

Rack-Shaker (SBM, SEM, SS-X)

A space saving shaker system designed for conditioning chambers, laboratories and corridors. This rack system can be adapted to fit any room. Size and configuration can be changed at any time.

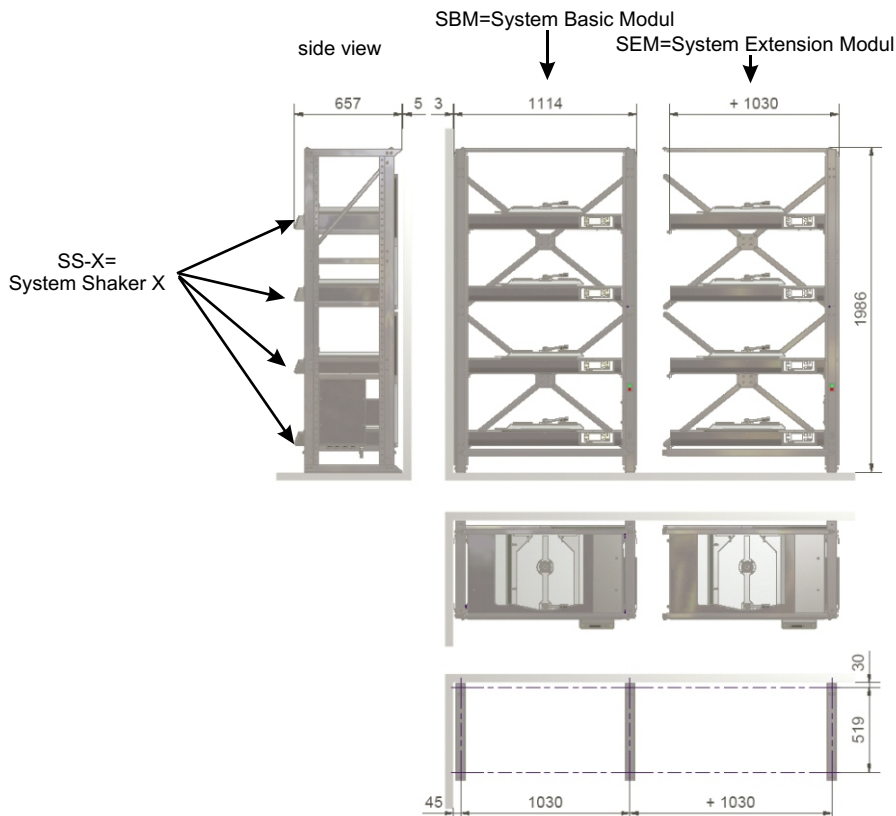
Each unit operates completely independent with it's own control system. Rack (SBM) and shaking units (SS-X) are made of stainless steel. The extremely low energy consumption (heat development) of the shaker units also reduces the energy cost of the conditioning chamber due to less requirement of cooling energy.

Performance Features

- + large capacity on small floor space
- + suitable for humidified rooms
- + system can be extended in any way
- + casing made out of stainless steel
- + rack made of stainless steel
- + maintenance free operation
- + extremely low energy consumption
- + precise shaking frequency control
- + at least three shaking diameters adjustable
- + easy handling due to separate displays and controls



subject to change



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Rack-Shaker (SBM, SEM, SS-X)

Technical data SBM, SEM, SS-X

(WxDxH) SBM	1114 x 657 x 1986mm, see dimensions
(WxDxH) SEM	1030 x 657 x 1986mm, see dimensions
Weight SBM	54kg
Weight SS-X	60kg
Operating menu in	English, French, German, Spanish, Italian
Interface, standard	CAN-Bus
Interface, optional	USB, Ethernet, digital, analogue
Ambient temperature	0 C up to 60 C
Consumption, maximum	240W (4 machines, max. Acceleration)
Consumption, maximum	480W (4 machines with high torque drive)
Consumption, typical	50W (4 machines)

Shaking unit SS-X

Tray, size	F (800x420mm)
Loading, maximum	25kg
Setting, digital	1 rpm
Accuracy, absolute	0.1 rpm
Timer	1s ... 999h
Acceleration	controlled
Active brake	adjustable
Stop on position	adjustable

Shaking motion Speed

* orbital,	12.5mm	20...500 rpm
* orbital,	25.0mm	20...400 rpm
* orbital,	50.0mm	20...300 rpm
* can be changed		

Mains connection

SMX1021:	220 - 240 V / 50-60 Hz
SMX1022:	190 - 210 V / 50-60 Hz
SMX1023:	110 - 120 V / 50-60 Hz
SMX1024:	95 - 105 V / 50-60 Hz

tray size	shake flask size														
	25 mL	50 mL	100 mL	150 mL	200 mL	250 mL	300 mL	500 mL	1000 mL	1500 mL	2000 mL	3000 mL	4000 mL	5000 mL	6000 mL
E 420x420	81	50	39	30	20	18	15	12	9	5	5	4	2	2	1
EX 500x420	90	62	42	36	27	22	21	14	9	8	6	4	3	2	2
F 800x420	153	100	74	60	40	40	30	26	16	12	9	8	5	4	3
EU 420x420	78	39	24	25	20	20	17	12	8	5	4	4	2	2	1
EXU 500x420	80	45	34	25	23	22	21	15	9	6	5	4	3	2	2
FU 800x420	109	89	50	50	38	38	34	26	15	12	9	7	5	4	4

The number of clamps on universal trays (CU/FU/EXU/EU) is a minimum value. Depending on the producer or country of manufacturing of glass / plastic flasks a higher number of clamps can be mounted on our universal trays.

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