

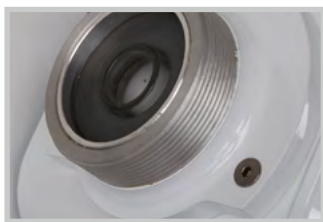
Rotary Evaporator

Strike 185

STRIKE 185

Wiggins Strike Series Rotary Evaporators are specially designed for standard distillations, concentration, purification, powder drying and separation of one or several solvents, with maximum safety, efficiency and ease of use. All Functions can be viewed and monitored on the large and clear Touch Screen display, the parameters can be set by touch screen, the turning knob or using both the same time for fast adjustment, the user can reduce the process time by using the programs for automatic distillation with the integrated temperature controller, vacuum controller, timer and other special features.

Features



● Sealing system

- > The unique sealing system allows a perfect vacuum-tight and anti-corrosion
- > With chemically resistant gasket, suitable for various samples
- > This sealing system is a standard feature in all strike models and can be used with all types of glassware set.



● Mechanical structure

- > With electric lifting device, adjustable stroke, and it can also stop at any position
- > With powerful rotation motor, the speed up to 300 Rpm
- > Adjustable angle of the evaporating flask can be individually set according to your needs



● Glassware set

- > All glassware sets are also available with transparent plastic coating for added safety
- > Four types of condensers
- > Different volumes of evaporating and receiving flasks
- > Standard package includes one 1,000ml evaporating flask and one 1,000ml receiving flask
- > Other accessories are optional, such as adapters, anti-sprinkling bubbles, vapor tubes...



● Vapor tube

- > Evaporating flasks and vapor tubes come with a standard NS 29/32 joint
- > PTFE sleeves ensure tight sealing while preventing the glass from sticking together
- > Easy to disassemble, clean and replace the parts



● Thread locking design

- > The easy clamp is made of highly resistant material which ensures a long life performance
- > The easy clamp can't get lost due to a direct connection to the drive
- > The integrated screw thread allows an easy removal of the evaporation flasks



● Display and operation

- > Touch screen with multi-language user interface
- > Easy to operate using the turn & push knob
- > Multifunction display, for bath temperature, Stirring speed, vacuum, vapor and condenser cooling water temperature



● Function

- > Custom method, one-click start, after booting to save the last settings
- > Up to 9 steps programmable distillation conditions
- > Timing function distillation: The distillation program will be closed automatically when the setting time is reached



● Safety

- > A safety heating bath with overheating and dry running protection
- > In case of a power outage, the electric lifting device removes the flask from the heating bath to prevent the safety issues and potential thermal damage to your sample
- > The shield is standard for all models. It can be removed by the operator and fitted beside the instrument



● Heating bath

- > With the same thermostat bath, you can choose the water or oil bath fluid in the MENU
- > Two bath fluid modes: up to 85°C with water; up to 180°C with oil
- > High quality stainless steel (304) bath tank
- > With high quality protective shell, prevent scald
- > The position of the bath can be easily adjusted to fix the evaporation position for different volume evaporating flasks



● Optional accessories and peripheral modules

- > Vacuum controller: the vacuum can be set and displayed directly on the touch screen
- > Vapor temperature sensor with glass sleeve
- > Vacuum pumps, vacuum solvent recovery system, chillers, adapters and tubes

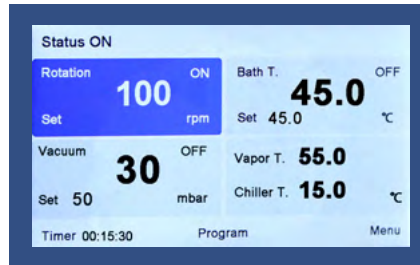


Display and operation

① Main interface

Click the touch screen, select the setting icon, set the parameters through the knob, press the knob to save the value

- > Rotation switch and speed knob
- > Bath temperature switch and settings
- > Vacuum switch and settings
- > Vapor temperature display, when connected to a vapor temperature sensor
- > Cooling temperature display, when connected to a cooling temperature sensor

