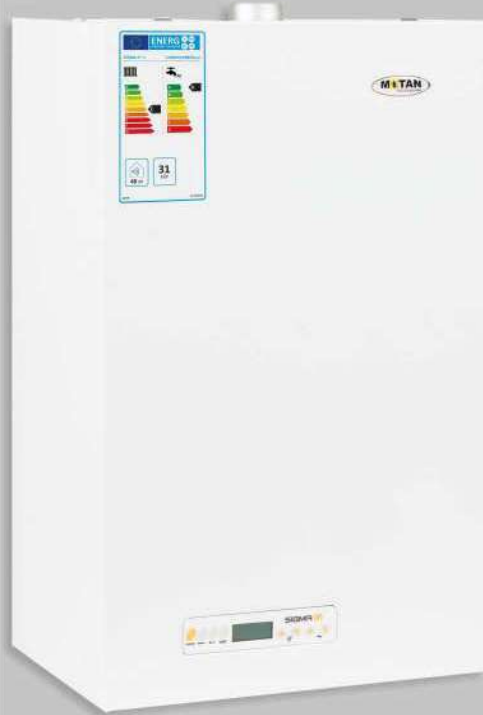
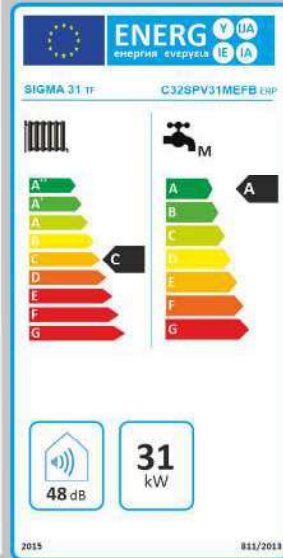


Product code: C32SPV31MEFB-ERP



## CONVENTIONAL WALL HUNG GAS BOILER, 31 kW

Comfort, safety and fiability at good price



DHW superior comfort:  
**OVERSIZED**  
secondary heat  
exchanger

Saving gas  
and electricity  
**CIRCULATION  
PUMP**  
-LOW ENERGY

LCD display



**CE** 2726<sub>21</sub>

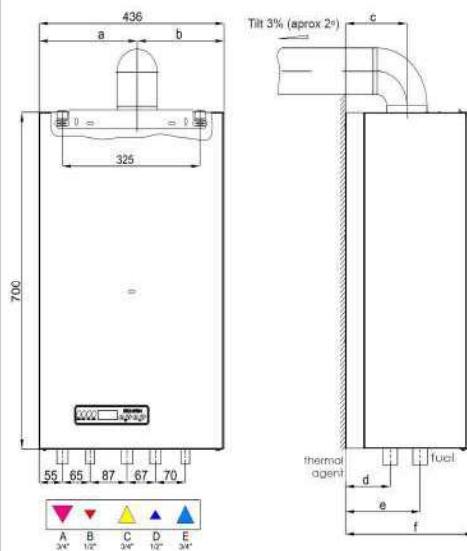
Monothermal secondary  
heat exchanger for DHW

Efficiency: 93%

Compact size

Forced draft

### Dimensions and mounting positions:



Dimensions (mm):

- a - 271 mm
- b - 165 mm
- c - 168 mm
- d - 129 mm
- e - 197 mm
- f - 328 mm

Legend:

- A - Thermal input connector
- B - Hot water output connector
- C - Fuel input connector
- D - Cold water input connector
- E - Thermal output connector

### CLIENT ADVANTAGES:

- Constant and high efficiency;
- Low electricity consumption - low energy pump; EFFICIENCY CLASS 3 stars \*\*\* according to the European directive 92/42 / EEC; respectively class C (regulation 811-814 / 2013 for the implementation of the directive of Eco-Design (ERP Directive 2009/125 / EC) and 2\*\* stars comfort on domestic hot water regime (EN13203); respectively class A (regulation 811-814 / 2013 for the implementation of the EcoDesign directive(ERP Directive) 2009/125 / EC);
- Easy to install due to compact size;
- Primary heat exchanger and secondary heat exchanger oversized;
- Possibility to connect a underfloor heating system;
- Low chalk deposits- hydroblock made of fiberglass-reinforced polyamide;
- Very good operating stability, for user set temperature on both circuits;
- Intelligent detection system for water flow and heat demand;
- Low emissions - class NOx 3 on natural gas;

