

Frost protection for your crops

The Vitigel

Vitigel, the anti-breeze solution

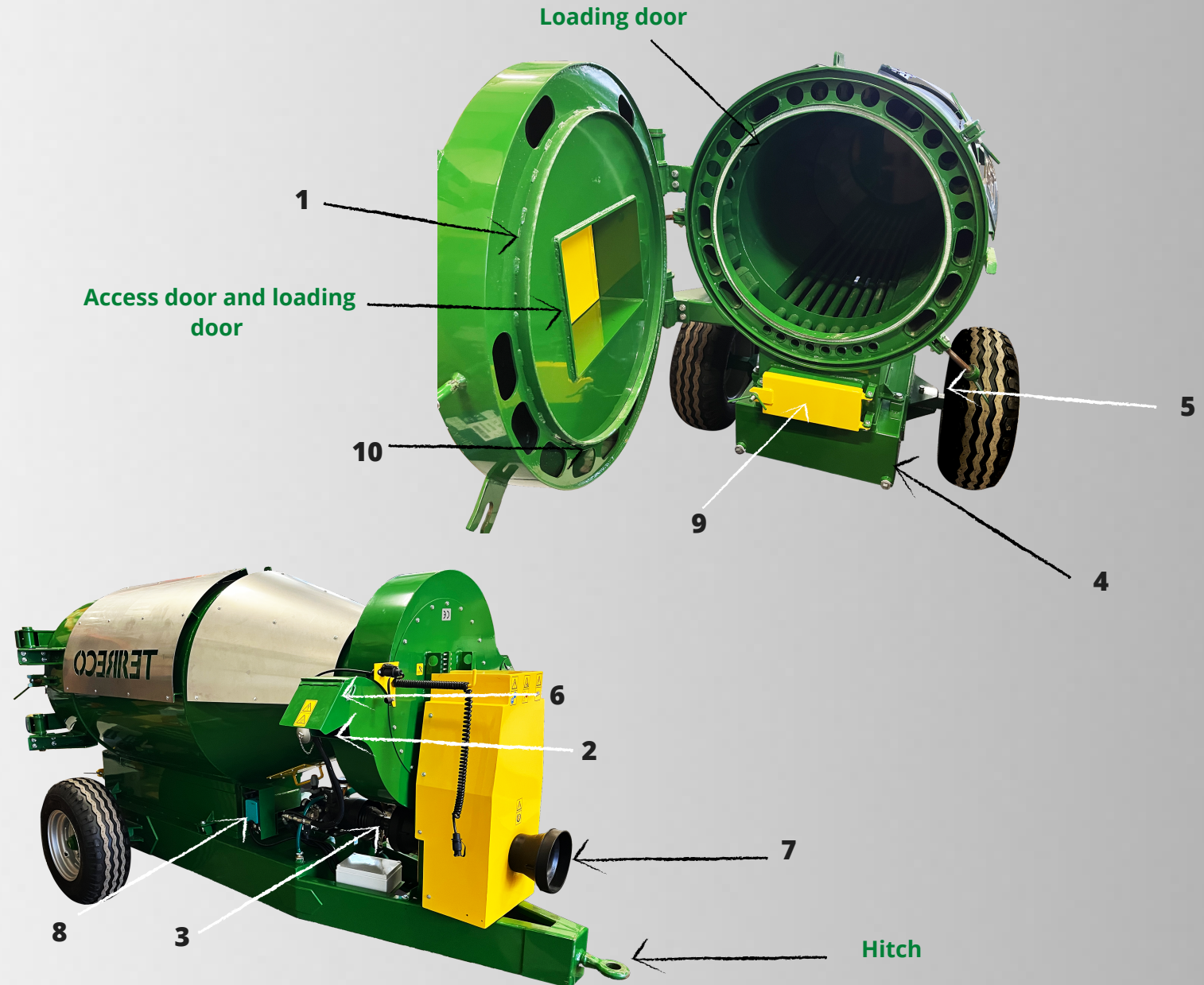


*Our only objective
performance*

Features:

- 1 / Control eyecup
- 2 / Adjustable water jet + shut-off valve
- 3 / Pump drive by connecting shaft
- 4 / Water reserve 330 l
- 5 / Variable track axle + Wheels 10.0/75 x 15.3
- 6 / Adjustable flap (to direct the smoke)
- 7 / Power take-off 540 Tr/min
- 8 / Comet APS 31 pump 28 l/min 40 bar
- 9 / Ashtray cleaning hatch

Remarkable design

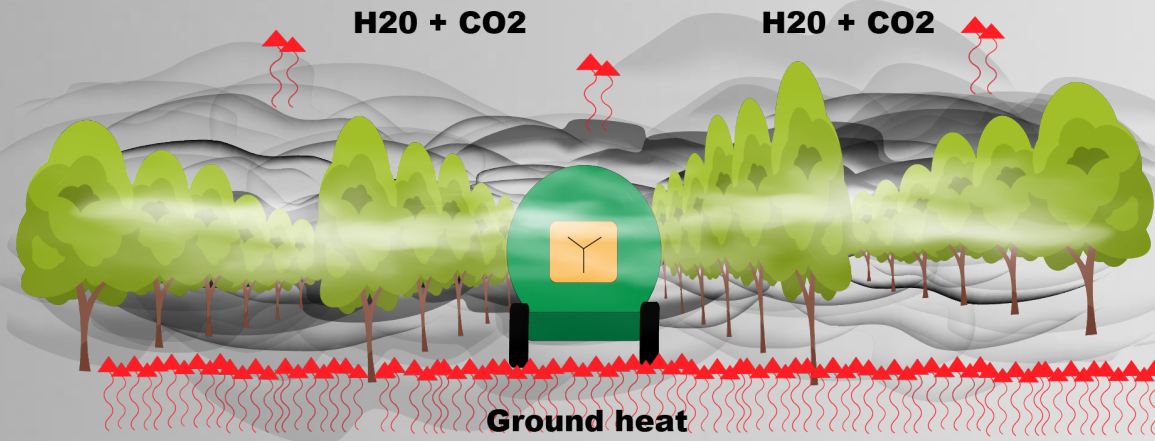


Standard features that meet your expectations

The Vitigel is a towed biomass boiler working with hay, straw, debris of green plants, etc..

The Vitigel makes it possible to form and diffuse a cloud of smoke charged in droplets of water which, by stagnating close to the ground, imprisons the positive heat of this last in the cultures and thus protects them against the frost; this cloud limits the effect of the black frost at the daybreak.

The servomotor allows, via a flap that opens and closes according to the internal temperature of the boiler, to have a slow combustion that will produce more smoke.



Capacity:

- **Fuel** : Hay, straw, green wood ... etc
- **Protected area** : up to 8 Ha
- **Protection up to** : -4°
- **Burning time of a bundle** : 3 to 5 hours
- **Distance between passes** : 40 to 50 m
- **Interval of passage** : 15 to 20 min maximum

In operation, the machine diffuses a fog with a mixture of water on a radius of 25m on each side; it is thus able to cover an area of 50m wide in a single pass. It returns to the starting point every 20 minutes maximum in order to avoid the disappearance of the fog. The objective is to have a fog with the most important density possible.

Standard equipment



Servomotor



Temperature sensor



Rotating hitch

Your hand-sewn device

Technical specifications:

Length	3m55
Maximum width	1m60
Minimum width	1m40
Height	1m90
Weight	1980 kg
Tires	10.0/75 - 15.3
Diameter of the combustion chamber	83 cm
Length of the combustion chamber	1m45
Volume of the water tank	330 L
Power requirements	50 HP
Minimum PTO speed	540 tr/min



Video presentation

Standard equipment :

- Comet APS 31 pump
- Servomotor
- Rotating hitch
- Tires 10.0/75x15.3
- Ash scraper
- Adjustable side flaps
- Adjustable spray jets
- Axle with variable track
- Loading door for round bales (Dimension 1 m 40)

