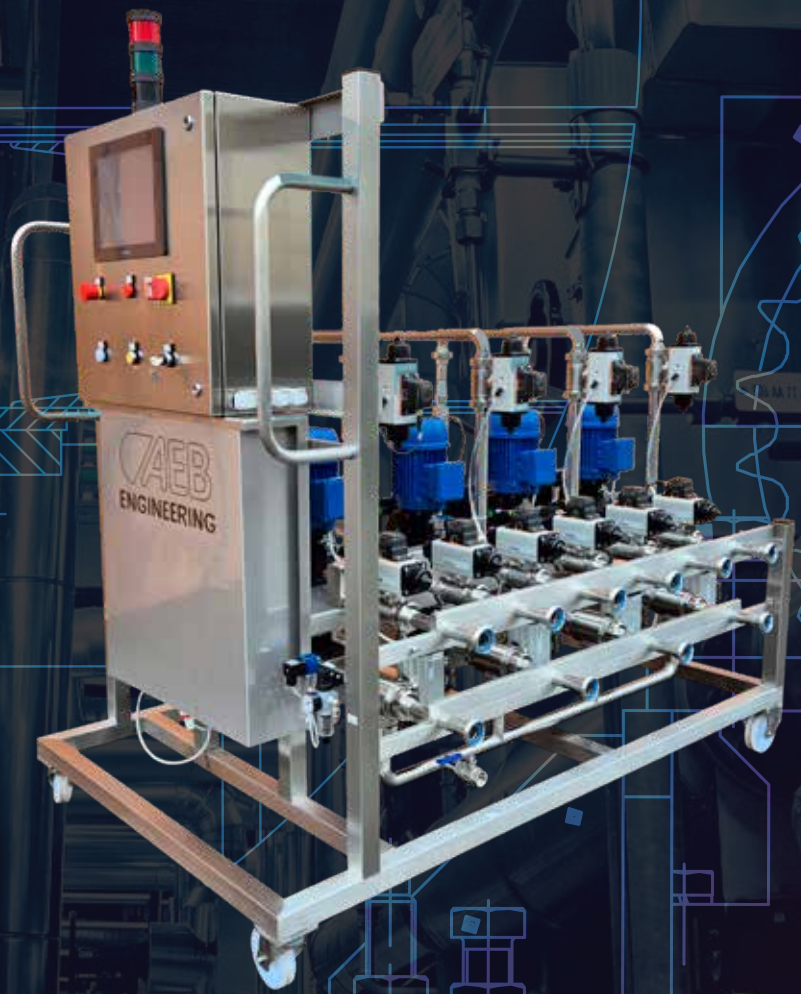
AEB ENGINEERING

CTRL-TANK O_2

EQUIPMENT FOR THE AUTOMATED AND SCHEDULED MANAGEMENT OF ADJUVANTS ADDITIONS AND OXYGENATION FOR TANKS OF ANY SIZE



ADVANTAGES

- PRECISION IN DOSING ANY PRODUCT, IF DISSOLVED
- OXYGEN DOSING DURING AND AFTER FERMENTATION (MACRO/MICRO)
- REDUCTION IN FERMENTATION TIME
- TIMED DOSING OF ADJUVANTS
- ADJUSTABLE INJECTION SPEED TO PREVENT FOAM FORMATION AND OVERFLOW
- TRACEABILITY AND REMOTE MANAGEMENT/MONITORING

During the harvest, a priority for wineries is to precisely manage the timing and methods of necessary interventions to complete the alcoholic fermentation (AF) and achieve the desired technical and qualitative results.

CTRL-TANK O_2 customizes and manages the addition of nutrients, oxygen and coadjuvants at each stage in a **simple, precise and efficient way.**

CTRL-TANK O_2 can dose **up to 4 different products simultaneously and/or separately across 6 tanks**, either manually or automatically, with the ability to schedule additions over time.

Moreover, this equipment **can dose oxygen**:

- **during fermentation** (simultaneously with adjuvants)
- **after fermentation** (micro-oxygenation)

ALL THE ADVANTAGES OF CTRL-TANK O_2

- Programmable and precise dosing of all types of coadjuvants (nutrients, clarifiers, charcoal, etc.)
- Thanks to the equipment's design, there's no need for liquid/filtered products as long as they are well dissolved
- Usable year-round according to the winery's needs (clarification, micro-oxygenation, etc.)
- Precise and programmable oxygen dosing during and after alcoholic fermentation (macro/micro-oxygenation)
- Separate oxygen dosing circuit, integrated with the coadjuvants dosing circuit
- Each pump is equipped with a safety pre-filter and flow meter
- Ideal for RCM (Rectified Concentrated Must)
- Ability to save and repeat customized dosing protocols
- Dosing precision thanks to product flow measurement
- Adjustable injection speed to prevent foam formation and overflow
- Option to set post-dosing circuit cleaning for adjuvants
- Simple and fast equipment cleaning
- Modular and scalable system to meet the winery's specific needs
- Remote traceability, management and monitoring
- No technician required for system installation

O_2 + NUTRIENT =

10% reduction in fermentation time =

ENERGY SAVINGS

HANDLING POWDERED PRODUCTS INSTEAD OF LIQUIDS =

Reduced weight and packaging =

LOWER CO_2 EMISSIONS

OPERATION

Connect the PRODUCT FEEDS to mixing tubs* containing the diluted products.

