WTG–QUANTOR GMBH

QUANTOR

KREYER

Temperature Control System

FERMBOX

WINE

BEER

CIDER

DISTILLATES

KREYER

KREYER

FERMBOX

The control cabinet **FermBox** offers a very convenient and efficient method of electronic temperature control. The cabinet is installed on the wall, at a central point in the wine cellar or in the brewery. For each tank to be controlled a **FermBox** control card is included. Therefore the temperatures of all tanks can be viewed at a glance and the settings can be changed on the spot. Having made the initial installation, adding a control card for a new tank in an already installed cabinet is done by simply clicking it into place.

The **FermBox** control unit receives its input through a cable-type sensor (available as an accessory) which is placed in the thermo-well of the respective tank. The controllers are designed in such a way that temperatures are optimally visualised: There are two separate displays for the pre-set temperature and the measured temperature (is temperature). The operation mode of the controller - cooling or heating - is indicated on a LED display. Moreover the control cabinet has two integrated relays for pump control: one for heating and one for cooling.

The **FermBox** control cabinets are equipped with a PC interface so that the temperature settings can be adjusted either physically on the cabinet or in the office using the Ferm-Software installed on a Server PC. Software management is optional and can be added in time. Using the software allows easy and quick analysis of the measured data, data-saving of finished fermentations for later evaluation and archiving. Software access is enabled over lap-top and mobile phone over safe internet access. The **FermBox** can also be completely integrated in the bus system VinInfo.

The cabinets are available in three different sizes – for up to 30, 40 or 50 controllers (one controller per tank). The **FermBox** cabinets are available in coated steel and in stainless steel.

It is possible to add more controllers afterwards if the maximum number of controllers (30 / 40 / 50) is not needed for the initial installation.

SUITABLE FOR INDUSTRIES

CHARACTERISTICS

- Central control cabinet available in three sizes - for up to 30 / 40 / 50 tanks
- Two different models - cabinet in coated steel or in stainless steel
- Separate displays for the set-temperature and the actual temperature
- Optical alarm signal
- Heating and cooling possible
- Two integrated free relays for pump control: one for heating and one for cooling
- With PC data interface for control over Ferm-Software
- Integration into the bus system VinInfo possible

TECHNICAL DATA - CONTROLLER		
Temperature range	-9,9 - +99,9°C (14,2 - 211,8°F)
Output	24V AC / 30VA
Regulation structure	3-point / PI / PID
Operation modes	Cooling / Heating / Cooling & Heating / Display / Off

TECHNICAL DATA - CABINET		
Power supply	230V /1Ph / 50-60Hz
Protection type	IP 55
Dimensions: WxDxH	FermBox (30): 600x375x480 mm FermBox (40): 600x375x620 mm FermBox (50): 600x375x750 mm
Weight	FermBox (30): 49 kg FermBox (40): 60 kg FermBox (50): 71 kg

Specifications subject to change.