WIGGENS
THE MAGIC MOTION

Five steps to building up your rotary evaporator

Step 1

STRIKE 185 / 285 / 385
Slanting glassware

STRIKE 185 / 285 / 385
Vertical glassware (Vapor sinking)

STRIKE 185 / 285 / 385
Vertical glassware (Vapor rising)

Rotary evaporator STRIKE 185 / 285 / 385

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

Step 2

Recirculating chiller
-10 ~ +40℃

Recirculating chiller
-20 ~ +40℃

Chiller

* Various chillers available for different applications

	0.5-1 L	up to 2 L	
STRIKE 185 / 285 / 385	1	2	3-4
Chiller	FL300	F500 FL601	F1000 FL1201

Step 3

C420 / C520
Vacuum pump

CSH420 / CSH520
Solvent Recovery System

CSC420 / CSC520
Vacuum solvent recovery system

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

DVR480
Vacuum controller

Vacuum controller

> If a vacuum controller is selected, different vacuum can be controlled
> ST280 is a mounting vacuum control accessory for Wiggens rotary evaporator, the vacuum setting and display are through the touch screen of rotary evaporator
> DVR480 can set and display the vacuum value directly.
> CSC Vacuum solvent recovery system series already contain the vacuum controller.

Step 5

Possible to operate according to vapor temperature (if optional probe is present)

Temperature sensor

> Possible to operate according to vapor temperature (if optional probe is present)
> STRIKE285 can also display cooling water temperature (if optional probe is present)
> Glass temperature sensor, corrosion resistant
> Vapor temperature can be displayed on the screen of rotary evaporators

Accessories

Chemical Resistant Pump

Chemical resistant diaphragm pump with double stage

Model	A410	A510	C410	C510	C520	C610
Order No.			169410	169510	169520	169610
Max.power(W)	95	245	95	245	150	245
Max.vacuum (mbar)	13	8	13	8	8	2-4
Max.Flow Rate (l/min)	25	40	25	34	50	37
Outlet (mm)	10	10	10	10	10	10

The above are the specifications of 220V models. Suitable for Strike 185/285/385

Solvent recovery system, *without vacuum control*

Included Chemical resistant diaphragm pump, glassware and support stand

Model	CSH410	CSH510	CSH520
Order No.	900512	900513	900515
Power (W)	95	245	150
Ultimate Vacuum (mbar)	13	8	8
Max. Flow Rate (l/min)	25	34	50
Outlet Size (outer diameter in mm)	10	10	10

The above are the specifications of 220V models. Suitable for Strike 185/285/385

Solvent recovery system, *with vacuum control*

Fully controllable stand-alone vacuum pump including vacuum controller

Model	CSC 410	CSC 510	CSC 520
Order No.	900522	900523	900525
Power (W)	95	245	150
Ultimate Vacuum (mbar)	13	8	8
Max. Flow Rate (l/min)	25	34	50
Outlet Size (outer diameter in mm)	10	10	10

The above are the specifications of 220V models. Suitable for Strike 185/285/385

Solvent recovery system, *with vacuum control*

Fully controllable stand-alone vacuum pump including vacuum controller

Model	CSP410	CSP510	CSP520
Order No.	900542	900543	900545
Power (W)	95	245	150
Ultimate Vacuum (mbar)	13	8	8
Max. Flow Rate (l/min)	25	34	50
Outlet Size (outer diameter in mm)	10	10	10

The above are the specifications of 220V models, Suitable for Strike 185/285/385

Vacuum controller

ST280 is a mounting vacuum control accessory for Wiggens rotary evaporator, the vacuum setting and display are through the touch screen of rotary evaporator
For accurate vacuum control of Strike 185 Strike 285 and Strike 385 or valve regulated vacuum pumps.
Vacuum reange: 1~1014 mbar
Vacuum accuracy: 1 mbar

Description	Model	Order No.
Vacuum controler of Strike 185 /285 /385	ST280	SQEF059422

Compact recirculating coolers

The compact recirculating coolers in the F Series are economic models for routine applications in laboratories. The instruments cool in a temperature range of -10 or 0 °C to +40 °C and achieve a stability of ±0.5°C .

Model	F250	F500	F1000
Order No.	9620025	9620050	9620100
Working temperature range (°C)	-10...+40	0...+40	0...+40
Temperature stability (°C)	±0.5	±0.5	±0.5
Cooling capacity (kW)	0.25	0.5	1.0
Pump capacity flow pressure (l/min)	15	24	23
Pump capacity pressure (bar)	0.35	0.5	1.0

FL Recirculating coolers

The FL series offers a new generation of chillers for routine cooling applications within the laboratory and industry. The temperature stability of the PID control is ±0.5°C . All units can easily be cleaned and are provided with a splash water proof keypad with LED temperature indication. On the front of the units there is an RS232 interface as well as an alarm shutdown. The filling port is easily accessible placed on the top under a lift-up cover.

