

ECOKAM T

Hydraulic interface unit
between solid fuel and gas boiler

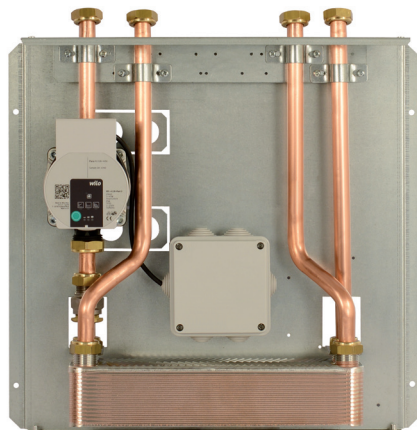
DESCRIPTION

ECOKAM T modules are used in combined gas boiler and solid fuel boiler systems (thermo-fireplaces, cooking stoves, hydro-stoves, wood and/or pellet boilers) with open or closed surge chamber. Thanks to the hydraulic separation of the circuits, it is possible to not sum the powers of the two generators as per the indications of INAIL (ex ISPESL).

ECOKAM T modules separate the gas boiler circuit from the heating system circuit.

Hydraulic interface unit for the **HEATING** function

ECOKAM T

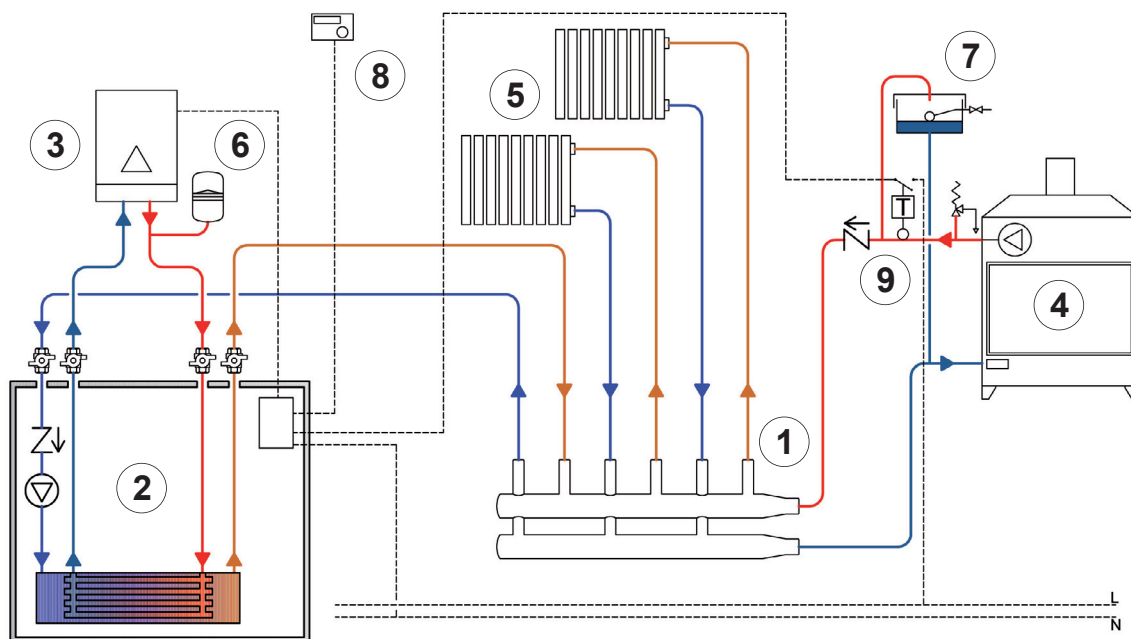


SHELL



- Hydraulic separation
- Automatic management of the gas boiler and the solid fuel boiler depending on the condition of the latter (if equipped with control system - accessory)
- Two outlet options: 24 kW and 35 kW (gas boiler power)

