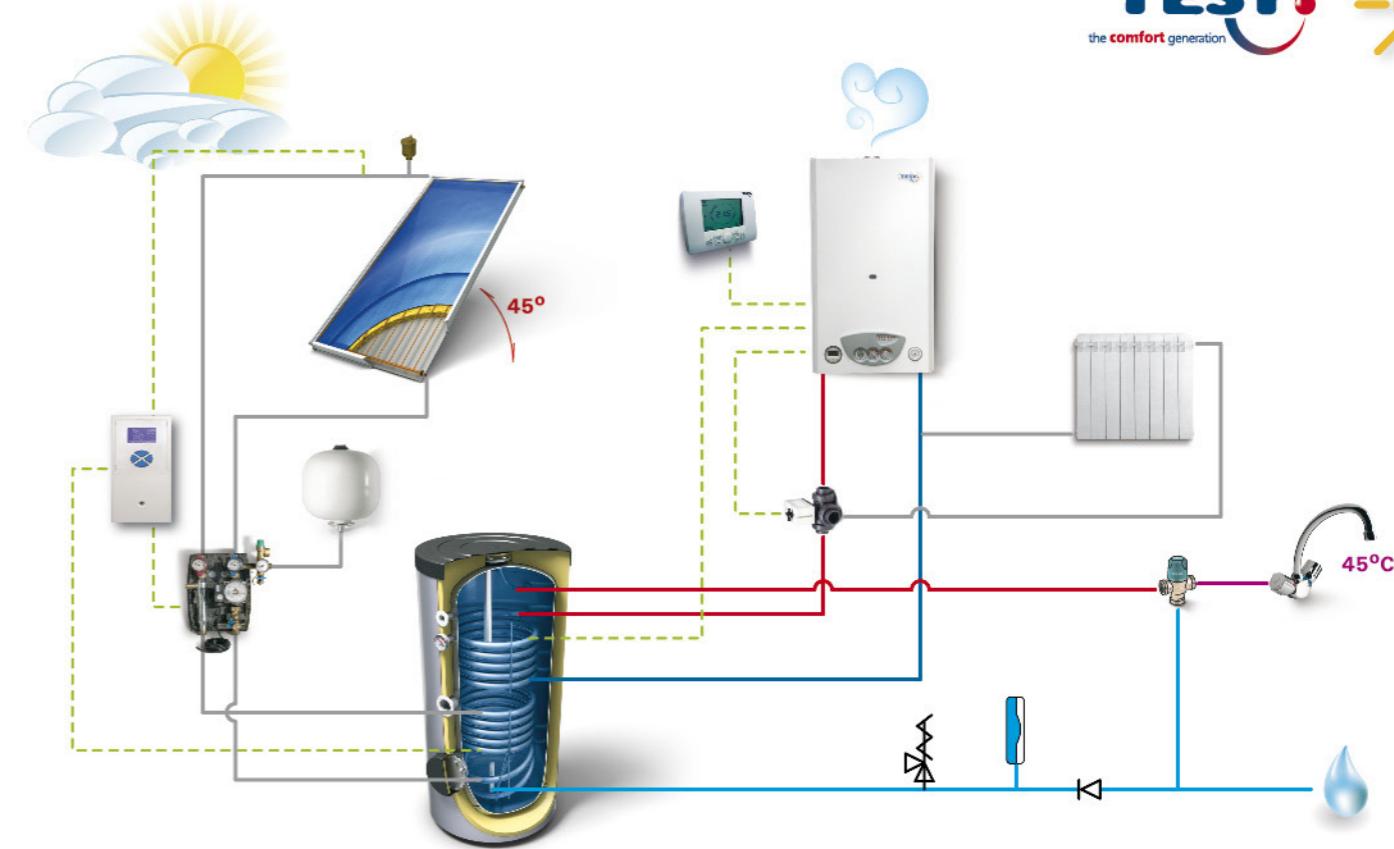
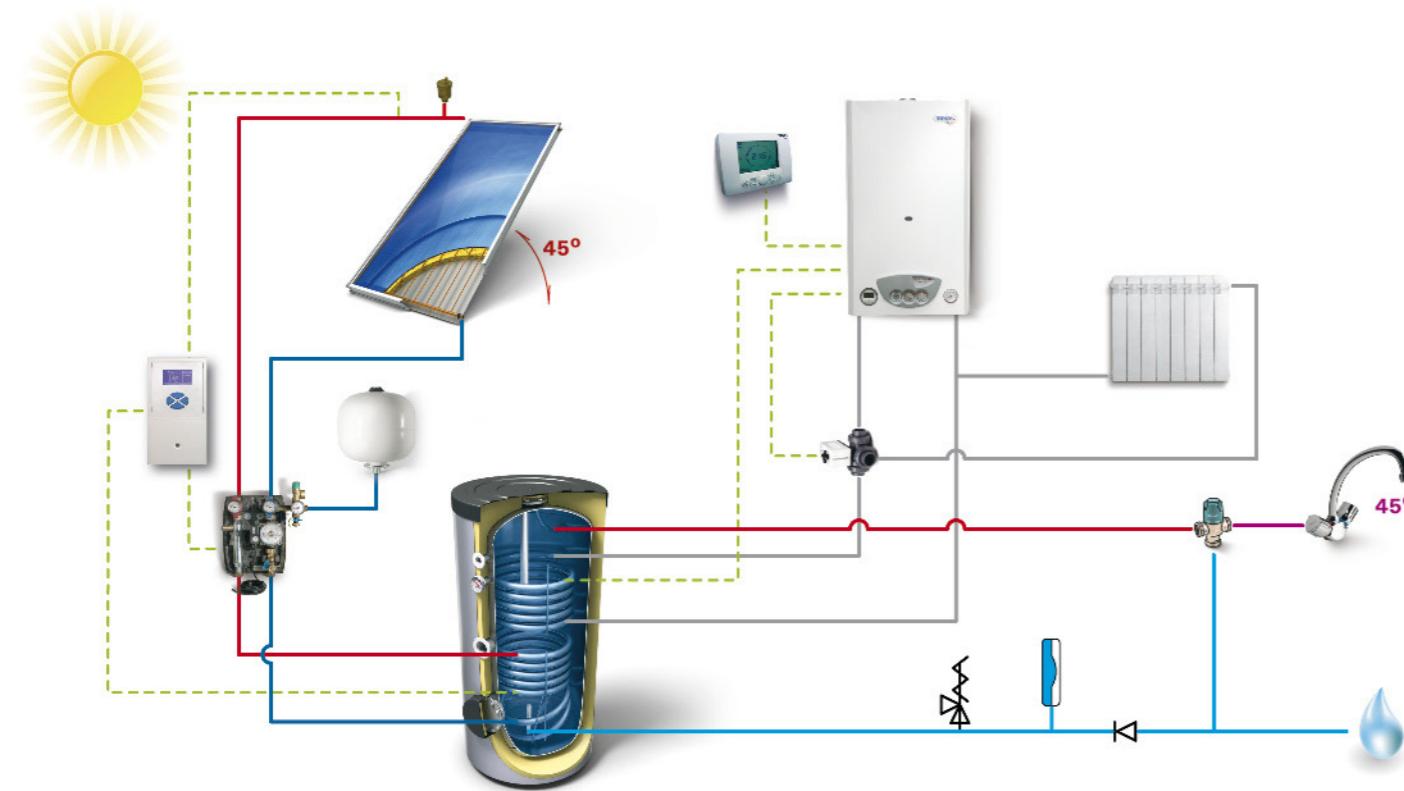
► For more details about system designing, Please refer to instruction manual!

