

## MCC/22/010/IU: Disabled valves - SW 4.8

### Products affected:

Product	Article number
Flow-i	6677200, 6677300, 6677400, 6888520, 6888530, 6888540
Flow-c	6887700
Flow-e	6887900

Flow anesthesia systems listed above with SW version 04.08.00, 04.08.01, 04.08.02 or 04.08.03 installed are affected by this field action.

(Please note that Flow anesthesia systems with a SW below 04.08.00 are not affected by this issue and thus don't need to be upgraded to 04.08.04 or higher. However, we always recommend that the latest released SW is used.)

### Description of the issue

The alarm "High Continuous pressure" is triggered when the pressure in the system is too high (constantly above set PEEP level +15 cmH<sub>2</sub>O for more than 15 seconds). This alarm is active in automatic mode and cannot be altered by the user. It is de-activated when the pressure in the system decreases below set trigger point.

The system will respond to "High Continuous pressure" alarm by activating a function called "disabled valves". When "disabled valves" function is activated, the safety valve opens and gas delivery is stopped to relieve the pressure in the patient circuit.

After the pressure is below the trigger point the safety valve is closed and gas delivery is resumed.

must not be used unless their validity has been verified.

In certain cases it has been reported that when the “High Continuous pressure” alarm has been triggered AND at the same time the user switches to manual mode with the alarm still active, the safety valve stay open even after the “High Continuous pressure” is below the trigger point. The pressure cannot be built up, resulting in no ventilation. Investigation has shown that same situation will occur if user ends the case/goes to standby with the “High Continuous pressure” alarm active.

The system needs to be turned off to reset the disabled valves function (which also can be done by activating the Emergency ventilation).

The underlying issue causing the “High Continuous pressure” alarm will not be solved by only restarting the system.

### Potential hazards

---

No gas delivery is possible when valves are disabled.

### Precautions

---

If gas delivery is stopped during the circumstances described above the machine needs to be restarted or Emergency ventilation activated.

### Corrective action

---

Getinge authorized service personnel will visit your site to install SW 04.08.04 or higher.

Action to be taken by user:

- We urge to maintain awareness on this notice and related actions until further communication from Getinge.
- Please complete & return the attached acknowledgement form.

must not be used unless their validity has been verified.

Please note that Flow anesthesia systems with a SW below 04.08.00 are not affected by this issue and thus don't need to be upgraded to 04.08.04 or higher. However, we always recommend that the latest released SW is used.

## Distribution

---

The respective competent health authorities have been informed about this communication and issue.

This Getinge Field Safety Notice distribution must include those individuals that need notification within your organization - or any organization where the potentially affected devices have been transferred. Please keep notice of this and subsequent communications to ensure that the appropriate corrective actions are taken while using the device. It is understood that failure to respond to this Field Safety Notice or to proceed with the corrective action requests described above may dispense Getinge from any liability connected with or arising out of this Field Safety Notice. The submission of this notice shall not be construed as an admission of liability for the issue described herein and its consequences.

We apologize for any inconvenience that this may have caused and will do our utmost effort to provide a reasonable solution as swiftly as possible.

Should you have questions or require additional information, please contact your local Getinge representative.

Sincerely,

[Redacted signature block]

[Redacted signature block]

must not be used unless their validity has been verified.