**Technical and functional characteristics**

Type	C32SPV31MEFB-ERP		
Trade name	SIGMA31 TF		
Efficiency stars (dir. 92/42/CEE)	***		
Gas type	112H38/P, 12H, 12E+, 112ELL38/P, 112HS38/P		
Flue type	Forced		
Nox class (G20-12H)	4		
Thermal efficiency (G20-12H)	93.6%		
Nominal power (min./max.) (G20-12H)	9.6 - 30.8 kW		
Nominal max. consumption	≈3.51 Nm <sup>3</sup> /h		
Rated pressure gas input (G20-12H)	20 mbar		
Pressure (min/max) on thermal circuit	0,5 ÷ 3 bar		
Pressure (min/max) on DHW circuit	0,2 ÷ 8 bar		
Energy efficiency class on central heating circuit	C		
Temperature on thermal circuit	30 ÷ 80 °C		
Temperature on thermal circuit for underfloor system	15 ÷ 45 °C		
Temperature on domestic hot water circuit	35 ÷ 55 °C		
Hot water flow ΔT = 30 °C	14 l/min		
DHW comfort - EN13203	**		
DHW energy efficiency class	A		
Construction characteristics	Height (mm)	700	
	Width (mm)	436	
	Depth (mm)	328	
	Weight	36 kg	
	Capacity main heat exchanger	1.8 l	
	Connectors	Thermal input, output	3/4"
		Cold water input, hot water output	1/2"
		Gas input	3/4"
	Expansion vessel with membrane	8 l	
	Air/ gas incoming/ outgoing flue pipe	Coaxial D100/D60, Dual D80*	
Length of burnt gases connecting pipe	Coaxial max 3m; Dual 5m*		
Evacuation type	C <sub>12</sub> , C <sub>22</sub> , C <sub>32</sub> , C <sub>42</sub> , C <sub>52</sub> , C <sub>62</sub> , C <sub>72</sub> , C <sub>82</sub>		
Burnt gases (maximum temperature)	≈129 °C		
Electric characteristics	Input	~230V/50 Hz	
	Nominal power	87 W	
	Protection class	IP 40	

\* The boiler is standard delivered with 1 m co-axial flue



**SIGMA 31 WALL HUNG GAS BOILER INTEGRATE COMPONENTS OF THE BEST QUALITY:**

- Circulation pump GRUNDFOS (Denmark);
- Gas valve SIT (Italy);
- Burner WORGAS (Italy);
- Exhaust fan ELICA (Italy);
- Primary heat exchanger VALMEX (Italy)
- Expansion vessel ZILIO (Italy);
- Safety valve KRAMER (Italy);

CONVENTIONAL WALL HUNG GAS BOILER

**LIST OF ACCESSORIES AND OTHER MOTAN PRODUCTS COMPATIBLE WITH SIGMA31:**

**Product name:**

STORAGE TANK BA120L-V1  
SMART ROOM THERMOSTAT HT500  
WIRELESS ROOM THERMOSTAT HT220S SET  
ROOM THERMOSTAT HT220S

CASCADE MODULE KOBER  
FILTER WITH TRANSFORMER - 3A  
FILTER WITHOUT TRANSFORMER - 3A  
FILTER WITHOUT TRANSFORMER - 6A  
OUTSIDE TEMPERATURE SENSOR N10  
BOILER TEMPERATURE SENSOR N10  
TEMPERATURE SENSOR ST04/18/H F28

KIT D. 60/100 CT NORMAL AMTK 700507  
DUAL KIT WITH D80 CT ATMOSPHERE ADAPTER.  
VERTICAL KIT 60/100 ROOF CT ATMOSF.  
VERTICAL KIT COAXIAL CT ADAPTER ATMOSF  
VERTICAL KIT + ADAPTER + REC CT NORMAL 71MN71213  
EXTENSION 0.5M 60/100 CT ATMOS  
EXTENSION 1M 60/100 CT ATMOS  
EXTENSION 1.5M 60/100 CT ATMOS  
EXTENSION 0.5M D80 CT ATMOS  
EXTENSION 1M D80 CT ATMOS  
90° ELBOW 60/100 EXTENSION CT ATMOS  
90° ELBOW D80 EXTENSION CT ATMOS  
45° ELBOW 60/100 EXTENSION CT ATMOS

NOZZLE 0.77 MM LPG S227077  
NOZZLE COPPER GASKET LPG Z144.

