



## ■50, 100lt ROTARY EVAPORATOR STRIKE 100

### STEROGLASS

5408

STRIKE100 is a large capacity rotary evaporator designed for industrial plants. It meets all the process needs by using Borosilicate glass and PTFE permitting aggressive substances treatment.

The unit works under vacuum or atmosphere conditions. The rotation of the 50 or 100 Lt evaporation flask in the thermostatic bath results in a forced convection and homogenous distribution of the product, thus preventing sedimentation. Moreover, it ensures high evaporating exchange surface. The sealing system guarantees the perfect vacuum tightness and maintenance-free operation. Possibility to customize glassware as for Clients needs.

#### APPLICATIONS

- Distillation (continuous and discontinuous)
- Solvent recycling
- Reflux process reactions
- Component drying
- Fine chemical synthesis
- Crystallization

#### FIELDS

- Pharmaceutical
- Chemical
- Cosmetic
- Herb extraction
- Petrochemical

#### TOTAL SAFETY SYSTEM

The industrial safety rotary evaporators are able to safeguard the user from any risk during work. The thermostatic bath is covered by a transparent shield providing the operator with utmost protection from glass breaking and spray at high temperature. The thermostatic bath and the protective shield are lifted by means of an hydraulic system electronically controlled. An automatic system lowers the thermostatic bath when a power failure, door opening and overheating occur. It is also inserted on glassware a brake disc in order to avoid sudden overpressure.

#### VACUUM SEALING SYSTEM

A great feature of these rotary evaporators is its sealing system made of self-lubricating material which allows a perfect vacuum-tight. This sealing system does not require any maintenance.

#### HEATING BATH

The heating bath is lifted by means of a hydraulic system which, in case of power failure or doors opening, goes automatically down to avoid fluid overheating and the process will immediately stop. Electric heater enhanced to 8Kw to ensure a continuous evaporation of the product even in the worst conditions.

#### DISPLAY

The process operating conditions can be set and displayed: any value error or anomalous temperature will block the electric power. For STRIKE100 ATEX version is a "LCD display anti-reflectio coating glass panel" . For version STRIKE100 is a graphical color display 7" touch-screen

#### ELECTRONIC CONTROLLER

STRIKE100ATEX is fully controlled by a PLC (Programmable Logic Controller) which allows for controlling the parameters as well as setting them directly by means of the keys.

Client could acquire on an external PC through serial communication all the process parameters through special software for data acquisition and management. Client could remotely control the instrument from an external PC via serial communication. In addition, the instrument has control algorithms that allow you to finish the process of evaporation / distillation or separation of solvents automatically by reading the temperature of the vapors.

#### PARAMETERS MEASUREMENT, VISUAL DISPLAY AND RECORDING OF THE FOLLOWING:

- Bath pre-set and real temperature
- Vapor pre-set and real temperature
- Pre-set and real rotation speed
- Pre-set and real vacuum reading and setting

Technical specification:



Working Range °C: 0...150  
 Accuracy °C: +/- 2  
 Resolution °C: 0.1  
 Set point: YES (1°C step)  
 Type of control: PID  
 Maximum oscillation during checkout °C: +/- 3  
 Power resistor: 8 KW  
 Heater power density: 3W/cm2  
 Over-temperature protection: YES  
 Temperature Sensor: Three-wire PT100  
 Level sensor: YES  
 Filling Level: Yes -Manual  
 Dimensions (WxDxH mm) 1830x890x2110  
 Plastic coated glassware: optional

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Codice	Codice	Description
Steroglass Fornitore		
SQFU069844	KC32097	50lt reflux glassware 1,43m2 2x20lt
SQFU069850		100lt ATEX discending glassware 100lt 1,43m2 2x20lt
SQFU069851		100lt ATEX discending glassware 1,43m2 1x20lt
SQFU069852		50lt ATEX reflux glassware 1,43m2 2x20lt
SQFU069853		50lt ATEX reflux glassware 1,43m2 1x20lt
SQFU069841		100lt reflux glassware 1,43m2 1x20lt
SQFU069847		50lt discending glassware 1,43m2 1x20lt
SQFU069848		100lt ATEX reflux glassware 1,43m2 2x20lt
SQFU069854		50lt ATEX discending glassware 1,43m2 2x20lt
SQFU069846		50lt discending glassware 1,43m2 2x20lt
SQFU069840		100lt reflux glassware 1,43m2 2x20lt
SQFU069842		100lt discending glassware 100lt 1,43m2 2x20lt
SQFU069843	KC18585	100lt discending glassware 100lt 1,43m2 1x20lt
SQFU069855		50lt ATEX discending glassware 1,43m2 1x20lt
SQFU069845		50lt reflux glassware 1,43m2 1x20lt
SQFU069849		100lt ATEX reflux glassware 1,43m2 1x20lt