



- R&D QA GN
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APPROVAL				
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Flight 60 Turbine SW Version Release

Version 5.38

This document is the release note for SW version release #5.38 for Flight-60 Turbine ventilator.

1 CHANGES TO RELEASE

1.1 SW changes:

1.1.1 Bug fixing

1.1.1.1 HFOT High Pressure alarm

High-pressure alarm limit was fixed to 60 cmH₂O (only in HFOT mode) instead of 99 cmH₂O, in accordance with ISO 80601-2-90.

1.1.2 New Features

1.1.2.1 Home care layout

Home care layout provides reduced displayed parameters for the convenience of the home user.

Monitored parameters: Rate; Volume; Pressure; FiO₂; MV_i; O₂ Usage.

Alarms settings: High P, Low P, Low MV;

Controls: Rate, PC/VT

1.1.2.2 O₂ Consumption

- Actual O₂ consumption is now displayed during ventilation with oxygen (only for ventilators with internal oxygen mixer). The value is an average over 1 min. and is updated every breath.
- Total O₂ consumption is displayed in the extended screen. The user can reset the value.

1.1.2.3 O₂ setting

When pressing the +/- button continuously the O₂ value reaches the next/previous 5 multiplier and then goes up/down in a resolution of 5.

2 OPERATING SYSTEM SUPPORTED

Flight 60T – Turbine all versions

3 SYSTEM REQUIREMENTS

NA

4 NEW OR DROPPED FEATURES

No dropped features

5 KNOWN ISSUES AND LIMITATIONS

The following known issues and limitations exist for SW Release 5.38:

- Only minor problems: "Apnea Backup parameters" are not translated into other languages
- Some of the translations are out of the frame (in Polish and Russian)
- "Low Rate" alarm may appear during "Circuit test" if the limit is high (≥ 20)

6 FILES ISSUED


fm02784.pkg

7 DEPLOYED INSTRUCTIONS

7.1 Software Upgrade required equipment:

USB storage device with the SW version (**fm02784.pkg**)

7.2 Installing the SW upgrade

- Verify the batteries charge percentages are above 50%.
- Turn off the ventilator, disconnect from AC.
- Copy the new SW version (**fm02784.pkg**) to a USB storage device.
- Plug the USB storage device to the vent USB port.
- Connect the ventilator to AC.
- The ventilator powers up and a software update screen opens, displaying the current version and the new version to update.
- Press OK on the touch screen.
- Once upgrade is done, the ventilator displays " Finished updating, please remove DOK"
- Remove the USB storage device and press **OK** on the touch screen.
- Turn on the ventilator, press **Technical** /  and press **Show Info**.
- Verify the new software version is displaying.

8 RELATED DOCUMENTATION

- Operating Manual - LIT-0089 B14
- Service Manual - LIT-0113 A11