





The Mec 21-18 **pellet boilers** are ideal products for heating the whole house. They are fitted with an innovative bottom fed burner, an automatic flue-gas pass cleaning mechanism and, for those looking for greater autonomy, there is a CSP version with an additional container.

The Mec 21-18 **pellet boiler** is suitable for medium-sized new generation houses.



MEC 21-18

18 kW

## PLUS

### ● INNOVATIVE UNDER FED BURNER

Ideal for improved pellet combustion and less basket maintenance. Two independent reduction gears provide automated management of the burner and guarantee control over the pellet load quantities. The engineering of the system guarantees perfect combustion, total safety against reverse combustion and silent running of the burner.

### ● AUTOMATIC FLUE-GAS PASS CLEANING MECHANISM

The internal heat exchanger is cleaned automatically guaranteeing consistent performance with no manual interventions required.

### ● INCREASED AUTONOMY

The Mec 21-18 CSP pellet boiler offers extra pellet loading and increased autonomy.

## MAIN FEATURES



### PELLET LEVEL SENSOR

This device warns the user when the pellet supply is about to run out to ensure greater comfort.



### PLUMBING KIT

It is supplied with a closed vessel, already assembled and tested, complete with safety valves, heating pump with low energy consumption, expansion tank and anti-condensation valve.



### ELECTRONIC DISPLAY

The practical electronic display shows the operating status of the stove. All units come with an IR remote control to allow swift interaction with the stove.





**STANDARD CONFIGURATION  
MEC 21-18**

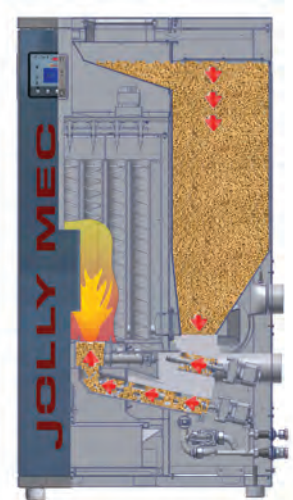
Electronic unit • Control display • Door with ceramic glass inspection window • Soot collection draw • Power socket with bi-polar switch and fuses • Shuko plug with 1.5 metre cord • Fume extractor with safety system • Automatic fume exchanger cleaning system • Thermal cladding for boiler body insulation • Pellet container • Pipe cleaner • Brush • Glove • Room temperature probe • Settings for external pellet load with auger system • Flame control system.

**STANDARD CONFIGURATION  
MEC 21-18 CSP**

Electronic unit • Control display • Door with ceramic glass inspection window • Soot collection draw • Power socket with bi-polar switch and fuses • Shuko plug with 1.5 metre cord • Fume extractor with safety system • Automatic fume exchanger cleaning system • Thermal cladding for boiler body insulation • Pellet container • Pipe cleaner • Brush • Glove • Room temperature probe • Settings for external pellet load with auger system • Flame control system • 200 or 400 kg additional pellet container.

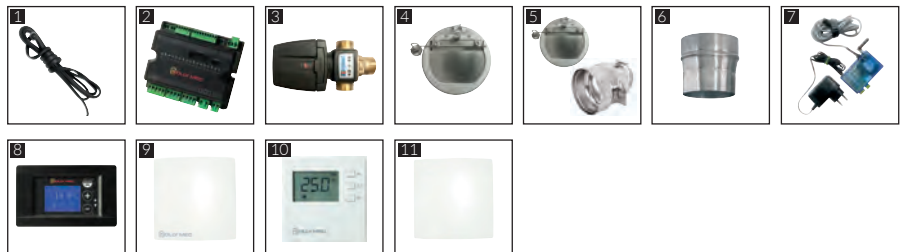
**MEC21-18 AND CSP OPTIONAL**

- 1 - Buffer Tank temperature control probe  
Define the quantity based on the system type
- 2 - Expansion board to manage a zone system
- 3 - 3-way deviator valve
- 4 - Uptake regulator
- 5 - Automatic uptake regulator with band
- 6 - Adapter/reduction for automatic stainless steel regulator for installation with pipe ø 100
- 7 - Gprs for remote start
- 8 - Remote control display
- 9 - Wall mounted room temperature probe with case
- 10 - Radio room thermostat (to be ordered in combination with receiver RIC/TERM/AMB/RX)
- 11 - Radio thermostat receiver



MEC 21-18 CSP

**18 kW**



READY FOR INSTALLATION

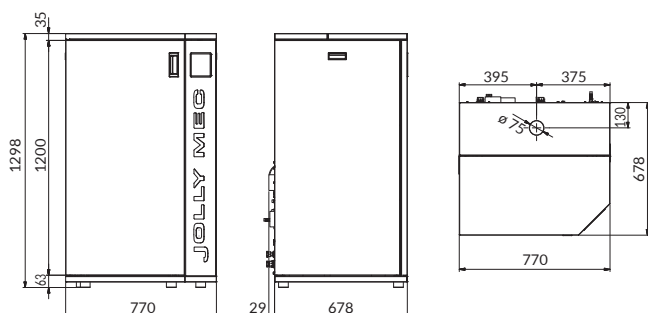
## TECHNICAL DATA

	MEC 21-18
Burned power	20,6 kW
Thermal rated output	18,5 kW
Minimal output	5,1 kW
Power given to fluid	18,5 kW
Efficiency	90,04 %
Consumption min/max	1,2 - 4,2 kg/h
Tank capacity	60 kg - 200 kg - 400 kg
Flue gas temperature	121 °C
Min. draft	10 Pa
CO (13% O <sub>2</sub> )	0,013 %
Flue gass mass flow	10,1 g/s
Smoke exhaust	80 mm
Weight	180 kg
Combustion chamber warranty*	2(5) years

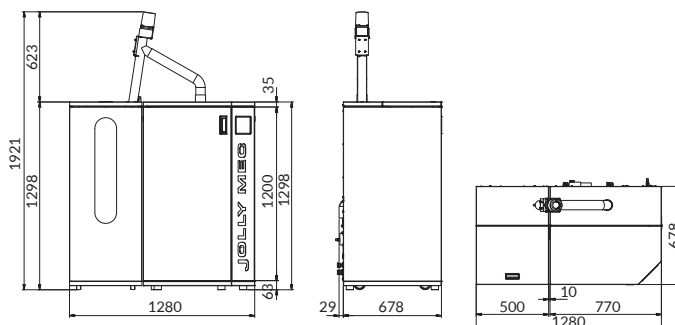
\*See the warranty booklet for more information

## TECHNICAL DRAWINGS

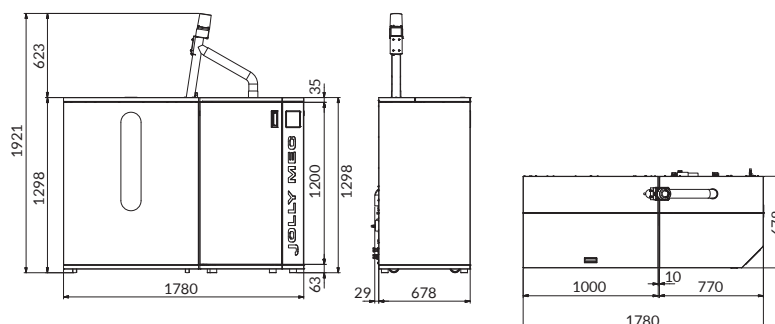
MEC 21-18



MEC 21-18 CSP 200 kg



MEC 21-18 CSP 400 kg



## PRODUCT CERTIFICATIONS

15a B-VG  
EN 303-05