► S – Standard; O - Optional

The design and the technical data specified in the catalogue are subject of change without notice.



## Combi systems



Title of the system	TESY CS 120 / SP06	TESY CS 150 / SP06	TESY CS 200 / SP06	TESY CS 300 / SP06	TESY CS 500-6 / SP06	TESY CS 500-8 / SP06
Household	up to 2 persons	2 - 3 persons	3 - 4 persons	4 - 5 persons	6 - 7 persons	8 - 10 persons
Consumption of hot water, l / day (used in solar system simulation)	100 l	120	150 - 200	200 - 250	300 - 350	400 - 500
Maximum available quantity of hot water (MIX 45°), liters (Water heater potential)	98 l stored	127 l stored	225 l stored	330 l stored	553 l stored	
Water heater with indirect heating	O GCV7/4S2 120 45 XX A03 TSRP	GCV7/4S2 150 45 XX A03 TSRP	EV7/5S2 200 60 F40 TP	EV10/7S2 300 65 F41 TP	EV13/9S2 500 75 F41 TP	
Solar panels	S SP 06 200 CS	SP 06 200 CS	2 x SP 06 200 CS	3 x SP 06 200 CS	4 x SP 06 200 CS	5 x SP 06 200 CS
Solar hydraulic group	S Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 7000	
Solar expansion vessel	S VS 12	VS 12	VS 12	VS 12	VS 12	VS18
Solar controller set with thermo sensor	S S230	S230	ELIOS X3	ELIOS X3	ELIOS X3	
Thermo transfer fluid	S 10 l	10 l	10 l	20 l	20 l	
Flexible compensators	S -	-	2 x RS341 S00 DN 16 KIT	4 x RS341 S00 DN 16 KIT	6 x RS341 S00 DN 16 KIT	8 x RS341 S00 DN 16 KIT
Automatic air vent	S MV 15 SOL	MV 15 SOL	MV 15 SOL	MV 15 SOL		2 x 02707874
Compression fitting for copper pipe Ø 22 mm – G 3/4"	S 2 x 02707874	2 x 02707874	2 x 02707874	2 x 02707874		204 34 KIT
Fitting for solar thermoprobe	S 204 34 KIT	204 34 KIT	204 34 KIT	204 34 KIT	MS FR and MS FR+ or MS TR	
Roof Stand	O MS FR or MS TR	MS FR or MS TR	MS FR and MS FR+ or MS TR	MS FR and MS FR+ or MS TR		MMVS 15
Thermostatic mixer	O MMVS 15	MMVS 15	MMVS 15	MMVS 15		4.5 kW and /or 6 kW
Electrical heater sets	O 1.5kW or 2kW or 3kW	1.5kW or 2kW or 3kW	3 kW and /or 6 kW	3 kW and /or 6 kW		
Gas boiler:						
- Atmospheric, sealed chamber	O - GBA16XXSN11	- GBA16XXSN11	- GBA16XXSN11	- KK HR 12 or	- KK HR 24/18 or	- KK HR 28/24 or
- Condensing premix	O - KK HR 12	- KK HR 12	- KK HR 24/18	- KK HR 24/24	- KK HR 36/30	- KK HR 36/30
Three way diverting valve	O VC6013 / VC4013 / 15AS50 (depending on gas boiler type)	VC6013 / VC4013 / 15AS50 (depending on gas boiler type)	VC6013 / VC4013 / 15AS50 (depending on gas boiler type)	VC6013 / VC4013 (depending on gas boiler type)		VC6013 / VC4013 (depending on gas boiler type)
Thermoprobe - storage tank	O ST07 / T7335B (depending on gas boiler type)	ST07 / T7335B (depending on gas boiler type)	ST07 / T7335B (depending on gas boiler type)	T7335B		T7335B
Remote gas boiler control	O EASYREMOTE	EASYREMOTE	EASYREMOTE	EASYREMOTE		EASYREMOTE

All systems are designed for latitude between ~ 35° N to 50° N, and altitude between ~ 0 m to 1000 m! For different climatic condition,

