

## Technology for recuperation CO<sub>2</sub> RECOVER 12-10KF

**Performance** :..... **7 m<sup>3</sup> = 12 kg CO<sub>2</sub> / hr = 240 kg / day**

Capacity of fermentation vessels: max. 400 hl (beer)

Achieved gas concentration : ..... CO<sub>2</sub> 99,9 %

Output pressure to accumul. CO<sub>2</sub> : .... 10 bar max.

Gas inlet pressure ferm. CO<sub>2</sub> : ..... 5 - 15 kPa

1/ Inlet tank & washer : ..... 100 l - SS 304 / 20 l water

2/ Retention tank : ..... 24 l - SS 304

3/ Dump valve : ..... Servo NO 1/2"

4/ Compression unit DU KK A200 : ..... 120 l / min / 10 bar / 1,4 kW

5/ Filtration PARKER : ..... A0, AA 99,9999%

6/ Carbon filter CC100-500 : ..... 200 l/min / 10 Bar

7/ Pasive condensation unit : ..... SS 50L with autodrain

8/ Active dryer : ..... FR 24C with autodrain

9/ Control panel : ..... IP 64

Power supply : ..... 240V 1,8 kW

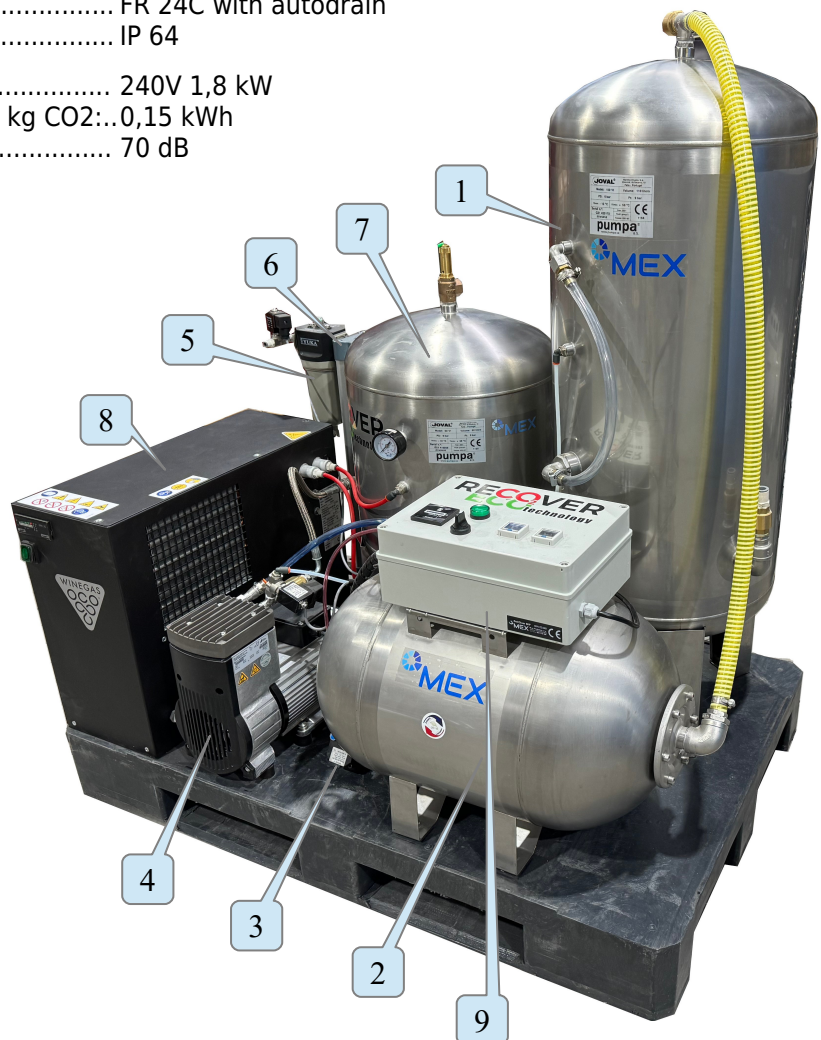
Electricity consumption per 1 kg CO<sub>2</sub>:..0,15 kWh

Noise during operation : ..... 70 dB

### Function description:

The fermentation gas supply is connected to the inlet tank (1) where it bubbles through the water scrubber. Next, the gas enters the retention tank (2), where the pressure to start the compressor (4) is checked. The compressed gas passes through the passive condenser (7) to the active condensation dryer (8) and then to the carbon tower (6) and the outlet filter (5)

the retention tank is equipped with a drain valve (3) which regularly drains the foam and the remains of the condensed liquid. If the device is switched off, the valve opens automatically to avoid an increase in pressure in the fermentation vessels. It is therefore advisable to connect the output to the waste. The device is delivered in a connected state on the platform - just connect the power supply, fermentation gas and outlet to the tank.



Working environment : ..... +5°C - +40°C

Dimensions wxhxd : ..... 1200 x 1500 x 800 mm / weight 170 kg

### Price :

- ▲ RECOVER\_12-10KF set on the frame plug&play : ..... 19.650 EUR
- ▲ Spare parts for 2 years of operation : ..... 1.840 EUR
- ▲ Delivery time : ..... 4 - 8 weeks