

Patient Realistic Inhaler Testing

Breathing Profile Generator F-sig 6300

The F-SIG 6300 by AB FIA is a breathing profile generator that is capable of replaying complex breathing patterns. Thanks to a novel multi-cylinder design, F-SIG 6300 enables generation of a number of clinical relevant patterns. F-SIG 6300 is not intended for clinical use on humans. The areas of operation are for instance: testing of pharmaceutical inhalers and nebulizers with human breathing patterns, characterization of cigarettes (smokers profiles), rodent profiles and general respiratory research that includes very controlled breathing patterns.

The generator is easily movable and comes with a handheld touch-panel.



The user interfaces are simple and intuitive.



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A typical application is the NGI with an anatomical throat and mixing inlet.

User Friendly and Versatile

The F-SIG 6300 is operator-friendly and comes with a touch panel. Profiles, possibly recorded by FIA's Metivent software, are handled and modified in a spreadsheet (e.g. Excel) and the profile library is downloaded to the F-SIG 6300. The operator can thereafter, from the library of profiles, select desired profile on the panel and start the replay of the profile.

Breathing Patterns

- Forceful inhalation/exhalation profiles through e.g. dry powder inhales.
- Replaying breathing patterns used in the characterization of Nebulizers as stated in e.g. USP <1601> and Ph. Eur. 2.9.44.
- Breathing patterns that comprise small air flows such as smokers' profiles or rodent nose breathing.



The equipment comes with a number of recorded profiles which are run as part of the installation qualification.

	A	B	C	D	E	F
1	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6
2	2014-01-01	2014-01-02	2014-01-03	2014-01-04	2014-01-05	2014-01-06
3	AB 1	AB 2	AB 3	AB 4	AB 5	AB 6
4						
5		10	-8			
6						
7						
8						
9						
10						
11	0,00	0,00	0,00	0,00	0,00	0,
12	0,37	0,25	0,15	0,48	0,11	0,
13	0,74	0,65	0,31	0,96	0,23	0,
14	1,11	0,82	0,74	1,82	0,28	1,
15	1,48	1,30	0,98	2,98	0,36	1,

The Equipment:

F-SIG 6300 consists of a breathing profile generator built into a box with transparent plastic covers and placed on wheels. The control system of the multi-cylinder package is configured and operated by the user through the touch panel.

Capacity large volume: 0 – 6.3 liters

Capacity small volume: 0 – 0.1 liters

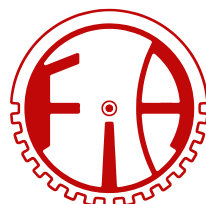
Voltage: 95 - 255VAC, 50 - 60Hz, 6.5A

Dimensions HxWxD: 380x1036x480 mm, Touch Panel: 80x280x170 mm

**For contact and
more information**

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