- Compressed air
- Mains water
- Electrical power
- Oxygen (if used)

Connect CTRL-TANK O_2 to the tanks where the additions are to be made. The program is simple and intuitive, just follow these steps:

1. Set the number of tanks and the hectoliters of must in each tank
2. Select the product/pump to activate
3. Set the g/hL for the product(s) and dilution, or select a previously saved dosing protocol
4. Set the date and time to start the treatment.

** Mixing tubs can be connected and managed via CTRL-TANK O_2.*

COMPONENTS

N. 1 PRE-FILTER FOR EACH PUMP/PRODUCT

N. 1 SAFETY PRESSURE SWITCH

N. 1 COMPRESSED AIR INLET
for equipment operation

N. 1 SAFETY/OPERATIONAL LIGHT AND SOUND SIGNAL

N. 1 ELECTRICAL PANEL with a large touchscreen for easy dosing setup

CTRL-TANK O_2 IS EQUIPPED WITH:

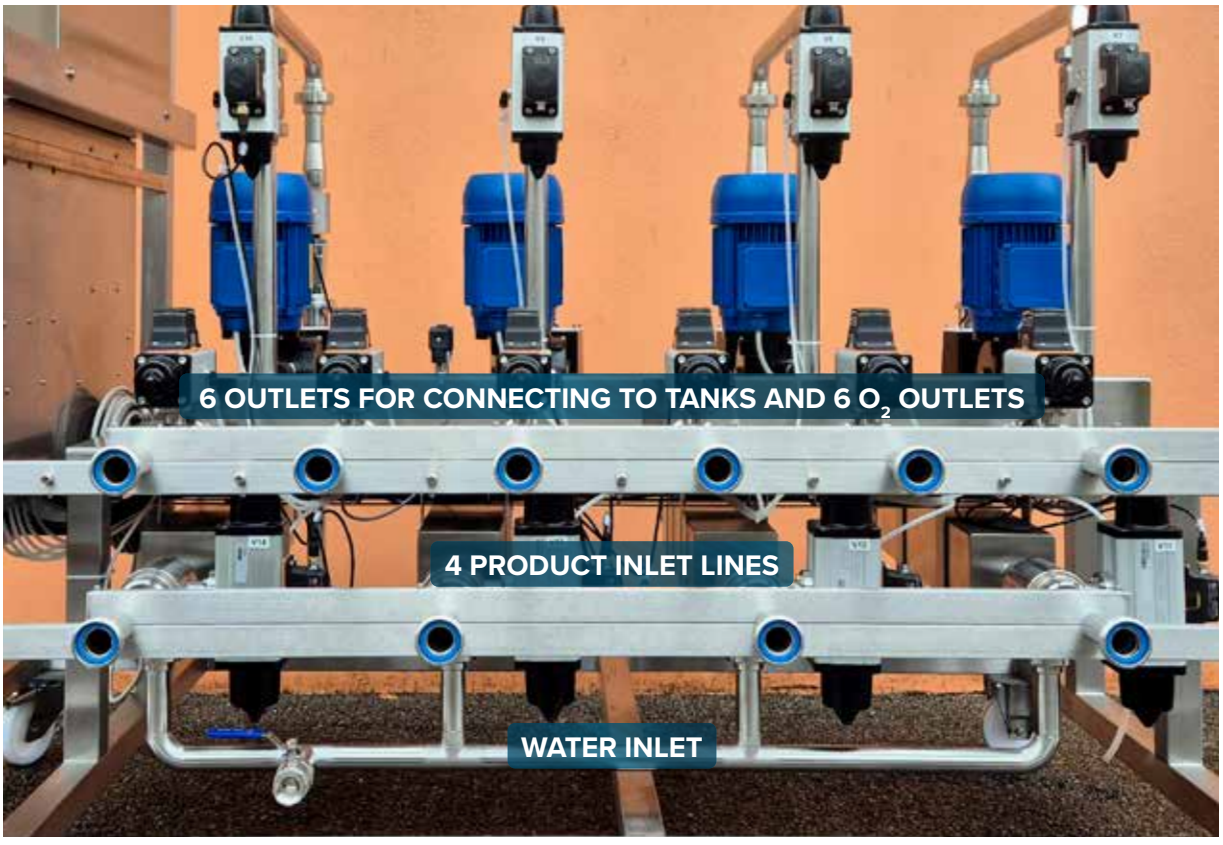
N. 1 FLOW METER FOR EACH PUMP/PRODUCT

N. 1 O_2 FILTER

COMPONENTS

N. 14 PNEUMATIC VALVES each with an actuator and proximity sensor

N.1 INJECTION ROD for each managed tank, including an oxygen diffuser



RECOMMENDED PRODUCTS

FERMENTATION ACTIVATORS AND NUTRIENTS

CLARIFIERS

TANNINS, STABILIZERS AND COADJUVANTS