WIGGENS
The Magic Motion

Rotary Evaporator
Strike 385

WIGGENS
THE MAGIC MOTION

Rotary Evaporator
Strike 385

A philosophy of safety

The rotary evaporator Strike 385 combines excellent operating characteristics and high performance levels, all in an ergonomic design. Strike 385 has been projected in complete respect of safety needs and in compliance with the existing directive regarding equipment construction and electromagnetic compatibility.

Features

Sealing system

> The exclusive 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.

Mechanical structure

> With electric lift system, adjustable stroke, and it can also stop at any position

> With powerful rotation Motor, the speed up to 280 RPM

> Adjustable angle of the evaporating flask individually according to your needs

Glassware

> All glassware sets are also available with transparent plastic coating for added safety

> Four types of condensers are optional

> Different volume of Evaporating and receiving flasks are available

> Standard packages are include one 1,000ml evaporating flask and one 1,000ml receiving flask

> Other accessories are optional, such as adapters, Anti-sprinkling bubbles, vapor tube…

Vapor tube

> Evaporating flasks and vapor tubes which come with a standard NS 29/32 joint size

> PTFE sleeves ensure high sealing while preventing the glass from sticking together

> Easy to disassemble, clean and replace

Thread locking design

> With screw thread locking function, screw cap is fixed by clip spring to prevent loss

> Screw cap can be removed for install other evaporation flask with different connector

> Made of corrosion-resistant material

Display and operation

> Touch screen with multi-language user interface

> Easy to operate using the turn & push controller

> Multifunction display, for bath temperature, rotation speed, vacuum, vapor temperature

Function

> Custom method, one-click start, after boot to save the last settings

> Multistage distillation, with Max. 9 steps, after each step, it will automatically move on to the next step

> Timing distillation, automatic end of distillation after the end of timing

NEW!

Safety

> Overheat protection design that prevents water baths running dry

> In case of a power cut, motor lift will remove the flask from the heating bath preventing safety hazards 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 with water, up to 185 with oil

> High strength stamped inner bath and anti-corrosion PTFE coating

> 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, and the vacuum can be set and displayed directly on touch screen

> Vapor temperature sensor, with glass sleeve

> Vacuum pumps, Solvent recovery system, Chillers, Adapters and tubes

Rotary Evaporator
Strike 385

Features

Strike 385 almost has all of the features and functions as Strike 285, but also with the following characteristics, suitable for more complex distillation and experimental needs.
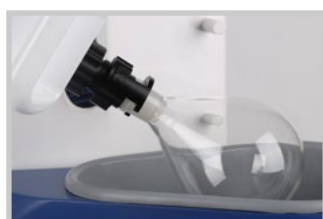

Display

> Touch screen with multi-language user interface, and it can be locked

> Easy to operate only using the turn & push controller

> Multifunction display, for bath temperature, rotation speed, vacuum, vapor and cooling temperature

Features

> Custom method, one-click start, after boot to save the last settings

> Standard method, customer can save the current settings as a standard method, easy to quickly call in the future, Up to 21 methods can be stored

> Manual multistage distillation. At the end of each step, it need to be confirm by operator, then move on to the next step. Up to 21 methods can be stored, each of them can be set 5 steps

> Automatic multistage distillation. At the end of each step, it automatically moves to the next step (Application examples: concentration). Up to 21 methods can be stored, each of them can be set 5 steps

> Timer distillation, When the time is over, the distillation will automatically end

Safety

> Overheat protection design that prevents water baths running dry

> In case of a power cut, motor lift will remove the flask from the heating bath preventing safety hazards 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

> High vapor temperature protection, low vapor temperature protection and vapor temperature range settings

