

IHWTS FOR GAS BOILER SYSTEMS

EV 10S 120 60 Z PS and EV 15S 160 60 Z PS

- Specially designed IHWT
- Lowers the gas consumption
- Energy efficient - energy class A
- CrystalTech PRO enamel coating
- Anode protector
- Robotic welding technology
- Technology for efficient high density PU



OVERVIEW

PRO

Floor-standing indirectly heated water tanks for domestic hot water with compact external dimensions, **increased¹ surface** of the internal **powerful² heat exchanger** and conveniently located sockets for **easy³ installation** (120 l and 160 l). Suitable for installation under a wall gas boiler or an electric boiler.

1. Compared to models EV 8S 160 60 Z and EV 8S 120 55 Z
2. More information on page 4
3. Subject to compliance with the installation and commissioning requirements specified in the manufacturer's instructions



MORE ADVANTAGES

PRO

- Specially designed IHWT for domestic hot water suitable for installation under a gas boiler
- **Lowers gas consumption** at low water consumption
- Outlets in a semicircle above the top cover
- **Powerful¹ heat exchanger** for fast domestic water heating
- Energy efficient (class A for 120 l models) in compliance with the European regulations (see technical data)
- Nozzle to limit the mixing between cold and already heated water
- **CrystalTech PRO - High-quality² enamel for longer life of the water tank³**
- Anode protector for additional **anti-corrosion protection of the water tank⁴**
- Robotic welding technology for high **quality welding⁵**
- Technology for **efficient⁶ high density PU⁷ insulation** developed to keep the water **hot for longer⁸** and **lower heat losses**
- Temperature sensor opening
- Recirculation opening
- A thermometer to measure the temperature of the water
- Drainage opening

1. See page 4

2. Enamel coating according to DIN 4753-3: 2017, clauses: 6.4.3 (acid resistance), 6.5 (hygiene safety), 6.6 (stability);

3. When used correctly according to the manufacturer's instructions. Life expectancy may vary according to natural and other external factors beyond the control of the manufacturer.

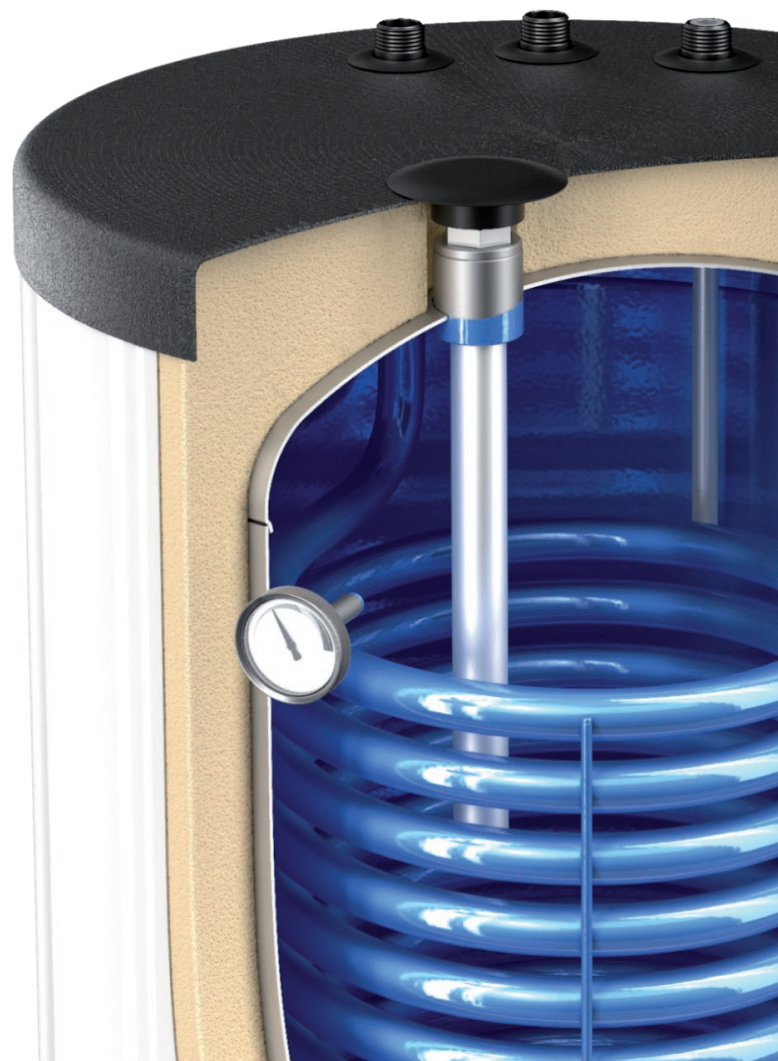
4. When used correctly according to the manufacturer's instructions. Defectiveness may vary according to natural and other factors beyond the control of the manufacturer.