Please contact TESY Ltd

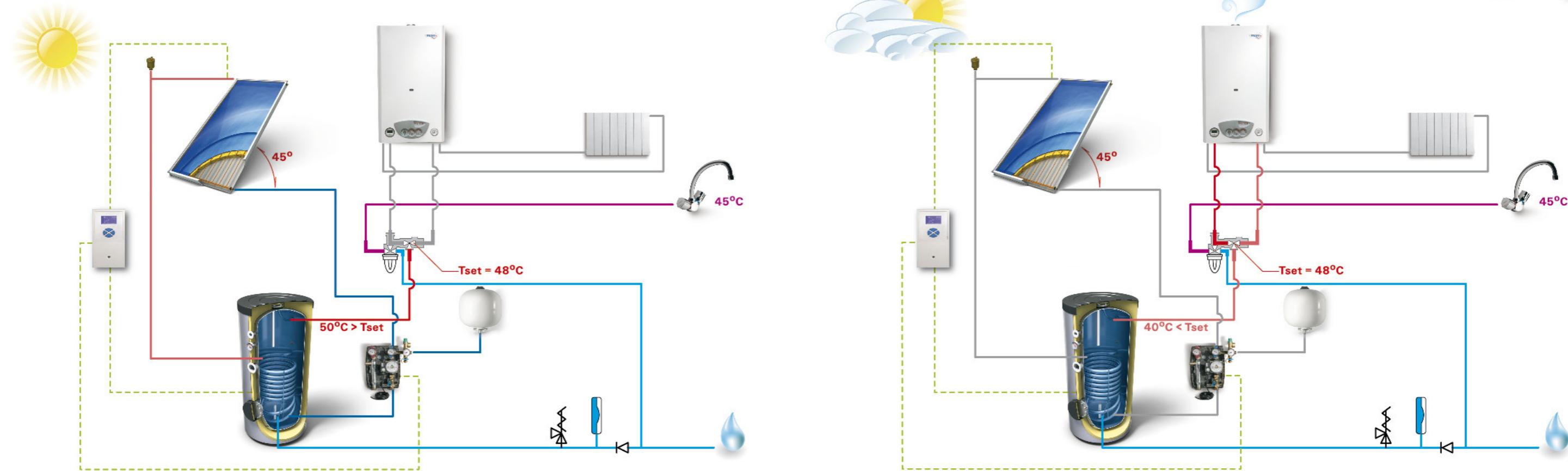
For more details about system designing, Please refer to instruction manual!

S – Standard; O – Optional

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## Combi compact systems



Title of the system	TESY CCS 120 / SP06	TESY CCS 150 / SP06	TESY CCS 200 / SP06	TESY CCS 300 / SP06
Household	up to 2 persons	2 - 3 persons	3 - 4 persons	4 - 5 persons
Consumption of hot water, l / day (used in solar system simulation)	up to 100	120	50 - 200	200 - 250
Maximum available quantity of hot water (MIX 45°), liters (Water heater potential)	- 98 l stored - Continuous supply by gas boiler	- 127 l stored - Continuous supply by gas boiler	- 225 l stored - Continuous supply by gas boiler	- 330 l stored - Continuous supply by gas boiler
Water heater with indirect heating	O GCV9S 120 45 XX A03 TSRP	GCV9S 150 45 XX A03 TSRP	EV9S 200 60 F40 TP	EV 12S 300 65 F41 TP
Solar panels	S SP 06 200 CS	SP 06 200 CS	2 x SP 06 200 CS	3 x SP 06 200 CS
Diverting and mixing group	S 500.157.B	500.157.B	500.157.B	500.157.B
Solar hydraulic group	S Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 8010 Single	Flow Box 8010 Single
Solar expansion vessel	S VS 12	VS 12	VS 12	VS 12
Solar controller set with thermo sensor	S S230	S230	ELIOS X3	ELIOS X3
Thermo transfer fluid	S 10 l	10 l	10 l	20 l
Flexible compensators	S -	-	2 x RS341 S00 DN 16 KIT	4 x RS341 S00 DN 16 KIT
Automatic air vent	S MV 15 SOL	MV 15 SOL	MV 15 SOL	MV 15 SOL
Compression fitting for copper pipe Ø fff22 mm – G 3/4"	S 2 x 02707874	2 x 02707874	2 x 02707874	2 x 02707874
Fitting for solar thermoprobe	S 204 34 KIT	204 34 KIT	204 34 KIT	204 34 KIT
Roof Stand	O MS FR or MS TR	MS FR or MS TR	MS FR and MS FR+ or MS TR	MS FR and MS FR+ or MS TR
Thermostatic mixer	O MMVS 15	MMVS 15	MMVS 15	MMVS 15
Electrical heater sets	O 1.5kW or 2kW or 3kW	1.5kW or 2kW or 3kW	3 kW and /or 6 kW	3 kW and /or 6 kW
Gas boiler:				
- Atmospheric sealed chamber	O - GBA24XXSN21	- GBA24XXSN21	- GBA24XXSN21 or - GBA28XXSN21	- GBA24XXSN21 or - GBA28XXSN21
- Condensing premix	O - KK HR 24/18	- KK HR 24/18	- KK HR 24/18 or - KK HR 28/24	- KK HR 24/18 - KK HR 28/24
Remote gas boiler control	O EASYREMOTE	EASYREMOTE	EASYREMOTE	EASYREMOTE