Display and operation

General Settings
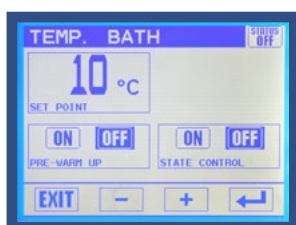
Bath temperature settings
> Bath temperature switch
> Temperature settings
> Pre-warm up switch (After the main power switch is turned on, the bath can be heated to a set temperature)
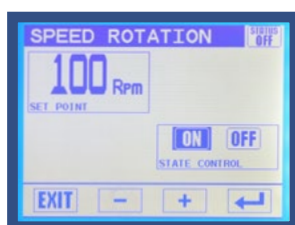
Rotation settings
> Rotation switch
> Speed settings
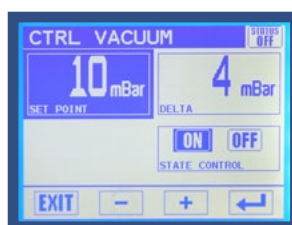
Vacuum settings
> Vacuum switch
> Vacuum settings
> Vacuum Delta (Permissible vacuum fluctuation range and control valve opening and closing frequency)
> If optional ST380 vacuum controller is present

Vapor temperature monitoring and protection
> Vapor temperature display
> Max. vapor temperature settings
> Min. vapor temperature settings
> Vapor temperature range

Advanced settings
Unique function
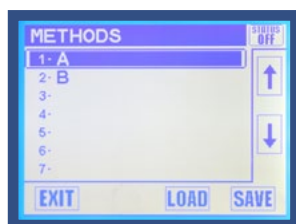
Method
Customer can save the current settings as a standard method, easy to quickly call in the future, Up to 21 methods can be stored
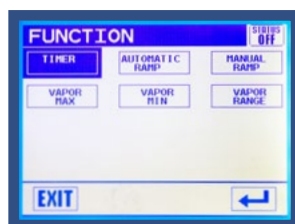
Function
> Manual multistage distillation. At the end of each step, it need to be confirm by operator, then move on to the next step. Up to 21 methods can be stored, each of them can be set 5 steps
> Automatic multistage distillation. At the end of each step, it automatically moves to the next step (Application examples: concentration). Up to 21 methods can be stored, each of them can be set 5 steps
> Timer distillation, When the time is over, the distillation will automatically end
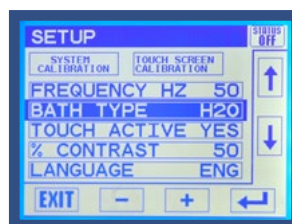
Setup
> Frequency (50 / 60Hz)
> Bath type (Water / Oil)
> Touch active (Yes / No)
> Contrast
> Language

Password for calibration
Bath temperature sensor
Vapor temperature sensor
Cooling temperature sensor
Vacuum

Specifications

Technical data	Strike 385
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	The exclusive sealing system allows a perfect vacuum-tight and anti-corrosion
Connection	The Easy clamp is made of highly resistant material which ensures a long life performance
Bath temperature	185 (2 possible settings: water and oil)
Bath heater	1400W
Bath capacity	5 liters
Temperature Stability	± 0.2
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 2000ml)
Collecting flasks	1000ml (optional 250 to 2000ml)
Weight	26,5 Kg (vertical version), 26 Kg (slanting version)
Overall dimensions	690x700x430mm (vertical version,HxDxL) 690x790x430mm (slanting version,HxDxL)
Voltage	230 V AC, 50/60Hz
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

Models of Strike 385

STRIKE 385 M1 / M4
Slanting glassware

STRIKE 385 M2 / M5
Vertical glassware (Steam sinking type)

Best-seller!

STRIKE 385 M3 / M6
Vertical glassware (Steam rising type)

STRIKE 385 M7
Dry ice condensation type

Configurations in standard glassware

Order Number	Model	Type	Voltage	Version
SQED160113	Rot.Evap.Strike 385 M1	Slanting glassware	220V	O
SQED160112	Rot.Evap.Strike 385 M2	Vertical glassware (Steam sinking type)	220V	V
SQED160111	Rot.Evap.Strike 385 M3	Vertical glassware (Steam rising type)	220V	U

Configurations in plastic coated safety glassware

Order Number	Model	Type	Voltage	Version
SQED160419	Rot.Evap.Strike 385 M4	Slanting glassware	220V	O/P
SQED160418	Rot.Evap.Strike 385 M5	Vertical glassware (Steam sinking type)	220V	V/P
SQED160417	Rot.Evap.Strike 385 M6	Vertical glassware(Steam rising type)	220V	U/P
SQED160420	Rot.Evap.Strike 385 M7	Dry ice condensation type	220V	C

NOTE: Other glassware versions are available upon specific request

Five steps to building up your rotary evaporator

Step 1

Best-seller!