5. The water tank of the appliance is designed according to the requirements of BDS EN 12897: 2016

6. Insulation corresponding to energy class A+ / A / B / C (according to the model of the appliance)

7. Polyurethane foam

8. Compared to TESI appliances that did not use the insulation specified



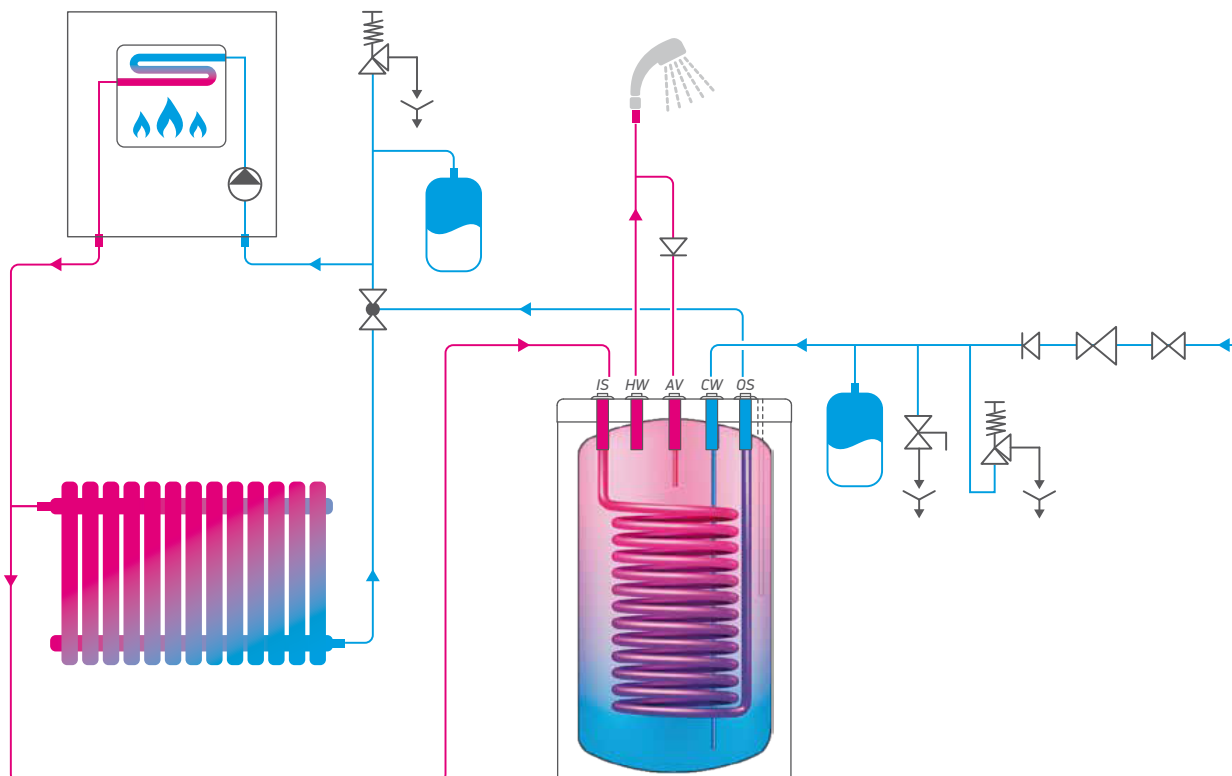
MODEL SPECIFICATIONS

PRO

MODEL		TESY EV 10S 120 60 Z PS	TESY EV 15S 160 60 Z PS
Art.number	Nº	304969	305077
Capacity	L	114	150
Net weight	kg	64	68
Insulation (rigid PU)	mm	50	50
Heat exchanger surface S1	m ²	1	1,52
Heat exchanger capacity S1	L	6,2	9,5
Exchanged power in continuous mode (max coil output) S1 *60-80°C / 50-60°C	kW	22,4/11,4	44,7/23,0
Continuous flow rate of DHW at ΔT 35°C S1 *60-80°C / 50-60°C	L/h	551/282	1103,8/568,4
Heat losses ΔT 45K	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)	kW/(l/min)	17,7/15,0	25,1/16,6
V40 -hot water delivered with a temperature of at least 40 °C (S1)	L	176	230,5
Reheat time 10-60°C rate at primary side (S1)	min/(l/min)	20,3/15,0	18,51/16,6
Coil Pressure drop at flow rate (S1)	mBar/(l/min)	32,9/15,0	58,2/16,6
Performance index NL without additional heating (S1)	-	1,1	2