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Please contact TESY Ltd

For more details about system designing, Please refer to instruction manual!

S - Standard; O - Optional

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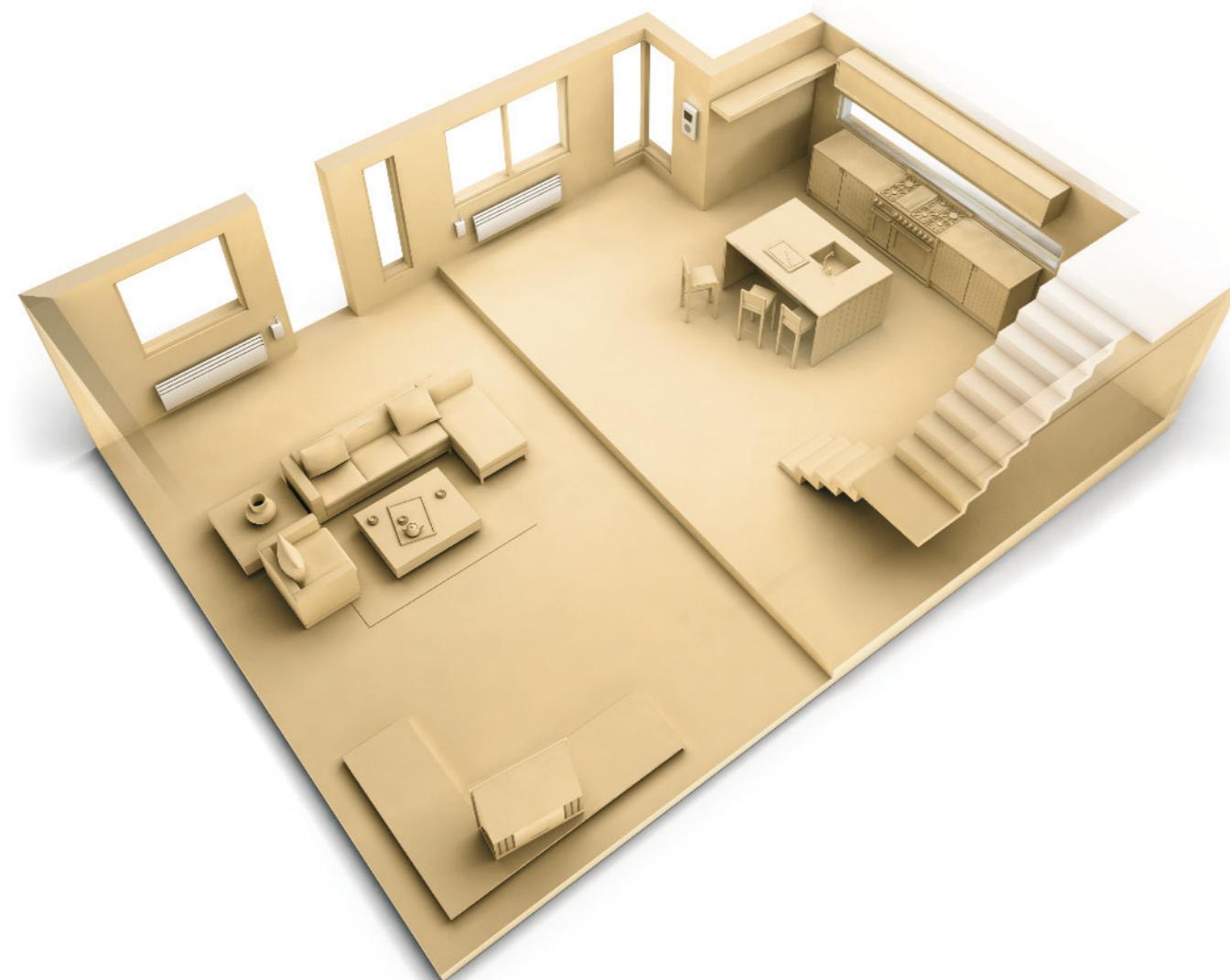
## Wireless single zone central heating system