STRIKE185 / 285 / 385
Slanting glassware

STRIKE185 / 285 / 385
Vertical glassware (Steam sinking type)

STRIKE185 / 285 / 385
Vertical glassware (Steam rising type)

Rotary evaporator Strike185 / 285 / 385
> Three sets of glassware available:
> Two kinds glass materials available: Borosilicate glass / Glass with safety coating
> Evaporating flasks: 1000ml (50~2000ml are optional)
> Collecting flasks:1000ml (250~2000ml are optional)

Step 2

Best-seller!

F series recirculating cooler
-10   +40

FL series recirculating cooler
-20   +40

Chiller
* Various chillers available

	0.5-1 L	up to 2 L	
STRIKE185 / 285 / 385	1	2	3-4
Chiller	FL300	F500 FL601	F1000 FL1201

Step 3

C410 / C510
Vacuum pump

CSH410 / CSH510
Solvent Recovery Systems

CSC410 / CSC510
Solvent Recovery Systems

Vacuum system
Different vacuum systems are optional according to different experimental requirements

	C series	CSH series	CSC series
Vacuum pump			
Vacuum controller			
Condensers			
Separator			
Collecting flasks			

Step 4

ST280
Vacuum controller

ST380
Vacuum controller

DVR480
Vacuum controller

Vacuum controller
> If a vacuum controller is selected, different vacuum can be controlled
> ST280 can display vacuum values on the screen of rotary evaporator
> ST380 can display vacuum values on the screen of rotary evaporator
> DVR480 can set and display the vacuum value directly.
> CSC series already contains the vacuum controller.

Step 5

Possibility to operate according to steam temperature (if optional probe is present)
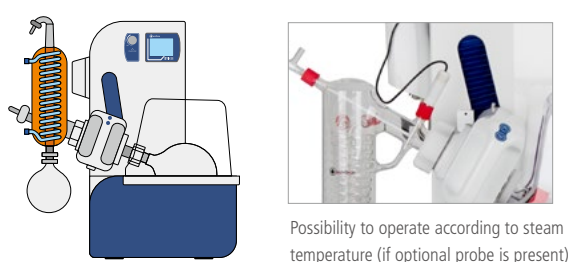
Temperature sensor
> Possibility to operate according to steam temperature (if optional probe is present)
> Strike185/285 can also display cooling water temperature (if optional probe is present)
> Glass temperature sensor, corrosion resistant
> Steam temperature can be display from the screen of rotary evaporator

WIGGENS
THE MAGIC MOTION

Vacuum pumps, vacuum controller and solvent recovery systems

Chemical Resistant Pumps

CE

Model	A 410	A 510	C410	C510	C610
Max.powe(W	95	245	95	245	245
Max.vacuum (mbar)	13	8	13	8	2-4
Max.Flow Rate (L/min)	25	40	25	34	37
Outlet (mm)	10	10	10	10	10

The above are the specifications of 220V models. Suitable for STIRKE185/285/385

A Pump

C Pump

Solvent recovery system - CSH serirs

The inlet of the CSH System is connected to a segregation bottle, whereas the outlet is connected to a condenser, which is used to condensate and recover the solvent.

Model	CSH 410	CSH 510
Build in Pump Type	C410	C510
Power (W)	95	245
Ultimate Vacuum (mbar)	13	8
Max. Flow Rate (l/min)	25	34
Outlet Size (outer diameter in mm)	10	10
Order No.	900512	900513
Suitable for	STIRKE185/285/385	STIRKE185/285/385