EXAMPLE OF USE

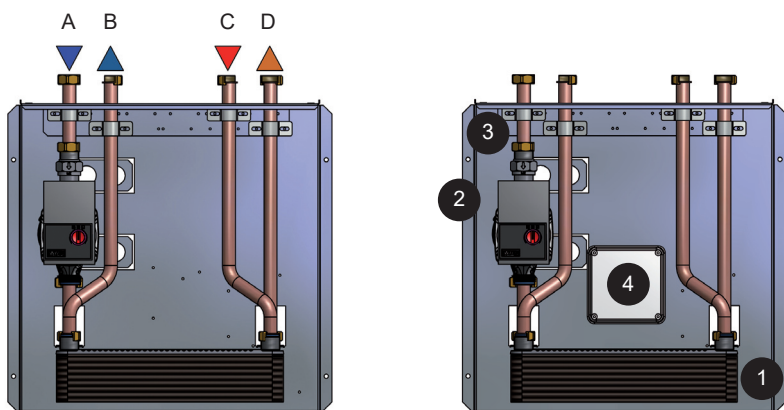


ECOKAM T

1. DIACOL MANIFOLD
2. ECOKAM T
3. GAS BOILER
4. SOLID FUEL BOILER
5. HEATING SYSTEM
6. CLOSED EXPANSION VESSEL
7. OPEN EXPANSION VESSEL
8. ROOM THERMOSTAT
9. CONTACT THERMOSTAT (INCLUDED IN THE CONTROL UNIT) - (accessory)

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COMPONENTS AND FLOWS



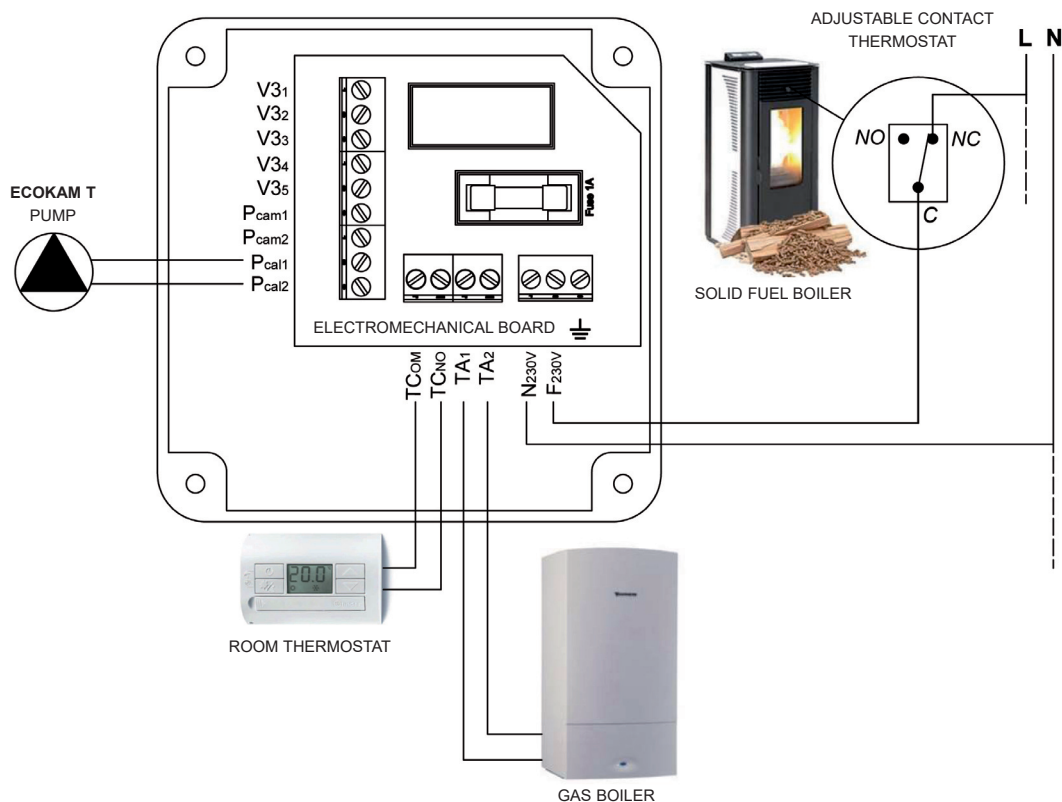
- A : Return from the system
 - B : Return to gas boiler
 - C : Flow from gas boiler
 - D : Flow to the system
- 1 : Plate exchanger
 - 2 : System pump
 - 3 : Non-return valve
 - 4 : Control unit (accessory)

Hydraulic connections
G3/4" with neutral nut

ELECTRICAL CONNECTIONS WITH CONTROL UNIT (accessory)

- Electrical supply 230V 50Hz under magnetothermal switch
- Gas boiler ambient thermostat (not supplied): free contact - TCOM / TCom terminals
- Gas boiler control - TA terminals
- Adjustable contact thermostat (supplied in the kit): to be placed on the solid fuel boiler flow discharge *
- Pump (the cable is supplied already connected)

* the adjustable contact thermostat must be connected to terminals C - NC as shown.



