

Centrifuges

SW9



**4x250 ml
Ventilated
Refrigerated**



Security, Efficiency, Safety

Firlabo have a long history of designing and manufacturing centrifuges.

This ability allows them to maintain a wide range of models which meet the needs of many customers.

SW9 centrifuges can spin tubes from 0.2 to 250 ml which makes them suitable for clinical, biological and research applications as well as for industrial uses.



SW9 centrifuges will accept most of the commonly available tubes and microplates. The range has been designed to be easy to operate and programme and to simplify servicing and functional testing.

As an overview, the range includes ventilated, refrigerated and thermostatically controlled models.

They can bench mounted, or mounted on trolley with castors.

The versatile controlsystem gives the operator many options and provides access to useful technical data held in the memory.

The brushless, induction motor greatly reduces servicing intervals.

SW9 centrifuges can repeat specific programmes to ensure reproducible results.



SECURITY : Sealed carriers as standard, lid locks, imbalance detection, powerful induction motor.

EFFICIENCY : Parameters are display alphanumerically, a buzzer sounds at the end of each cycle, speed displayed in g or rpm, 9 code-protected programmable cycles and one fast cycle, controlled acceleration and deceleration rates to protect your cells, the lid has assisted closing and a safety lock.

SAFETY : For optimum safety whilst in use, the **SW9** range is extremely robustly constructed and is designed for reliability.

Polyvalence of design and use



SW9 R and SW9RH

The internal cooling system operates quietly to maintain +4°C at 4500 rpm when long cycles are used. To protect environment, only **CFC** and **HCFC** – free refrigerant gases are used.

SW9 and SW9H

The non-refrigerated models are quiet and easy to use. The H (high) models are mounted on a trolley with castors. They are easy to move and save laboratory space.



SW9



SW9 R



SW9 H and RH

Spécification

Maximum speed with carriers (rpm)	4500			
Maximum speed with angular rotor (rpm)	7700			
Maximum acceleration with carriers (g)	4200			
Maximum acceleration with angular rotor (g)	9200			
Maximum capacity with carriers (ml)	4 x 250			
Maximum capacity with angular rotor (ml)	8 x 100			
Type of motor	Induction motor without brushes			
Microprocessor controller	as standard			
Acceleration	9 programmable ramps			
Braking	9 programmable ramps			
Program storage	10 programs in memory			
Radius	Standard			
Integrated maintenance	Standard			
Sealed carriers	Standard			
	SW9	SW9H	SW9R	SW9RH
Gross weight (kg)	70	86	97	105
Net weight (kg)	60	75	83	93
Dimensions HxWxD (mm)	415x476x600	995x476x600	415x690x600	995x476x600
Input power maximum (W)	900	900	1500	1500
Temperature range	-		From - 10°C up to + 40°C	
Temperature performance at 4500 rpm	-		+ 4°C	



Ease of use

The **SW9** has an assisted closing system which makes opening and closing the lid very easy. Just lower the cover and the centrifuge will close and lock by itself. At the end of the cycle, press "open" and the cover will open automatically.

Equipment

Type	Reference	Capacity	∅ (mm)	Tube height	Maxi radius (mm)	Maxi speed (rpm)	Maxi acceleration (g.)
4 places swing out	FA3CENSW900001	4x250 ml			160	4500	4200
4 sealed carriers set	FA3CENSW900005	4x250 ml	65		160	4500	4200
4 adapters	FA3CENSW900008	4x20 tubes of 0,8 ml - conical bottom	8.5	40	157	4500	3560
4 adapters	FA3CENSW900009	4x14 tubes of 1,5 ml - conical bottom	11.6	40	158	4500	3580
4 adapters	FA3CENSW900010	4x14 tubes of 4,5 ml - conical bottom	11.6	58	160	4500	3580
4 adapters	FA3CENSW900011	4x14 tubes of 5 ml - round bottom	13.5	58	158	4500	3580
4 adapters	FA3CENSW900012	4x12 tubes of 5 ml hemogard	14	58	158	4500	3580
4 adapters	FA3CENSW900014	4x14 tubes of 7 ml Vacutainer	14	58	158	4500	3580
4 adapters	FA3CENSW900015	4x7 tubes of 10 ml Vacutainer	16.5	105	161	4500	3640
4 adapters	FA3CENSW900016	4x7 tubes of 15 ml Vacutainer	18	130	168	4500	3800
4 adapters	FA3CENSW900017	4x7 tubes of 15 ml - conical bottom	17.5	125	168	4500	3800
4 adapters	FA3CENSW900018	4x7 tubes of 15 ml starsted	17	110	168	4500	3800
4 adapters	FA3CENSW900019	4x5 tubes of 20 ml - round bottom	22.2	105	158	4500	3580
4 adapters	FA3CENSW900020	4x2 tubes of 50 ml - conical bottom	30	120	158	4500	3580
4 adapters	FA3CENSW900021	4x1 tubes of 50 ml - flat bottom	33	115	161	4500	3640
4 adapters	FA3CENSW900022	4x1 tubes of 100 ml - round bottom	44	115	168	4500	3800
4 adapters	FA3CENSW900023	4x1 tubes of 250 ml - flat bottom	61	135	170	4500	3850
2 microtiter plates carriers	FA3CENSW900006	2x2 standard plates of 96 wells			142	3000	2450
Angular rotor	FA3CENSW900002	8x100 ml tubes	44	115	140	7500	8820
Angular rotor	FA3CENSW900003	10x50 ml tubes	35	115	145	7700	9120
Angular rotor	FA3CENSW900004	20x15 ml tubes	18.6	115	145	7500	9020

Adapters for special tubes please ask us



CFC FREE - HCFC FREE
REFRIGERANTS
 NON FLAMMABLE

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