CSH Series

Vacuum controller

Model	DVR480 / DVR480-Pro	ST280	ST380
Voltage	100-240V, 50/60Hz	12VDC	12VDC
Displayed Vacuum Accuracy	0.1 mbar	1 mbar	1 mbar
Controllable Range	0.1~1000 mbar	1~1000 mbar	1~1000 mbar
Measurement Accuracy	0.25 level / 0.1 level	1 level	1 level
Display	LED	Display on the Strike 280	Display on the Strike 380
Control Mode	On-Touch	Controlled by Strike 280	Controlled by Strike 380
Timer / Program	Yes / Up to 5 Steps	-	-
Pressure Release Feature	Yes	No	No
Electrical Control of the Pump	Yes	Yes	Yes
Protection Category	IP40	IP40	IP40
Corrosion resistance	All parts that come into contact with gases are made of PTFE or highly durable ceramic to ensure the resistance to various acid, base, or organic solvent gases.		
Suitable for	STIRKE185/285/385	STIRKE185/285	STIRKE385

DVR 480 Series

ST280 / ST380

Solvent recovery system - CSC serirs

The inlet of the CSC System is connected to a segregation bottle, whereas the outlet is connected to a condenser, which is used to condensate and recover the solvent. In addition, the system contains a vacuum controller to set, display, and control the vacuum.

Fully automated vacuum generation system comprising Chemical resistant diaphragm vacuum pump, base plate, high performance condenser, segregation bettle, Vacuum control device, valves and control unit.

Model	CSC 410	CSC 510
Build in Pump Type	C410	C510
Power (W)	95	245
Ultimate Vacuum (mbar)	13	8
Max. Flow Rate (l/min)	25	34
Outlet Size (outer diameter in mm)	10	10
Order No.	900522	900523
Suitable for	STIRKE185/285/385	STIRKE185/285/385

Note: CSC Solvent Recovery Systems already contains a vacuum controller.

CSC Series

Accessories and spare parts

GS1 / GS4

GS2 / GS5

GS3 / GS6

GS7

Glassware set

Order No.	Type	Description
SQED159113GS	GS1	Glassware set, Slanting type included SQFY015937 evaporating flask SQEF059799 condenser SQUA015796 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.
SQED159112GS	GS2	Glassware set, Steam sinking type included SQFY015937 evaporating flask SQEF059796 condenser SQUA015796 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.
SQED159111GS	GS3	Glassware set, Steam rising type included SQFY015937 evaporating flask SSQEF059794 condenser SQUA015796 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.
SQED159419GS	GS4	Glassware set, Steam sinking type included SQFY015937 evaporating flask SQEF059798 condenser SQUA015789 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.
SQED159418GS	GS5	Glassware set, Steam sinking type included SQFY015937 evaporating flask SQEF059797 condenser SQUA015789 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.
SQED159417GS	GS6	Glassware set, Steam rising type included SQFY015937 evaporating flask SQEF059795 condenser SQUA015789 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.
SQED159420GS	GS7	Glassware set, Dry ice condensation type included SQFY015937 evaporating flask SQEF059793 condenser SQUA015796 collection flask FLMM016694 Clamp, PTFE refill pipe and valve, 8mm vacuum tubing, cooling water tubing etc.

Slanting type

Steam sinking type

Steam rising type

Dry ice condensation type

Condenser

Order No.	Order No.	Description
High Quality borosilicate glass	Plastic coated saftey glassware	
SQEF159799	SQEF159798	Slanting type
SQEF159796	SQEF159797	Steam sinking type
SQEF159794	SQEF159792	Steam rising type
SQEF159793		Dry ice condensation type

Borosilicate glass evaporating flask 29/32

Order No.	Order No.	Volume	Connection	Clamp
High Quality borosilicate glass	Plastic coated saftey glassware			
SQFY051171	SQFY051171S	50mL	NS29/32	FLMU016720
SQFY015948	SQFY015948S	100mL	NS29/32	FLMU016720
SQFY015949	SQFY015949S	250mL	NS29/32	FLMU016720
SQFY015941	SQFY015941S	500mL	NS29/32	FLMU016720
SQFY015937	SQFY015937S	1000mL	NS29/32	FLMU016720
SQFY015936	SQFY015936S	2000mL	NS29/32	FLMU016720

