



TRIANCO

OIL FIRED CONDENSING BOILER
TRO EVOLUTION INC. DHW ACCU



HIGH PERFORMANCE
STAINLESS STEEL CONDENSER
CAST IRON HEAT EXCHANGER
POLYPROPYLENE FLUE DUCTS
PRODUCTION OF DHW BY ACCUMULATION



The Heating Creators

The TRO EVOLUTION INC. DHW ACCU boiler belongs to a new generation of boilers that respond to users' requirements in terms of energy-saving and ecological concerns while preserving optimal comfort and reliability.

Silent

The effective acoustic insulation of the body and the boiler housing, as well as the use of an airtight burner, makes this boiler a discrete companion.

Ecological

The TRO EVOLUTION INC. DHW ACCU boiler permits the reduction of contaminating CO₂ emissions, contributing to the reduction of the greenhouse effect, as this boiler consumes less energy than a conventional boiler to provide the same power and performance.

Cast Iron Heat Exchanger

DHW stainless steel tank

The high quality material that the tank is made of, reduces maintenance costs and avoids leaks caused by corrosion.

Odourless

The sealed home system eliminates the risk of fuel smells from combustion because the air required for the combustion is taken from outside and the flue gases are also expelled outside without the possibility of them coming into contact with the room.

12 year heat exchanger warranty

IF TRIANCO MAGNETIC FILTER FITTED
subject to terms and conditions



TRO EVOLUTION INC. DHW ACCU

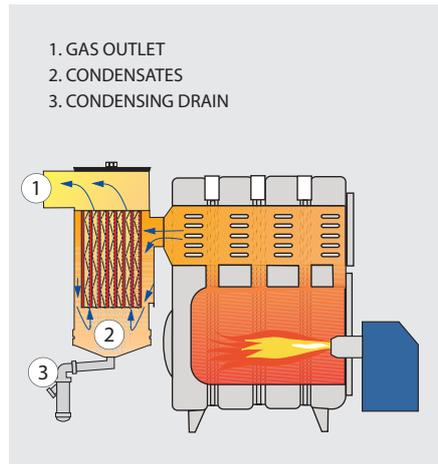
SAVINGS

The TRO EVOLUTION INC. DHW ACCU boiler takes advantage of the condensation effect of the combustion gases **reaching yields of over 104% LHV.**

The performance reflects the energetic efficiency of the fuel (LCV). When we say that we have a performance higher than 100% we are not saying that we are creating energy, it is that we are taking advantage of the latent heat of the combustion gases when we condense the steam present in these gases.

The TRO EVOLUTION INC. DHW ACCU boiler is equipped with a modulating hot water production system that stabilises the water temperature, adapting it to the temperature selected on the control panel, regardless of the water flow required and of the cold water intake temperature at any given time.

Modulation enables the continuous adaptation of the boiler power to the hot water demand at any time, allowing it to work at lower boiler temperatures.



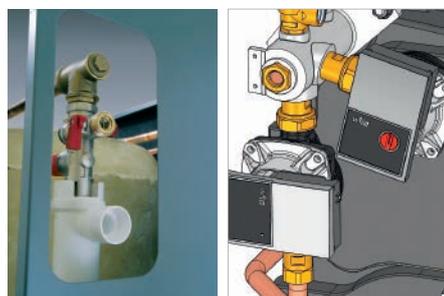
SIMPLICITY OF INSTALLATION

It is delivered completely assembled and prepared for installation with the **most complete equipment in the market.**

Amongst the equipment it must be highlighted:

- **The hot water expansion vessel** which stops the constant leaking from the DHW pressure relief unit which is also incorporated.
- **Dielectric coupling** designed exclusively by and for TRIANCO.
- **Double pump** system.
- Double safety automatic air vent.

All intakes are easily accessible from the side, making installation easy, fast and safe.



Double Pumps

SIMPLICITY OF INSTALLATION

The design simplifies the installation for the professional, allowing for fast installation. As it does not use air from the room for combustion, the boiler can even be installed in rooms without ventilation, thus making installation easier.

The boiler is controlled with an electronic system that provides considerable safety and operating advantages.

Worthy of note among these advantages are:

Safety system in case of lack of water

It prevents breakages in boiler body due to lack of water.

Pump anti-blocking system

It reduces the maintenance of the circulation pumps.

Anti-inertia system

Post-circulation system in order to prevent overheating in the boiler body.

Anti-freeze system

When the boiler temperature goes below 6°C, the boiler is activated even if it is switched off, in order to avoid problems in the system due to freezing.

Legionella prevention system

The temperature of the tank in these boilers regularly rises to 70°C, thus avoiding the formation of legionella.

OPTIONAL E20 REMOTE CONTROL

The TRO EVOLUTION INC. DHW ACCU boilers optionally permit the connection of the E20 remote control with which you can program the working hours of the boiler, the desired ambient temperature at any time, access the boiler parameters and have information about any alarms that are produced in the boiler, all of this from the place in the house where you have the remote control.

Also this option allows the installation of an outdoor temperature sensor, with which the heating system regulates depending on the outside temperature of the house, thus obtaining a more efficient performance of the heating system in function of required temperature at any time.

This way we can reduce consumption and have higher levels of comfort in the house.

