

Dossisol ONE

Dosification of sulphur dioxide

Introduction

Sulphur dioxide (SO₂) is used in oenology due to its beneficial effects, which include: it is an antioxidant as it stores oxygen and prevents the oxidation of the must or wine; it is an antioxidant that destroys oxidases and therefore avoids breakages; and it is an antimicrobial inhibiting yeasts, lactic acid bacteria and acetic acid bacteria.

Characteristics

DOSSISOL ONE is designed to be used by big consumers of sulphur dioxide:

- Decanting of large quantities of wine.
- Sulphuric musts.
- Addition of SO₂ to large tanks.
- Need for high speed addition of SO₂.

The system is based on the dosification of SO₂ by means of pressurisation with N₂ and weight measurement with load cells, achieving the exact dosification requested by the user.

The SO₂ container is emptied at the speed chosen by the user.

The high-speed dosification reduces the product treatment times.

Speed can be regulated, between 10 and 1,000 kg/h. Dosification precision 200 gr.

The dosification is done with SO₂ in liquid form, with no smells or gases that could be annoying or harmful to people or the environment.

The unit can be quickly and easily connected to 1,000 kg containers.

AUTOMATIC MODEL



Technical aspects

- Made of stainless steel, totally hermetically sealed.
- Quick and easy to connect/disconnect from the SO₂ container.
- Protected against impacts and waterproof for outdoor use.
- Equipped with a retention valve to prevent reflux.
- Either mounted on a compact transport platform, or installed in a fixed location.
- Electric panel:
 - Quadro elettrico:
 - PLC
 - Touch screen.
 - Weight controller.

Mode of operation

Dosification in pipes or discharger:

Direct injection of pure SO₂ into a pulp pipe or a discharge pipe, achieving rapid homogenisation of the pulp and the SO₂.

Knowing the flow of the pulp pump and the dose of SO₂, the flow of DOSSISOL ONE will be adjusted in order to inject a precise quantity of SO₂.

The flow rate of dosification of DOSSISOL ONE is in line with the paste pump, so this equipment only works when the paste pump is running.

Dosification in a tank:

Addition of SO₂ to a tank by programming the number of kilograms for dosification and the desired flow rate.

Once the dosification is complete, the machine will stop automatically.

DIMENSIONS	DESK	PLATFORM	PLATFORM WITH CONTAINER
WEIGHT [kg]	65	595	2.145
LENGTH . [cm]	52	320	320
HEIGHT .[cm]	88	125	185
WIDTH . [cm]	59	150	150