Evaporating flasks for powders

Order No.	Order No.	Volume	Connection
High Quality borosilicate glass	Plastic coated saftey glassware		
SQFY146060	SQFY146060S	500mL	NS29/32
SQFY146062	SQFY146062S	1000mL	NS29/32
SQFY146061	SQFY146061S	2000mL	NS29/32

Borosilicate glass collecting flask 35/20

Order No.	Order No.	Volume	Connection	Clamp
High Quality borosilicate glass	Plastic coated saftey glassware			
SQUA015797	SQUA015788	250mL	35/20 (Spherical Joint)	FLMM016694
SQUA015798	SQUA015791	500mL	35/20 (Spherical Joint)	FLMM016694
SQUA015796	SQUA015789	1000mL	35/20 (Spherical Joint)	FLMM016694
SQUA015792	SQUA015790	2000mL	35/20 (Spherical Joint)	FLMM016694

Borosilicate glass adapter for collecting flask

Order No.	Inner joint	Out joint	Clamp
SQFW129300	NS29/32	4× NS14/23	FLMU016723
SQFW129301	NS29/32	4× NS19/32	FLMU016722
SQUA162434	NS29/32	3× NS29/32	FLMU016720
SQUA162435	NS29/32	4× NS29/32	FLMU016720

Borosilicate glass adapter for connection

Order No.	Inner joint	Out joint	Clamp
SWAD160001	NS29/32	NS24/29	FLMU016721
SWAD160002	NS29/32	NS19/26	FLMU016722
SWAD160003	NS29/32	NS14/23	FLMU016723

Anti-sprinkling bubble in borosilicate glass

Order No.	Bubble volume	Inner joint	Out joint	Clamp
SQFW126450	50mL	NS29/32	NS29/32	FLMU016720
SQFW126451	100mL	NS29/32	NS29/32	FLMU016720
SQFW126452	100mL	NS29/32	NS24/29	FLMU016721
SQFW126453	250mL	NS29/32	NS29/32	FLMU016720
SQFW126454	250mL	NS29/32	NS24/29	FLMU016721

PT100 probe

Order No.	Description
SQEF059420	complete with trap for vapour temperature reading

Joint clips, plastic

Order No.		Description
FLMU016720	JRS-7598-29	For 29/32, pk/1
FLMU016721	JRS-7598-24	For 24/29, pk/1
FLMU016722	JRS-7598-19	For 19/26, pk/1
FLMU016723	JRS-7598-14	For 14/23, pk/1

Discharge valve, vapor tube, sample flling tube

Order No.	Description
SQEF162449	Discharge valve
SQEF059795	Vapor tube

Tightening clamp

Order No.	Description
FLMM016694	Tightening clamp for flask with spherical joint

Sleeves, PTFE

Order No.		Description
KAMY011542	7551-14	For 29/42, pk/1
KAMY011544	7551-12	For 24/29, pk/1
KAMY011546	7551-09	For 19/22, pk/1
KAMY011547	7551-06	For 14/23, pk/1

Rubber vacuum resistant tube

Order No.	Description
168001-01	Outer diameter: 14mm, Inner diameter: 8mm, Thickness: 3mm, Length: 1m
016.1712.01	Outer diameter: 12mm, Inner diameter: 10mm, Thickness: 1mm, Length: 1m

Chandigarh
New Delhi
Lucknow
Guwahati
Ahmedabad
Kolkata
Vadodara
Navi Mumbai
Bhubaneswar
Pune
Hyderabad
Visakhapatnam
Goa
Chennai
Bengaluru
Thiruvananthapuram

Scientific Research Instruments Company Private Limited

42-43, 2nd & 3rd Floor, 1st Cross, Gubbalala, Bengaluru - 560 061
Telephone : 080 4757 2577 | 080 4302 5791

Sales
info@srico-labworld.com
Mobile : **+91 9900674407**

Service
service@srico-labworld.com
Mobile : **+91 9900055879**

Bhubaneswar | Hyderabad | New Delhi | Navi Mumbai | Vadodara
Ahmedabad | Chandigarh | Chennai | Goa | Guwahati | Kolkata | Lucknow | Pune | Thiruvanathapuram | Visakhapatnam

www.srico-labworld.com