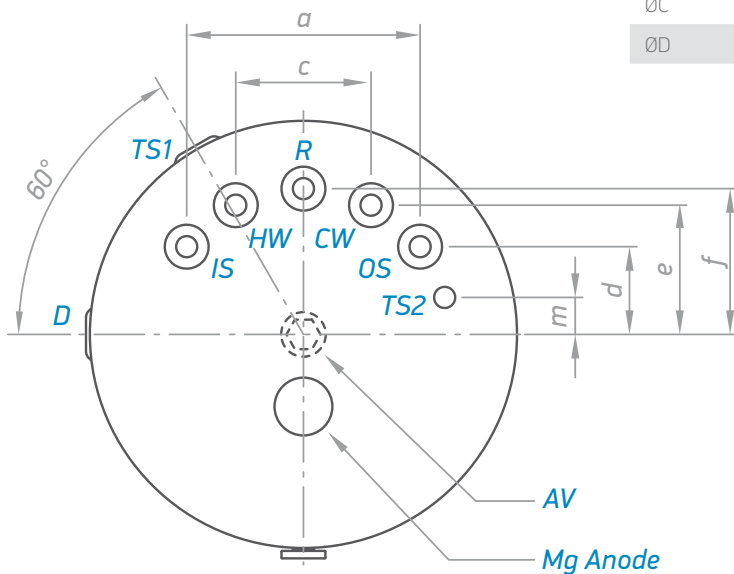
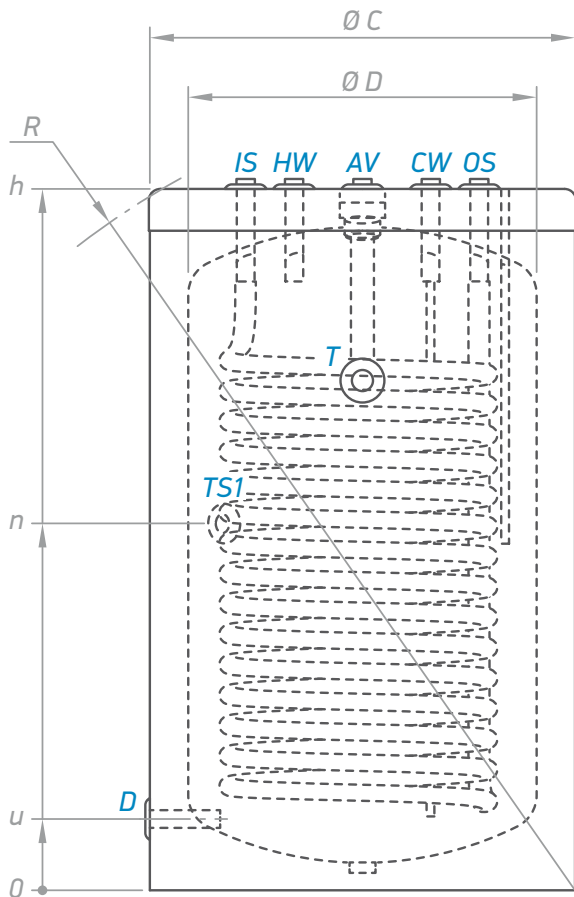
* - outlet - inlet temperature of the heat transfer fluid

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



MODEL DIMENSIONS

PRO



MODEL		TESY EV 10S 120 60 Z PS	TESY EV 15S 160 60 Z PS
CW	cold water inlet	G ¾"B	G ¾"B
HW	hot water outlet	G ¾"B	G ¾"B
IS1	heat exchanger inlet	G ¾"B	G ¾"B
OS1	heat exchanger outlet	G ¾"B	G ¾"B
R	recirculation	G ¾"B	G ¾"B
T	thermometer	Ø14x1.5	Ø14x1.5
TS1	thermo pocket 1	Ø10x1.5	Ø10x1.5
TS2	thermo pocket 2	Ø16x1.5	Ø16x1.5
D	drainage	G ½"	G ½"

Thread designations according to EN ISO 228-1!

Dimensions ±5mm	UNITS	TESY EV 10S 120 60 Z PS	TESY EV 15S 160 60 Z PS
h	mm	797	1001
a	mm	330	330
b	mm	-	-
c	mm	192	192
d	mm	125	125
e	mm	183	183
f	mm	206	207
m	mm	54	53
n	mm	350	526
u	mm	100	100
R	mm	996	1167
ØC	mm	600	600
ØD	mm	500	500