

BENEFITS



PLATFORM
French Manufacturing 

**Our equipment recovers
your CO2 !**

They support us



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@ CO2 Winery



**Capture and reuse
of fermentative CO2
in the winery**

Circular Economy

1

Safety and comfort
at work

2

Reduced CO2
purchase costs

3

Reduced carbon
footprint

4

Reduced water
consumption

5

Improved winemaking
processes

CO2 capture and treatment system

CO2 Capture Network



- Study and sizing of CO2 collection networks based on tank room layouts
- Supply of PVC or stainless-steel CO2 collection systems to ensure secure CO2 capture
- Installation or support in setting up the PVC or stainless-steel collection network
- CO2 collection system analysis and flow rate measurement

CO2 Capture Security



CO2 Collect

- Equipment made of PVC or stainless steel to ensure secure fermentation CO2 capture, with integrated pressure/depression management
- Custom connections: MACON, DIN, SMS
- Equipment to be connected via a flexible hose to the central CO2 collection network manifold

Analysis, Purification et Compression



CO2 Box

Micro CO2 Box

8 to 12 bars

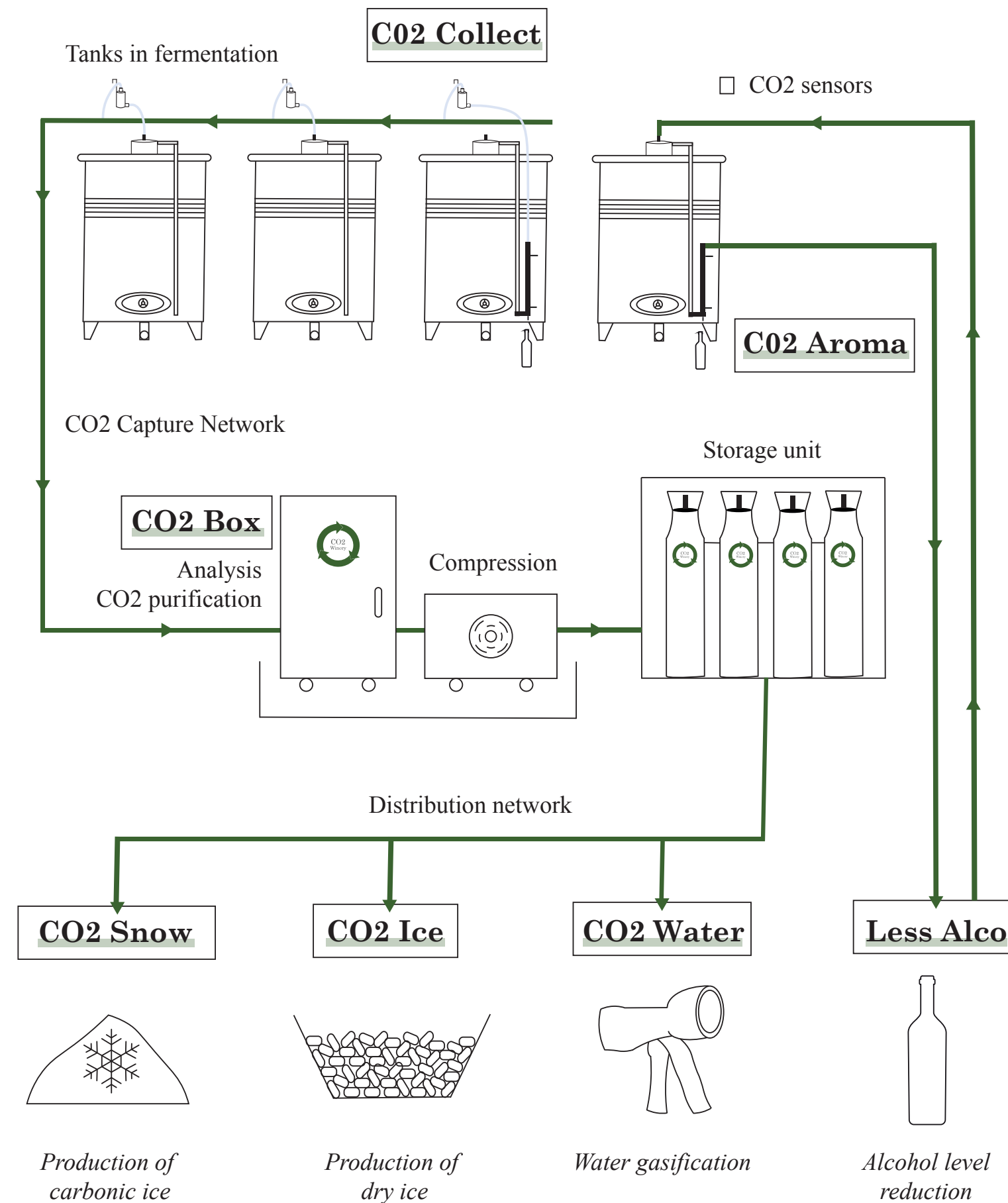
- CO2 quality analysis unit
- CO2 purification (drying, bacterial filtration, etc.)
- Compression ranging from 20 to 200 bars, in either gas or liquid state
- Automated system with remote monitoring
- Ambient sensor: CO2, temperature, humidity with alarm

Storage



- Liquid or gas CO2 storage unit in bottles, racks, or tanks (8, 20, 40, or 200 bars)
- Bottle unit: 6 (200kg) or 12 (400kg)
- Optional distribution unit to inject stored CO2 into the CO2 network

CAPTURE AND RECOVERY CIRCUIT OF FERMENTATIVE CO2



Production of carbonic ice

Production of dry ice

Water gasification

Alcohol level reduction

The CO2 can be reused in the winery in a number of ways, depending on the objectives, or resold.

CO2 recovery equipment

CO2 Aroma



- Stainless steel equipment to recover aromas from fermentative CO2
- Custom sizing based on each tank's capacity
- Compatible with CO2 Collect equipment
- Positioned at the top or bottom of the tank when an agitator is present

CO2 Snow



- Carbon snow production system :
- Inerting presses and tanks
 - Harvest cooling

CO2 Ice



- Dry ice (pellets) production system :
- Inerting presses and tanks
 - Pre-fermentation maceration
 - Harvest cooling
 - Harvest protection

CO2 Water



- Fixed or mobile unit on a water supply network
- Water gasification up to 2g/L
- Increased rinsing capacity with water acidification: pH close to 5, enhanced wetting power
- Achieves up to 3x savings in time and water for caustic soda-cleaned tanks
- Limestone dissolution in pipes

Less Alco



- System for re-injecting fermentation CO2 during the vinification phase to reduce alcohol content by 0.5 to 2 degrees
- Ongoing R&D following successful trials with the ISVV (Institute of Vine and Wine Sciences) and practical testing at a winery in 2023
- Seeking "ambassador" clients for testing during upcoming harvests