


STRIKE[®] 300

STEROGLASS s.r.l
Via Romano di Sopra, 2/C

06132 S.Martino in Campo
PG - Italy
Tel. +39-075-609091
Fax +39-075-6090950

Internet: www.steroglass.it
E-mail: info@steroglass.it



progetto grafico e design Strike 300 

Duplicat STRIKE 300 ENGL. REV 3 - OCTOBER 03

photo: Roberto Vaccai

ROTARY EVAPORATOR STRIKE A GENERATION AHEAD

STRIKE[®] 300



STRIKE 300

SAFETY ROTARY EVAPORATOR

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

STEROGLOSS



A PHILOSOPHY OF SAFETY

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- ▶ 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, and safety 626 italian law and subsequent amendments are most important. 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.



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

Standard powered glassware lifting equipment for all



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.

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
- ▶ 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

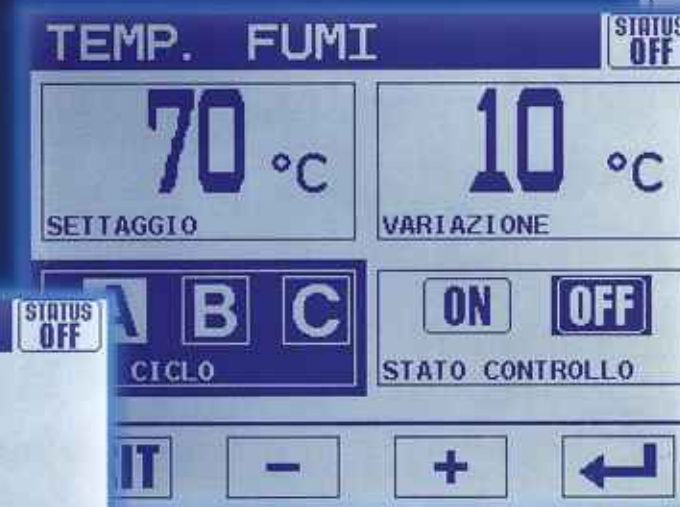


CONTROL PANEL

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

SOFTWARE
English
Version
Available



STRIKE MODELS

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

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

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	SQFY047273

BOROSILICATE GLASS COLLECTING FLASK 35/20

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

PLASTIC COATED BOROSILICATE GLASS COLLECTING FLASK 35/20

Capacity 500 ml	SQUA015791
Capacity 1000 ml	SQUA015789
Capacity 2000 ml	SQUA015790

ANTI-SPRINKLING BUBBLE in borosilicate glass

SQFW026451

TIGHTENING CLAMP for flasks with spherical joint

FLMM016694



Slanting version



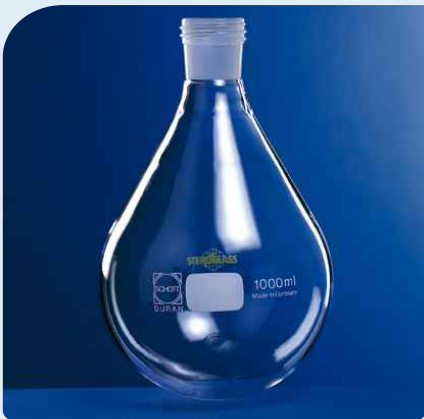
Space-saving vertical version



Borosilicate glass refrigerator for Strike 300 (slanting version)



Borosilicate glass refrigerator for Strike 300 (vertical version)



ACCESSORIES AND SPARE PARTS

DESCRIPTION	CODE
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)	SQEF059421
Flask fixing clamp	FLMU016720
PTFE sleeve for steam tube	KAMY011542

VACUUM SYSTEMS

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 SYSTEM 3 pre-configured vacuum pump system + 2 control units + 2 traps	SQNM047903
CRYOCHILLER ecological refrigeration system with vacuum controller	SQCT033109

ACCESSORIES AND SPARE PARTS

STEROVAC SYSTEM 2/3

Glass condenser	SQN0048110
Rounded-bottom flask - 250 ml SF 35/20	SQUA015797
Red polyacetate clamp	FLMU016720
Woulff glass bottle - 200 ml	SQN0048113
Neoprene black tube kit	SQN0048114

ACCESSORIES AND SPARE PARTS

CRYOCHILLER

Collection flask - 250 ml	SQUA015797
Tightening clamp	FLMM016694
Coolant, 5 L	SQPG035456
Replacement coolant	SQFY037082
Vacuum pump	IMNM017501
Spherical joint adaptor	SQS0037115
PTFE seals	MEJQ004039
Wheels	VAJS035133
Vacuum hose/metre	AEHA024258
Coolant tube	AG0Y024214
Insulation for coolant tube	VAJS035372
Expansions system to connect 2 rotary evaporators	SQCV045825

