

Rotary Evaporator STRIKE 300



A philosophy of safety

The rotary evaporator STRIKE 300 combines excellent operating characteristics and high performance levels, all in an ergonomic design. STRIKE 300 has been projected in complete respect of safety needs and in compliance with the existing directive regarding equipment construction and electromagnetic compatibility.

Evaporate laboratory solvents in maximum safety

Health and safety at the workplace are undoubtedly one of the foundations of international social policies. Several official documents regulate the objective of progressive improvement at workplace well-being. This law focuses on accident and disease prevention by limiting the use of dangerous substances (when possible) or by minimizing contact at the workplace and with workers.

Innovations

The following are the technical innovations applied to the construction of the STRIKE 300 Rotary Evaporator making it a fast, efficient, safe and maintenance-free instrument.

Design

Compact and modern. All controls are placed on the central column to guarantee user-friendly and handy use.



Sealing system

The exclusive sealing system allows a perfect vacuum-tight anti-corrosion seal without gaskets or other materials that can be damaged by solvent contact. This sealing system is a standard feature in all strike models and can be used with all types of glassware.



Control panel

The touch screen is wide and easy to read. The microprocessor is multi-programmable and GLP compliant.



Rotary evaporator innovations

The following are the technical innovations applied to the construction of the STRIKE 300 Rotary Evaporator making it a fast, working, efficient, safe and maintenance free instrument.



Powered glassware

Compact and modern. All controls are placed on the central column to guarantee user-friendly and handy use.



Flask assembly

System used to assemble the evaporation flask. The evaporation flask is screwed onto the steam passing pipe to ensure easy assembly and dismantling operations as well as a perfect seal. (You may also use conventional unthreaded cone flasks and spring-clamps to mount the flasks).



Integrated vacuum controller

The optional vacuum controller is managed by the touch screen display that comes as standard



Safety shield

The shield is standard for all models. It can be removed by the operator and fitted beside the instrument.



Specifications

Technical data	STRIKE 300
Models	Models available with slanting glassware, vertical glassware (steam sinking and steam rising type)
Glassware	Standard or plastic-coated glassware
Rotation speed	20 to 280 rpm (150W induction motor)
Screen	3.5" monochromatic LCD touch screen
sealing	Maintenance-free PTFE and carbon graphite seals
Connection	Rodaviss evaporation flask connection system
Bath temperature	185°C (2 possible settings: water and oil)
Bath heater	1400W
Bath capacity	5 liters
Bath material	PTFE coated
Bath movement distance	90mm
Draining	Removable bath for emptying
Stroke displacement	13cm, adjusted, and can be stop at any position
Head angle adjustable	0~15°
Cooling surface	1500cm ²
Evaporating flasks	1000ml (optional 50 to 3000ml)
Collecting flasks	1000ml (optional 250 to 2000ml)
Weight	26,5 Kg (vertical version), 26 Kg (slanting version)
Overall dimensions	690x700x430mm (vertical version, H x D x L) 690x790x430mm (slanting version, H x D x L)
Voltage	230 V AC, 50Hz
Options	Steam temperature probe, vacuum controller
protective shield	Glassware lifting made possible with or without protective shield
Other features	Powered glassware lifting equipment with safety release (in case of power failure) Quick Start/Stop control and parameter selector

Control panel and microprocessor

- 3.5" LCD graphic display touch screen (320 x 240 pixel)
- START/STOP control and quick basic parameter selection
- Real-time display of all basic operating parameters (bath temperature, rotation speed), vacuum level and fume temperature (if optional probe and vacuum controller are present)
- Real-time display of working method
- Method saving and retrieving (up to 10 methods)
- Timer
- Possibility to operate according to fume temperature (if optional probe is present)
- Possibility to create manual and automatic ramps according to time, by differentiating all working parameters (if vacuum controller is present)

- Possibility to download working method to PC through USB port and retrieve it at any time
- USB updatable multi-language software.

Models of STRIKE 300



Configurations in standard glassware

Order Number	Model	Type	Voltage	Version
SQED059113	Rot.Evap.STRIKE 300 M1	Slanting glassware	220V	O
SQED059112	Rot.Evap.STRIKE 300 M2	Vertical glassware (Steam sinking type)	220V	V
SQED059111	Rot.Evap.STRIKE 300 M3	Vertical glassware(Steam rising type)	220V	U

Configurations in plastic coated safety glassware

Order Number	Model	Type	Voltage	Version
SQED059419	Rot.Evap.STRIKE 300 M4	Slanting glassware	220V	O/P
SQED059418	Rot.Evap.STRIKE 300 M5	Vertical glassware (Steam sinking type)	220V	V/P
SQED059417	Rot.Evap.STRIKE 300 M6	Vertical glassware(Steam rising type)	220V	U/P
SQED059420	Rot.Evap.STRIKE 300 M7	Dry ice condensation type	220V	C

NOTE: Other glassware versions are available upon specific request

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