Model	FL300	FL601	FL1201
Order No.	9660003	9661006	9661012
Working temperature range (°C)	-20...+40	-20...+40	-20...+40
Temperature stability (°C)	±0.5	±0.5	±0.5
Cooling capacity (kW)	0.3	0.6	1.2
Pump capacity flow pressure (l/min)	15	23	23
Pump capacity pressure (bar)	0.35	1.0	1.0

Tubing and clamps

Description	Order No.
Vacuum tube, Viton, OD=14mm, ID=8mm	168001-01
Vacuum tube, PTFE, OD=12mm, ID=10mm	016.1712.01
Cooling water tube	8930008
2 Tube clamps, size 1, tubing 8 mm inner dia.	8970480
2 Tube clamps, size 2, tubing 10~12 mm inner dia.	8970481

Glassware sets

Included condenser, evaporation flask and receiving flask in each glassware set, the ventilation and replenishment valve, clamp and adapter

GS1 / GS4

GS2 / GS5

GS3 / GS6

Model	Condenser	Evaporation flask	Receiving flask	Order No.
GS1	SQEF059799	SQFY015937	SQUA015796	SQED159113GS
GS2	SQEF059796	SQFY015937	SQUA015796	SQED159112GS
GS3	SQEF059794	SQFY015937	SQUA015796	SQED159111GS
GS4	SQEF059798	SQFY015937	SQUA015789	SQED159419GS
GS5	SQEF059797	SQFY015937	SQUA015789	SQED159418GS
GS6	SQEF059792	SQFY015937	SQUA015789	SQED159417GS
GS7	SQEF059793	SQFY015937	SQUA015789	SQED159420GS

GS7

Condensers

Made of high quality borosilicate glass or plastic coated saftey glassware

Type of condenser	Order No.	Order No.
	Standard	Coated
Diagonal condenser	SQEF059799	SQEF059798
Vertical condenser (steam sinks)	SQEF059796	SQEF059797
Vertical condenser (steam rises) ,1500cm2	SQEF059794	SQEF059792
Vertical condenser (steam rises), 2000cm2	SQEF059894	SQEF059892
Dry ice condenser		SQEF059793

Diagonal

Vertical (steam sinks)

Vertical (steam rises)

Dry ice

Evaporation flasks

The flask is made of high quality borosilicate glass

Volume	Order No.	Order No.
	NS 29/32	NS 24/40
50 ml	SQFY051171	SQFY051181
100 ml	SQFY015948	SQFY015958
250 ml	SQFY015949	SQFY015959
500 ml	SQFY015941	SQFY015951
1000 ml	SQFY015937	SQFY015947
2000 ml	SQFY015946	SQFY015956
3000 ml (for Strike 185 only)	SQFY015947	SQFY015957

Powder flasks

The flask is made of high quality borosilicate glass

Volume	Order No.	Order No.
	NS 29/32	NS 24/40
500 ml	SQFY146060	SQFY146070
1000 ml	SQFY146062	SQFY146072
2000 ml	SQFY146061	SQFY146071
3000 ml (for Strike 185 / 385 only)	SQFY146063	SQFY146073

Receiving flasks, *Spherical joint 35/20*

The flask is made of high quality borosilicate glass or plastic coated saftey glassware

Volume	Order No.	Order No.
	Standard	Coated
250 ml	SQUA015797	SQUA015788
500 ml	SQUA015798	SQUA015791
1000 ml	SQUA015796	SQUA015789
2000 ml	SQUA015792	SQUA015790
Accessories		
Spherical joint clamp, 35/20, stainless steel		FLMM016694

Spider

Made of high quality borosilicate glass

Inner joint	Outer joint	Order No.
NS 29/32	3xNS 24/29	SQUA162436
NS 29/32	4xNS 24/29	SQUA162437
NS 29/32	3xNS 29/32	SQUA162434
NS 29/32	4xNS 29/32	SQUA162435
Accessories		
Joint clip, PTFE, 24/29		JRS-7596-24
Joint clip, PTFE, 29/32		JRS-7596-29

Foam brake

The rising foam produces bursts in the glass ball extension. This stops foam from entering the receiving flask. Made of high quality borosilicate glass, the maximum recommended load is 1.5 kg

Bubble volume	Top Outer	Bottom Inner	Order No.
50 ml	NS 29/32	NS 29/32	SQFW126450
100 ml	NS 29/32	NS 29/32	SQFW126451
100 ml	NS 29/32	NS 24/29	SQFW126452
250 ml	NS 29/32	NS 29/32	SQFW126453
250 ml	NS 29/32	NS 24/29	SQFW126454