This system is used for control of several convectors in one way setting.  
The room temperature can be controlled automatically in 3 regimes: economic, comfort and frost protection.

Components:

- Radio-controlled programmable thermostat;
- Convector with receiver;

Accessories:



## Wireless multiple zone central heating system

This system is used for control of convectors in several (from 1 to 4) zones. Each zone (room) can be controlled independently.  
The room temperature in each zone can be controlled automatically by 3 regimes: economic, comfort and frost protection like no zone system.

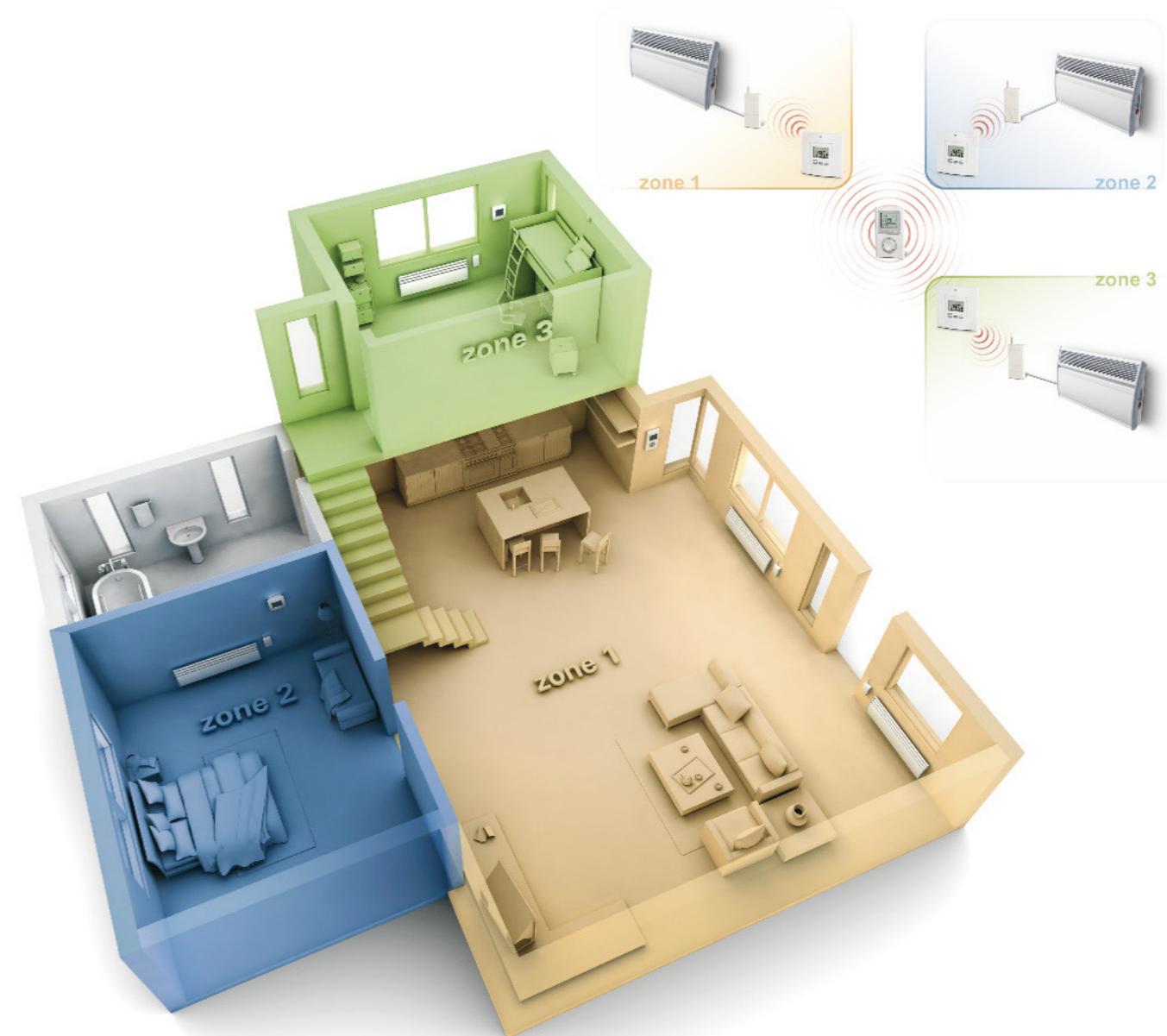
Components:

