

STRIKE 5000 SAFETY ROTARY EVAPORATOR



STRIKE 5000 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 lt evaporation flask (or 100 lt capacity as optional) 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.

TOTAL SAFETY SYSTEM

Strike 5000 is a safety rotary evaporator able to safeguard the user from any risk during work. All the glass parts (except the evaporation flask) are plastic coated so as to avoid any risks to users in case of glass breaking.

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.

VACUUM SEALING SYSTEM

A great feature of Strike 5000 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. Temperature range: ambient to 180 °C. Bath filling: water or diathermic oil.

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.



MEASUREMENT, VISUAL DISPLAY AND RECORDING OF THE FOLLOWING PARAMETERS:

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

The above features are in compliance with GLP/GMP directives.

STRIKE 5000 ATEX

STRIKE 5000 ATEX version is in compliance with to the ATEX European Directives that regulate manufacturing materials explosion-proof.

Directive 94/9/CE;

EN 1127-1:1997;

EN 13463-1:2001;

PrEN 13463-5:2003;

prEN 13463-6:2002,



Strike 5000 ATEX is **ATEX II 2G c b IIB T3 o T4** certificated

T3 or T4 protection grade can be chosen according to the applications needed. All glass parts are fully protected by an aluminum plexiglass structure, thus ensuring utmost safety of the instrument.

TECHNICAL SPECIFICATIONS

OPERATING CONDITIONS

Temperature	Ambient up to 180°C (up to 135°C in ATEX T3 version)
Max Pressure	0,5 bar
Vacuum	up to 3 mbar

STANDARD CONFIGURATION

Glass Assembly Material	Borosilicate glass 3.3 ISO 3585
Sealing System Material	self-lubricating material
Heating bath capacity	154 lt.
Evaporation Flask Capacity	50 lt. (100 lt. optional)
Refrigerating System Exchange Surface	1.6m ²
Collecting Flask Capacity	Two flasks of 20 lt. each
Evaporation Flask Rotation Speed	15-100 rpm continuously controlled
Thermostatic Resistance Power	5 KW
Bath filling	water or diathermic oil
Vacuum control	By PLC (Programmable Logic Controller)
Temperature control system	PID (T= ambient to 180°C, ±2°C accuracy)
Power supply	380V, 3 F + N + , \perp 50-60 Hz
Overall dimensions (WxLxH)	2000 x 840 x 2420 mm

APPLICATIONS

Distillation
Solvent recycling
Reflux process reactions
Component drying
Fine chemical synthesis
Crystallization

FIELDS

-Pharmaceutical
-Chemical
-Cosmetic
-Herb extraction
-Petrochemical



HOW TO ORDER

CODE	DESCRIPTION	PROTECTION GRADE
SQFU059057	STRIKE 5000 DISCENDING GLASSWARE - 50 Lt evaporation flask	
SQFU059058	STRIKE 5000 DISCENDING GLASSWARE - 100 Lt evaporation flask	
SQFU059059	STRIKE 5000 REFLUX GLASSWARE - 50 Lt evaporation flask	
SQFU059060	STRIKE 5000 REFLUX GLASSWARE - 100 Lt evaporation flask	
SQFU059061	STRIKE 5000 ATEX DISCENDING GLASSWARE - 50 Lt evaporation flask	ATEX – II 2G b c IIB T3
SQFU059062	STRIKE 5000 ATEX DISCENDING GLASSWARE - 100 Lt evaporation flask	ATEX – II 2G b c IIB T3
SQFU059063	STRIKE 5000 ATEX REFLUX GLASSWARE - 50 Lt evaporation flask	ATEX – II 2G b c IIB T3
SQFU059064	STRIKE 5000 ATEX REFLUX GLASSWARE- 100 Lt evaporation flask	ATEX – II 2G b c IIB T3

T4 version available upon request

ACCESSORIES

CODE	DESCRIPTION
SQEG034292	20 Lt EVAPORATION FLASK
SQEG034290	50 Lt EVAPORATION FLASK
SQEG034291	100 Lt EVAPORATION FLASK
SQFW039025	TROLLEY FOR MOUNTING/DISMOUNTING EVAPORATION FLASK

AVAILABLE UPON REQUEST

-  VACUUM PUMP (STANDARD OR ATEX)
-  CHILLER
-  SPECIAL GLASSWARE
-  CUSTOMIZED SOLUTIONS
-  SPARE PARTS



STEROGLASS S.r.l.

Strada Romano di Sopra 2/C, 06132 San Martino in Campo (PG), Italia
Tel. +3907560909-1 fax. +390756090950
e-mail. info@steroglass.it