



ROTARY EVAPORATOR STRIKE



A GENERATION AHEAD



®

STRIKE 300



300 SAFE

**Multifunction
touch-screen**

**Maintenance-free
vacuum and
solvent sealing**

**Powered glassware
lifting equipment
as standard**

**Removable
safety
shield**

**Removable
thermostatic
bath**

Easy to use

Compact design

SAFETY ROTARY EVAPORATOR



SAFETY ROTARY EVAPORATOR

STEROGLOSS®



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. A common aim of the numerous publications is to define good practice, make it known and then develop it to the point where working conditions favour greater worker safety and health. To instill a culture of prevention and to change attitudes, it is necessary to improve understanding of risk for the people directly involved, through education, by making them aware as well as and helping them anticipate new risks. It is also essential to integrate health and workplace safety into company management and in other activities that lead to a systematic approach to workplace well-being, thus adapting to all the changes that normally take place. The risk prevention attitude must be consolidated by demonstrating that effective workplace safety and health policies are a strategic factor in market competition and that, in contrast, absence of these policies brings added costs.

A PHILOSOPHY OF SAFETY

■ A PHILOSOPHY OF SAFETY

STEROGLASS®

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.



CONTROL PANEL

The touch screen is wide and easy to read. The microprocessor is multi-programmable and GLP compliant. Quick Start/Stop control and parameter selection knob.



POWERED GLASSWARE

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



INTEGRATED VACUUM CONTROLLER

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



SEALING SYSTEM

The exclusive STEROGLOSS sealing system allows a perfect vacuum-tight, self-lubrication, 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.

THE AUTOMATIC ROTARY EVAPORATOR

Thanks to the ST300 vacuum controller and the PT100 probe it is possible to set working programs with automatic vacuum ramps thus allowing a completely automatic solvent separation.



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 traditional unthreaded cone flasks and spring-clamps to mount the flasks).



SAFETY SHIELD

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



FEATURES

Standard features and performances:

- ▶ Removable safety shield
- ▶ Glassware lifting made possible with or without protective shield
- ▶ Maintenance-free PTFE and carbon graphite seals
- ▶ Powered glassware lifting equipment with manual safety release (in case of power failure)
- ▶ 3.5" monochromatic LCD touch highlight screen
- ▶ Quick Start/Stop control and parameter selector
- ▶ Rodavis evaporation flask connection system
- ▶ Removable thermostatic bath, PTFE coated
- ▶ GLP-compliant instrument (with standard USB interface)
- ▶ Optional fume temperature probe
- ▶ Optional vacuum controller
- ▶ Rotation speed from 20 to 280 rpm (150W induction motor)
- ▶ Thermostatic bath ambient temperature: 185° C (2 possible settings: water and oil)
- ▶ Bath heater: 1200 W
- ▶ Bath capacity: 5 litres
- ▶ Bath material: PTFE coated
- ▶ Removable bath for emptying
- ▶ Models available with vertical or slanting, standard or plastic-coated glassware
- ▶ Evaporating flasks: 1000 ml (optional 50 to 3000ml)
- ▶ Collecting flasks: 1000 ml (optional 250 to 2000ml)
- ▶ Overall dimensions: 690x700x430 mm (vertical version, HxDxL)
- ▶ Weight: 26,5 Kg (vertical version)
- ▶ Overall dimensions: 690x790x430 mm (slanting version, HxDxL)
- ▶ Weight: 26 Kg (slanting version)
- ▶ Voltage: 230 V AC, 50Hz
- ▶ Power consumption: 1400W



Evaporator in non-operating phase without protective shield

Evaporator in stand-by phase with lifted glassware and protective shield

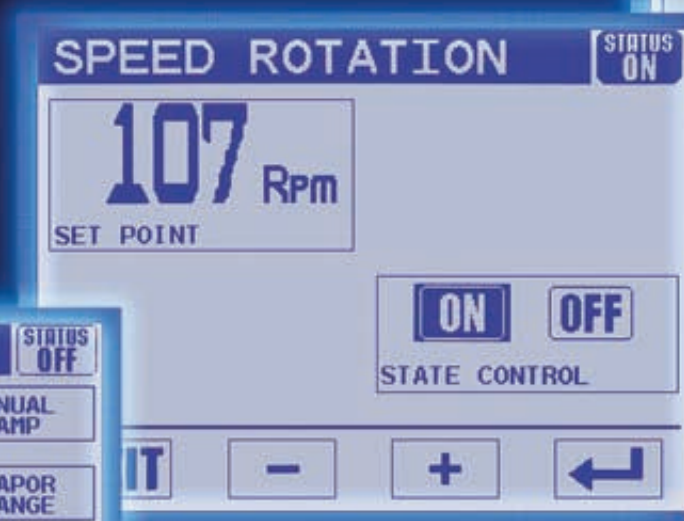
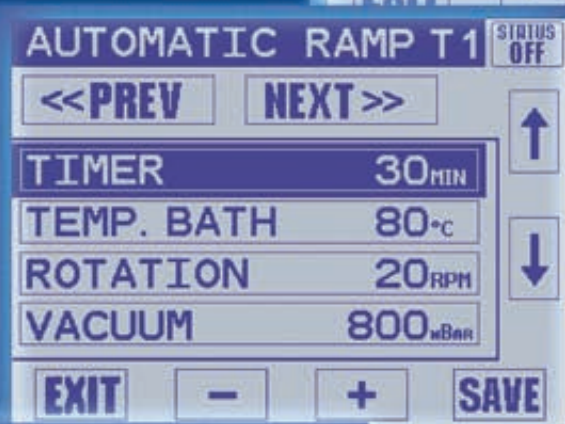
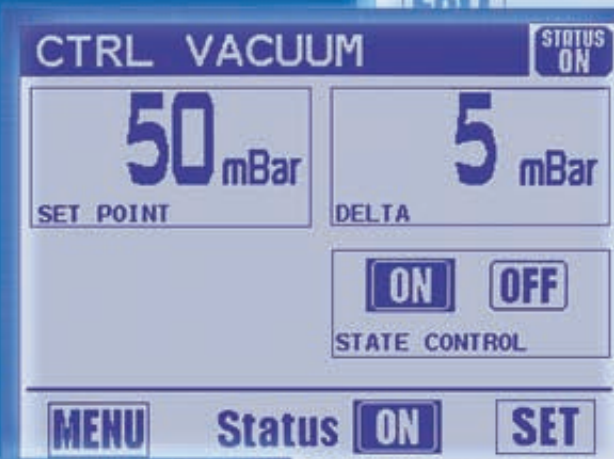
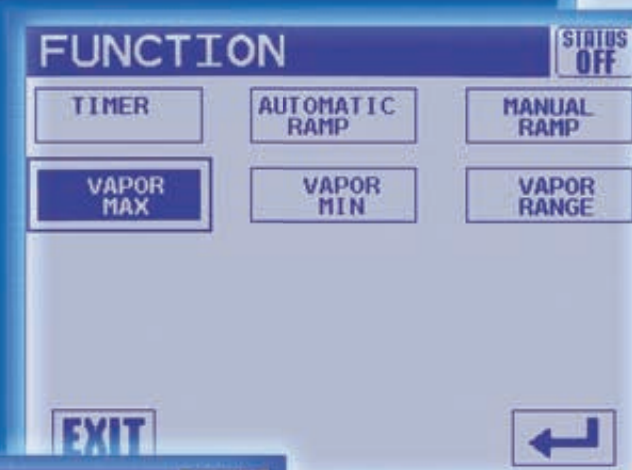
Evaporator in operating phase



