

Centrifuges

SW 12



**4x750 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.

SW12 centrifuges can spin tubes from 0.2 to 750 ml which makes them suitable for clinical, biological and research applications as well as for industrial uses.



SW12 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.

SW12 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 **SW12** range is extremely robustly constructed and is designed for reliability.

Polyvalence of design and use



SW12R and SW12RH

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.

SW12 and SW12H

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.



SW12



SW12 R



SW12 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 750			
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			
	SW12	SW12H	SW12R	SW12RH
Gross weight (kg)	78	97	119	131
Net weight (kg)	68	85	105	119
Dimensions HxWxD (mm)	425x520x635	995x520x635	425x750x635	995x520x635
Input power maximum (W)	900	900	1700	1700
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	FA3CENSW120001	4x750 ml			180	4500	3850
4 sealed carriers set	FA3CENSW120005	4x750 ml	97		180	4500	3870
4 adapters	FA3CENSW120009	4x44 tubes of 0,8 ml - conical bottom	8.5	40	170	4500	3960
4 adapters	FA3CENSW120010	4x30 tubes of 1,5 ml - conical bottom	11.6	40	171	4500	3870
4 adapters	FA3CENSW120011	4x30 tubes of 4,5 ml - conical bottom	11.6	58	175	4500	3870
4 adapters	FA3CENSW120012	4x30 tubes of 5 ml - haemolyse	13.5	58	171	4500	3870
4 adapters	FA3CENSW120014	4x30 tubes of 7 ml Hemogard or classical	14	108	171	4500	4140
4 adapters	FA3CENSW120016	4x19 tubes of 10 ml Vacutainer	16.5	105	174	4500	3960
4 adapters	FA3CENSW120025	4x7 tubes of 15 ml Vacutainer	18	130	175	4500	3870
4 adapters	FA3CENSW120017	4x9 tubes of 15 ml - conical bottom	17.5	125	183	4500	4140
4 adapters	FA3CENSW120026	4x15 tubes of 15 ml starsted	17	130	175	4500	3870
4 adapters	FA3CENSW120018	4x12 tubes of 20 ml - round bottom	22.2	105	183	4500	4140
4 adapters	FA3CENSW120019	4x4 tubes of 50 ml - conical bottom	30	120	171	4500	3940
4 adapters	FA3CENSW120020	4x4 tubes of 50 ml - flat bottom	33	115	183	4500	4100
4 adapters	FA3CENSW120021	4x2 tubes of 100 ml - flat bottom	44	115	174	4500	4140
4 adapters	FA3CENSW120023	4x1 tubes of 225 ml - conical bottom	65	135	181	4500	4030
4 adapters	FA3CENSW120022	4x1 tubes of 250 ml	65	135	183	4500	4030
4 adapters	FA3CENSW120024	4x1 tubes of 450 ml	82	125	178	4500	4030
4 microtiter plates carriers set	FA3CENSW120006	4x2 standard plates of 96 wells			156	3000	
Angular rotor	FA3CENSW120002	8 holes	44	115	140	7500	8820
Angular rotor	FA3CENSW120003	10 holes	35	115	145	7700	9120
Angular rotor	FA3CENSW120004	20 holes	18.6	115	145	7500	902

Adapters for special tubes please ask us



CFC FREE - HCFC FREE
REFRIGERANTS
 NON FLAMMABLE

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