

# 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 clinically 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.





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

## User-Friendly and Versatile

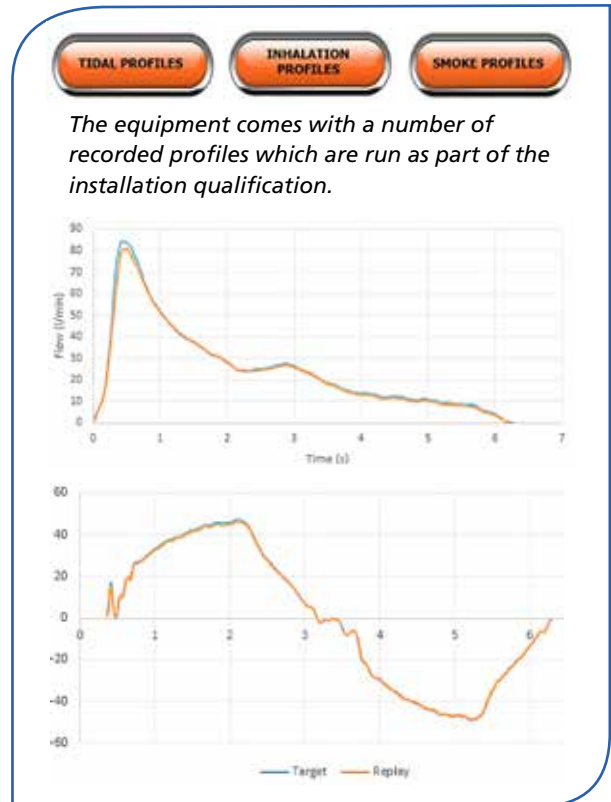
The F-SIG 6300 is operator-friendly and comes with a touch panel. Profiles, possibly recorded by FIA's Metivent software, are handled and modified in a spreadsheet (e.g. Excel) and the profile library is downloaded to the F-SIG 6300. The operator can thereafter, from the library of profiles, select desired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

**Trade Item Number:** F-SIG 6300

**Trade Item Number:** Training and IQ F-SIG 6300

## Equipment and Service

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. AB FIA can perform IQ, OQ and training. Also PQ and equivalence testing with anatomical throats if the customer has relevant target profiles. Extensive training can be offered at the customer's location.



## Breathing Patterns

- Forceful inhalation/exhalation profiles through e.g. dry powder inhalers.
- 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.

Capacity large volume	0 – 6.3 liters
Capacity small volume	0 – 0.1 liters
Voltage	95 - 255VAC, 50 - 60Hz, 6.5A
Dimensions HxWxD	80x1036x480 mm
Dimensions Touch Panel	80x280x170 mm



**AB FIA** Vinkelhaken 1 D  
SE-247 32 Södra Sandby, Sweden  
+46 46 13 90 00  
i@fia.se • [www.fia.se](http://www.fia.se)

AB FIA Member of  
**MVIC**  
MEDICIN VALLEY  
INHALATION CONSORTIUM  
[www.mvic.se](http://www.mvic.se)