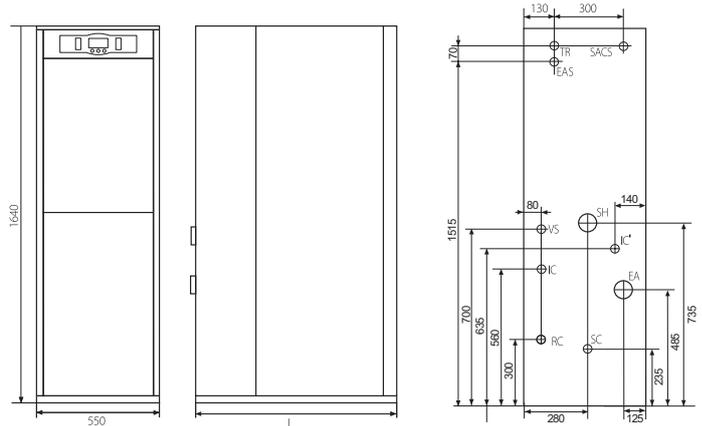


E20

DIMENSIONS

- IC: Heating flow.
- RC: Heating return.
- SACS: Domestic hot water outlet.
- EA: Air intake, Ø100.
- SH: Gas outlet, Ø100.
- TR: DHW recirculation outlet.
- EAS: Domestic cold water intake.
- IC': Optional heating flow.
- SC: Condensate outlet, 3/4" H.
- VS: Safety valve.

Model	SACS EAS	IC RC	L	SH	EA
TRO EVOLUTION 20 INC. DHW ACCU	3/4" M	3/4" M	910	100	80
TRO EVOLUTION 30 INC. DHW ACCU	3/4" M	3/4" M	910	100	80
TRO EVOLUTION 40 INC. DHW ACCU	3/4" M	1" M	950	100	80

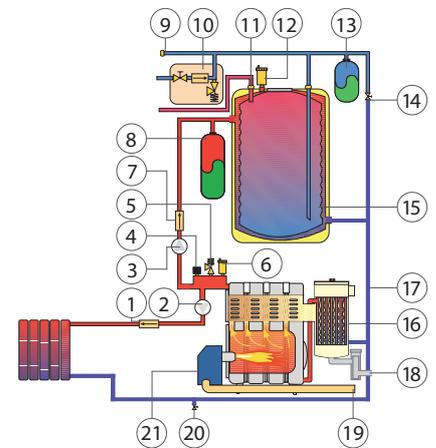


EQUIPMENT

- 1. Heating retaining valve
- 2. Heating pump
- 3. Summer pump
- 4. Pressure relief valve
- 5. Safety valve
- 6. Automatic air vent
- 7. Summer retaining valve
- 8. Heating expansion vessel
- 9. Hot water recirculation outlet
- 10. DHW pressure relief unit
- 11. Dielectric coupling
- 12. Tank automatic air vent
- 13. Hot water expansion vessel
- 14. Fill valve
- 15. Stainless steel tank
- 16. Condensing boiler
- 17. Gas outlet
- 18. Condensate drain
- 19. Air intake
- 20. Emptying valve
- 21. Sealed burner
- Telephone relay connection

OPTIONS

- Cathodic protection DX
- Remote control E20
- External probe for E20
- Underfloor heating kit SRX2/EV
- Gas discharge kit



TRO EVOLUTION INC. DHW ACCU INSTALLATION EXAMPLE

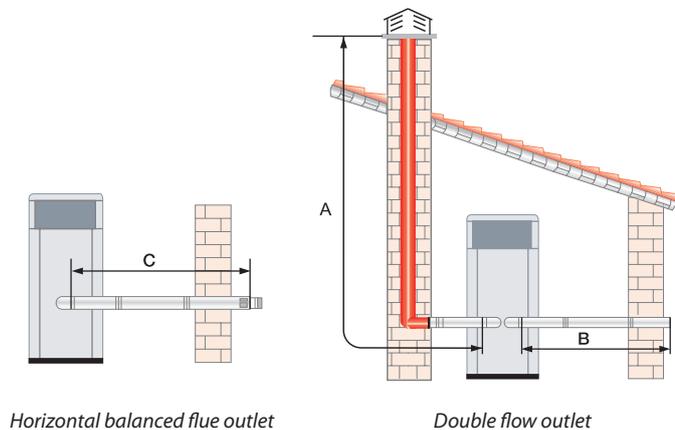
Maximum discharge length

	A+B	C	SH	EA
TRO EVOLUTION 20 INC. DHW ACCU	15 m Ø 100	8	100	80
TRO EVOLUTION 30 INC. DHW ACCU	15 m Ø 100	6	100	80
TRO EVOLUTION 40 INC. DHW ACCU	12 m Ø 100	-	100	80

Equivalences

Diameter	90° Curve	45° Curve
80/125	1 m	0.5 m
80 or 100	1 m	0.5 m

1 horizontal metre equals 2 vertical metres.
Note: Due to the low fume temperature, the gas outlet must be airtight and made of an anticorrosive material due to the condensation of the combustion gas water vapour.



Model	Nominal power 50° C / 30° C	Nominal power 80° C / 60° C	DHW flow rate L/h Δ30°C	DHW flow rate L/10 min Δ30°C	Vol. hot water tank L	Heating Efficiency Class	DHW Efficiency Class
	kW	kW					
TRO EVOLUTION 20 INC. DHW ACCU	20.3	19.1	575	275	130	A	B
TRO EVOLUTION 30 INC. DHW ACCU	30.2	28.7	846	321	130		
TRO EVOLUTION 40 INC. DHW ACCU	40.5	38.7	846	321	130		



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