- One multiple zone radio-controlled programmable thermostat
- Simple thermostats according to number of zones (up to 4)
- Convectors with receivers

Accessories:



An example of 3 heating zones is shown on the picture.



\* - receivers number depends on how much convectors you are going to use.

\*\* - convectors number depends on how much heating zones you are going to set up.

The number of convectors depends on the size of the room you are going to heat up - no limits in convectors number.

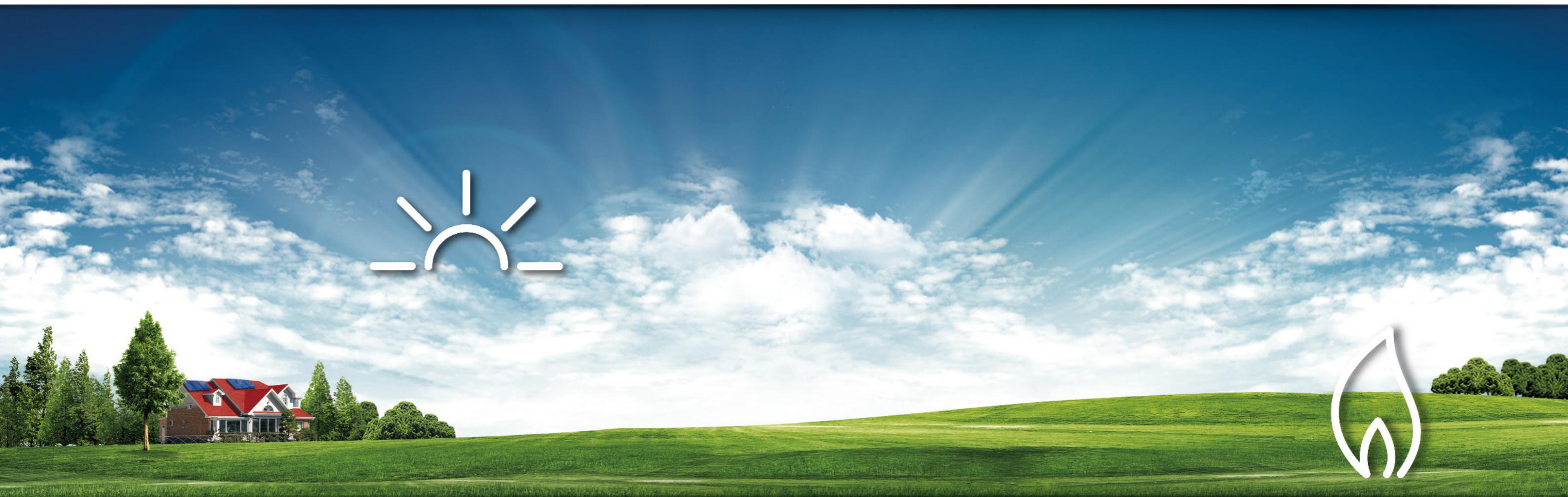
\* - receivers number depends on how much convectors you are going to use.

\*\* - convectors number depends on how much heating zones you are going to set up (max. 4 zones).

The number of convectors depends on the size of the room you are going to heat up - no limits in convectors number.



**TESY**  
the **comfort** generation



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