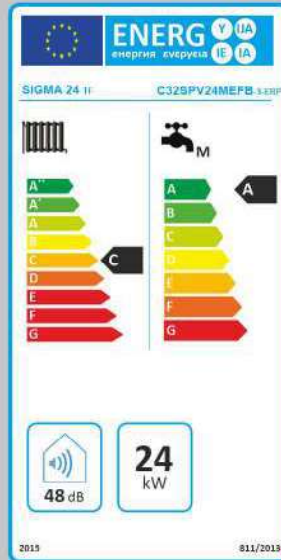


Product code: C32SPV24MEFB-S-ERP / C32SPV24MEFB-PV3



## CONVENTIONAL WALL HUNG GAS BOILER, 24 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

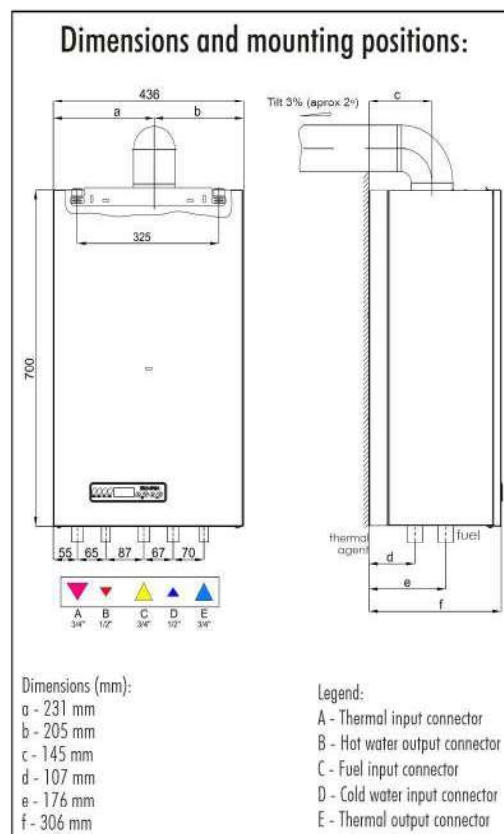


Monothermal secondary  
heat exchanger for DHW

Efficiency: 93%

Compact size

Forced draft



### CLIENT ADVANTAGES:

- Designed and build for maximum operating efficiency and economy - C CLASS EFFICIENCY - 3 stars\*\*\* (dir. 92/42/CEE)
- DHW Increased comfort: classified 2 stars\*\* (En13203), respectively class A (regulation 811-814 / 2013 for implementation Eco-design directive (ERP directive) 2009/125 / EC) on the DHW comfort

### SAFETY FEATURES

- Overpressure safety valve protects the gas boiler at pressures higher than 3 bar;
- Water temperature sensor in the heating circuit
- Air pressure switch that detects no exhaust flue gases;
- Overheating safety thermostat for the heat exchanger;
- Electronic module of control and command;
- Self-diagnostic performant system;
- Antifreeze performant system;
- Chalk deposits prevention system;
- Antiblocking pump system with action every 24h;

**Technical and functional characteristics**

Type	C32SPV24MEFB-S-ERP		
Trade name	SIGMA TF		
Efficiency stars (dir. 92/42/CEE)	***		
Gas type	112H3B/P, 12H, 12E+, 112ELL3B/P, 112HS3B/P		
Flue type	Forced		
Nox class (G20-12H)	4		
Thermal efficiency (G20-12H)	93%		
Nominal power (min./max.) (G20-12H)	7,4 - 23,2 kW		
Nominal max. consumption	≈2,3 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		
For boiler with stainless steel heat exchanger, underfloor heating is blocked	15 ÷ 45 °C		
Temperature on domestic hot water circuit	35 ÷ 55 °C		
Hot water flow ΔT = 30 °C	12 l/min		
DHW comfort - EN13203	***		
DHW energy efficiency class	A		
Construction characteristics	Height (mm)	700	
	Width (mm)	436	
	Depth (mm)	306	
	Weight	32 kg	
	Capacity main heat exchanger	1 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>13</sub> , C <sub>15</sub> , C <sub>17</sub> , C <sub>19</sub> , C <sub>21</sub> , C <sub>23</sub> , C <sub>25</sub>		
Burnt gases (maximum temperature)	≈150 °C		
Electric characteristics	Input	~230V/50 Hz	
	Nominal power	82 W IP 40	

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



**SIGMA TF 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 SIGMA TF:**

**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

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.