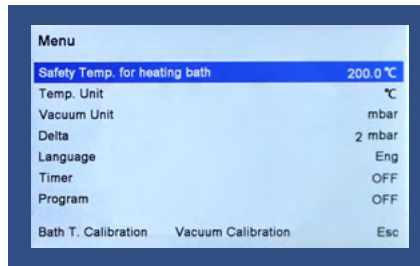


①

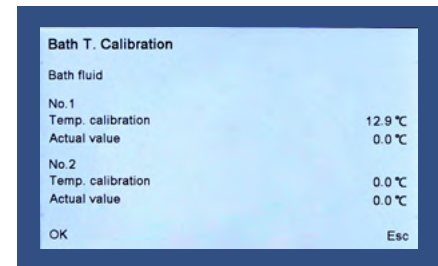
During the experiment, all information can be displayed on the same screen

② Menu

- > Safety temperature settings for the bath
- > Temperature unit
- > Vacuum unit
- > Delta of vacuum
- > Language
- > Timer



②



④

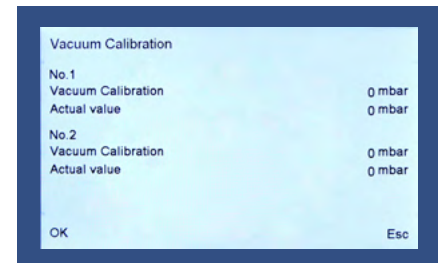
③ Program

All the parameters:

Up to 9 steps programmable distillation conditions including the bath temperature, Stirring speed, vacuum, vacuum delta and can be set separately in each step



③



⑤

④ Bath temperature calibration (two points)

⑤ Vacuum calibration (two points)



Specifications

Technical data	Strike 185
Models	Slanting glassware, Vertical glassware (Vapor sinking), Vertical glassware (Vapor rising), Dry ice condensation type
Glassware	Standard or plastic-coated glassware
Stirring speed	20 to 300 rpm (DC motor)
Screen	4.3" monochromatic LCD touch screen
Sealing	PTFE and carbon graphite seals
Connection	Coupling ring and ejector of evaporation flask
Bath temperature	180 (2 possible settings: water and oil)
Bath heater	1400W
Bath capacity	5 liters
Temperature stability	± 0.2
Bath material	Stainless steel
Left and right moving distance	90mm
Draining	Removable bath for emptying
Stroke displacement	13cm, adjustable, and can be stopped at any position
Head angle adjustable	0~15 °
Cooling surface	1500cm ²
Evaporating flasks	1000ml (optional 50 to 2000ml)
Collecting flasks	1000ml (optional 250 to 2000ml)
Weight	30Kg
Overall dimensions (HxDxL)	790*410*700mm (M1/M4) / 650*410*610mm (M2/M5) 650*410*890mm (M3/M6) / 650*410*890mm (M7)
Voltage	230 V AC, 50Hz
Options	Vapor temperature probe, condenser cooling water temperature probe, vacuum pump and controller, chiller...
Protective shield	Glassware lifting up possible with or without the protective shield
Other features	Powered glassware lifting up device with safety release (in case of power failure) Quick start/stop control and parameter selector



Models of STRIKE 185



STRIKE 185 M1 / M4
Slanting glassware



STRIKE 185 M2 / M5
Vertical glassware (Vapor sinking)



STRIKE 185 M3 / M6
Vertical glassware (Vapor rising)



STRIKE 185 M7
Dry ice condensation type

Configurations in standard glassware

Order Number	Model	Type	Voltage	Version
SQED148113	STRIKE 185 M1	Slanting glassware	220V	O
SQED148112	STRIKE 185 M2	Vertical glassware (Vapor sinking)	220V	V
SQED148111	STRIKE 185 M3	Vertical glassware (Vapor rising)	220V	U

Configurations in plastic coated safety glassware

Order Number	Model	Type	Voltage	Version
SQED148419	STRIKE 185 M4	Slanting glassware	220V	O/P
SQED148418	STRIKE 185 M5	Vertical glassware (Vapor sinking)	220V	V/P
SQED148417	STRIKE 185 M6	Vertical glassware (Vapor rising)	220V	U/P
SQED148420	STRIKE 185 M7	Dry ice condensation type	220V	C



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