

# STRIKE 2000 SAFETY ROTARY EVAPORATOR



Strike 2000 has both industrial and laboratory rotary evaporation features. It meets all the process needs by using Borosilicate glass and PTFE permitting aggressive substances treatment. The plant allows for evaporation of volatile components (low-boiling) so as to separate them from the residual ones (high-boiling) thanks to the difference of their boiling points. Easy and totally safe start-up, check and stop procedures of the process: Strike 2000 is provided with a transparent protection shield for the evaporation flask and the thermostatic bath.

## **HEATING BATH**

The heating bath is lifted by means of a hydraulic system which, in case of power failure, goes automatically down to avoid fluid overheating.

## **SEALING SYSTEM**

A great feature of Strike 2000 is its sealing system made of self-lubricating material which allows a perfect vacuum-tight. This sealing system does not require any maintenance.

## **PRESSURE AND TEMPERATURE**

Strike 2000 runs under atmospheric pressure conditions or vacuum. It guarantees a perfect vacuum tight up to 5 mbar. The perfect sealing up to 5 mbar allows for reduced process time due to low evaporation temperature of the fluid.

The thermostatic bath can run both with water and oil allowing to reach 180° C maximum temperature; it also permits evaporation of any solvent under atmospheric pressure conditions. The heating bath is supplied with two 3KW electric heaters.

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

- 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

## **ELECTRONIC CONTROLLER**

Strike 5000 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


## APPLICATIONS

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

## FIELDS

- Pharmaceutical
- Chemical
- Cosmetic
- Herb extraction
- Petrochemical

## TECHNICAL FEATURES

Glass assembly material	Plastic coated borosilicate glassware
Sealing system material	self-lubricating material
Heating bath capacity	35 Lt
Evaporation flask capacity	20 Lt (optional: 10 Lt, 6 Lt)
Refrigerating system exchange surface	0.6 m <sup>2</sup>
Collecting flask capacity	N° 1 10 Lt flask or N° 2 6 Lt flasks
Evaporation flask rotation speed	10 ÷ 150 rpm continuously adjustable rotation speed "Brushless" motor with electronic control
Dimension (WxLxH)	1660 x 1450 x 1870 mm
Vacuum tight	5 mbar
Thermostatic resistance power	3KW
Power supply	380V, 3 F + N +  , 50-60 Hz
Temperature control system	Ambient up to 180°C Precision ± 2°C Resolution 0,1°C

## OTHER FEATURES



- ✚ Plastic coated glassware except for the evaporation flask
- ✚ Heating bath automatic system lowering also in case of power failure
- ✚ Transparent screen shield for the thermostatic bath and evaporation flask

## HOW TO ORDER

### PLASTIC COATED VERSIONS

CODE	DESCRIPTION
SQFU059065	STRIKE 2000 - DISCENDING GLASSWARE – 10Lt COLLECTING FLASK
SQFU059066	STRIKE 2000 - DISCENDING GLASSWARE - 6 Lt COLLECTING FLASK (2 pcs)
SQFU059067	STRIKE 2000 - REFLUX GLASSWARE - 10 Lt COLLECTING FLASK
SQFU059068	STRIKE 2000 - REFLUX GLASSWARE - 6 Lt COLLECTING FLASK (2 pcs)

Cold traps and other glassware versions are available upon specific request

## ACCESSORIES

CODE	DESCRIPTION
SQEG015943	6 Lt EVAPORATION FLASK
SQEG034310	10 Lt EVAPORATION FLASK
VAJQ057139	6 Lt COLLECTING FLASK
VAJQ057138	10 Lt COLLECTING FLASK
SQFW054089	ALUMINUM TROLLEY FOR FLASK EXTRACTION

Vacuum pump is available upon specific request



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