ECOKAM T

TECHNICAL FEATURES


HYDRAULIC CIRCUITS	
Fluid type	water VDI 2035
Max. Temperature	90°C
Max. Pressure	6 bar
PIPING	
Material	copper
Size	Ø18 mm
HYDRAULIC CONNECTIONS	
Material	brass
Size	G3/4" F with nut joint
HYDRAULIC SUPPORT	
Materiale	galvanised metal sheet 12/10
SHELL	
Material	galvanized metal sheet 10/10
Colour	RAL 9010
POWER SUPPLY	
Voltage	230V +/- 10%
Frequency	50 Hz
Maximum power consumption	55W
USAGE	
Installation	indoor environments
Room temperature range	5 - 55 °C
Humidity range	25 - 85%
EMPTY WEIGHTS	
Ecokam T	8 kg



EXCHANGERS CHARACTERISTICS

ECOKAM T • 24 kW	
Power	24 kW
PRIMARY CIRCUIT - GAS BOILER	
Flow rate	1.000 l/h
Temperature in / out	80 / 60 °C
SECONDARY CIRCUIT - HEATING	
Flow rate	1.000 l/h
Temperature in / out	50 / 70 °C
ECOKAM T • 35 kW	
Power	35 kW
PRIMARY CIRCUIT	
Flow rate	1.200 l/h
Temperature in / out	80 / 55 °C
SECONDARY CIRCUIT	
Flow rate	1.200 l/h
Temperature in / out	45 / 70 °C

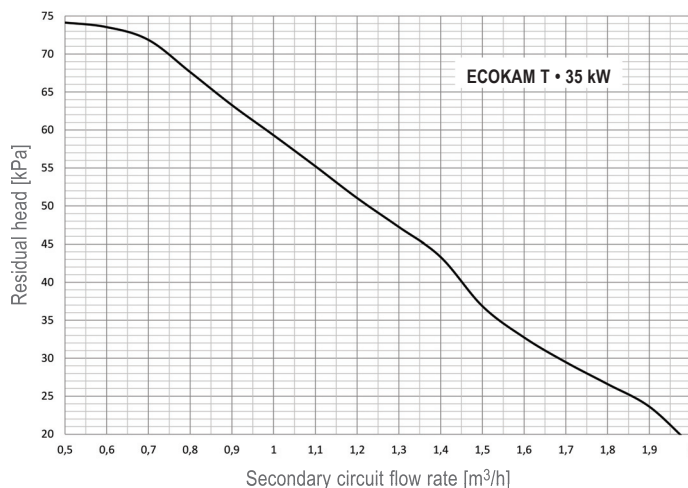
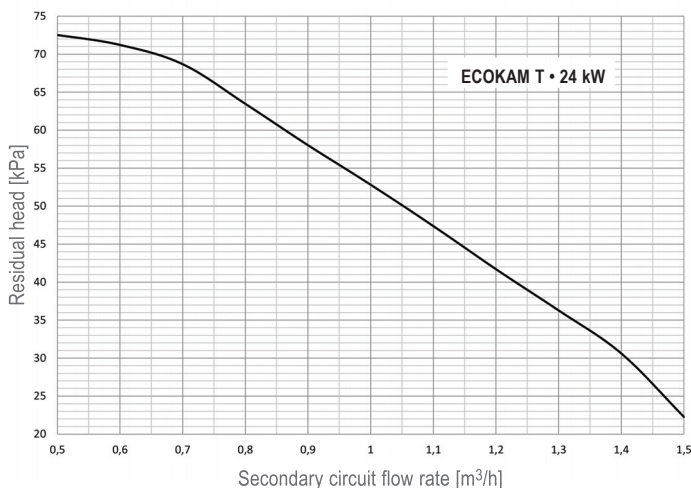
NOTE: CHOOSE THE ECOKAM T POWER ACCORDING TO THE GAS BOILER POWER