CONTROL PANEL

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 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 as standard (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 optional 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



DESCRIPTION

CODE

CONFIGURATIONS IN STANDARD GLASSWARE

Rot. Evap. STRIKE 300	220 V.	Slanting glassware	O	SQED059113
Rot. Evap. STRIKE 300	220 V.	Vertical glassware	V	SQED059112

CONFIGURATIONS IN PLASTIC COATED SAFETY GLASSWARE

Rot. Evap. STRIKE 300	220 V.	Slanting plastic coated glassware	O/P	SQED059419
Rot. Evap. STRIKE 300	220 V.	Vertical plastic coated glassware	V/P	SQED059418

NOTE: Other glassware versions are available upon specific request



ACCESSORIES AND SPARE PARTS



PT100 probe

complete with trap for vapour temperature reading (directly interfaced and controlled by Strike 300)

SQEF059420

ST300 vacuum controller

complete with valve (directly interfaced and controlled by Strike 300). The vacuum tube is not included.

SQEF059421

BOROSILICATE GLASS REFRIGERATOR

with internal coil, O version (slanting)	SQEF059799
plastic coated, with internal coil, O version (slanting)	SQEF059798
with internal coil, V version (vertical)	SQEF059796
plastic coated, with internal coil, V version (vertical)	SQEF059797

DESCRIPTION

CODE

BOROSILICATE GLASS RODAVIS EVAPORATING FLASK 29/32

Capacity	50 ml	SQFY051170
Capacity	100 ml	SQFY015938
Capacity	250 ml	SQFY015939
Capacity	500 ml	SQFY015940
Capacity	1000 ml	SQFY015934
Capacity	2000 ml	SQFY015935
Capacity	3000 ml	SQFY015936



EVAPORATING FLASKS FOR POWDERS

Capacity	500 ml	SQFY046060
Capacity	1000 ml	SQFY046062
Capacity	2000 ml	SQFY046061
Capacity	3000 ml	SQFW047273



BOROSILICATE GLASS COLLECTING FLASK 35/20

Capacity	500 ml	SQUA015798
Capacity	1000 ml	SQUA015796
Capacity	2000 ml	SQUA015792



BOROSILICATE GLASS ADAPTER

for multiple evaporation
N. 4 sockets NS12 with central socket RODAVIS 29

SQFW029300

BOROSILICATE GLASS ADAPTER

N. 4 sockets NS29 with central socket RODAVIS 29

SQUA062435

BOROSILICATE GLASS ADAPTER

N. 3 sockets NS29 with central socket RODAVIS 29

SQUA062434

ANTI-SPRINKLING BUBBLE in borosilicate glass

for evaporation flasks
up to 500 ml

SQFW026451

STEAM PASSING PIPE

with anti-sprinkling bubble

SQEF062440

TIGHTENING CLAMP for flasks with spherical joint

FLMM016694

FLASK FIXING CLAMP

FLMU016720

PTFE sleeve for steam tube

KAMY011542

8x16 mm RUBBER VACUUM RESISTANT TUBE

AEHA024258



UNIVERSAL VACUUM SYSTEMS

Suitable for any rotary evaporator

DESCRIPTION	CODE
STEROVAC electronic vacuum control device	SQFW039583
STEROVAC 1 vacuum pump	SQNM046462
STEROVAC SYSTEM 2 pre-configured vacuum pump system + 1 control unit + 2 traps	SQNM047902
STEROVAC TRAP vacuum pump system + traps	SQNM065606
TRAP	SQN0065607
LOW TEMPERATURE CHILLERS for condenser refrigeration	upon request



STEROVAC



STEROVAC SYSTEM 2 front



STEROVAC 1



STEROVAC SYSTEM 2 back



STEROVAC TRAP



TRAP

300
®
W
K
R
F
S

300 STRIKE®

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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