VERSIONS AND CODES

Version	Rated power	Code
 Ecokam T	24 kW	ES1P24E
	35 kW	ES1P35E

Accessories	Description	Code
	White cover • Ecokam T	CEK
	Management unit	CEGE

SECONDARY CIRCUIT RESIDUAL HEAD



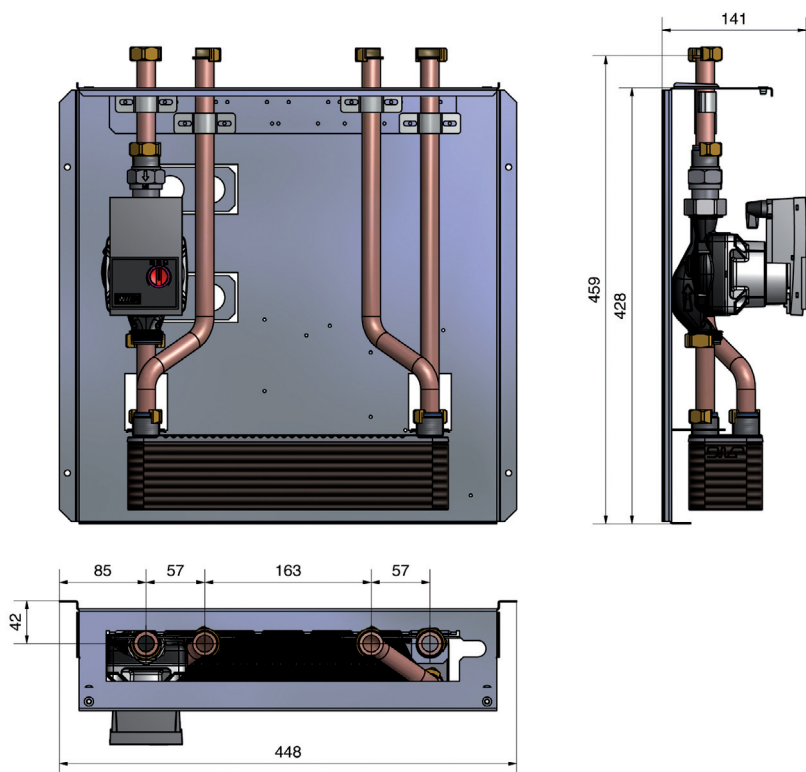
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INSTALLATION WARNINGS

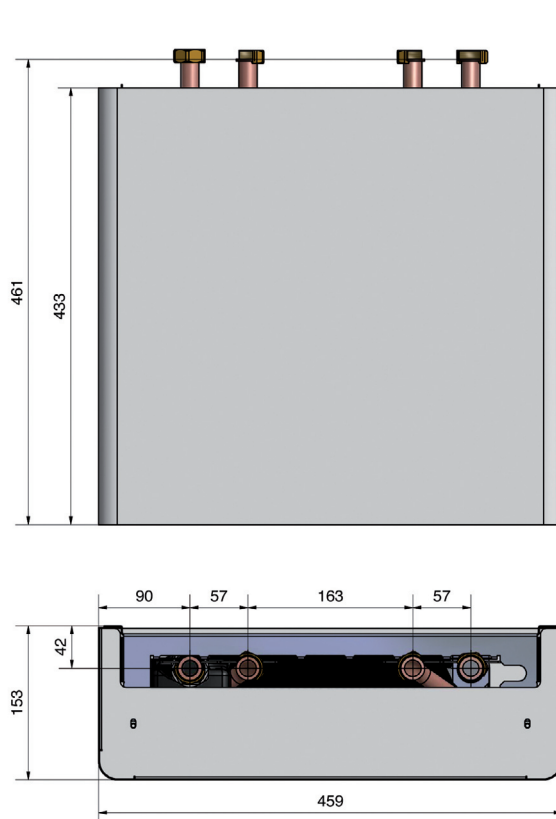
It is advisable to use hydraulic flexible connection in order to compensate for any thermal expansion and possible misalignment between the system connections.

OVERALL SIZE

WITHOUT SHELL



WITH SHELL



EXAMPLE OF SPECIFICATIONS

ECOKAM T HYDRAULIC INTERFACE UNIT for separating the gas boiler from the rest of the system with plated heat exchanger, nominal power 35 kW, ceiling-mounted installation for technical room, complete with: • braze-welded plated heat exchanger • system circuit pump • check valve. Copper pipes Ø18mm, maximum working pressure 6 bar, maximum temperature 90°C, hydraulic connections G3/4" with flat-contact nuts, electrical supply 230V 50Hz, maximum absorption 50W, dimensions 448x444x150mm.

Brand: **COMPARATO**

Code: **ES1P35E**

COVER SHELL, white powder-coated RAL9010.

Brand: **COMPARATO**

Code: **CEK**

UPDATED DATA SHEETS AVAILABLE AT www.comparato.com

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