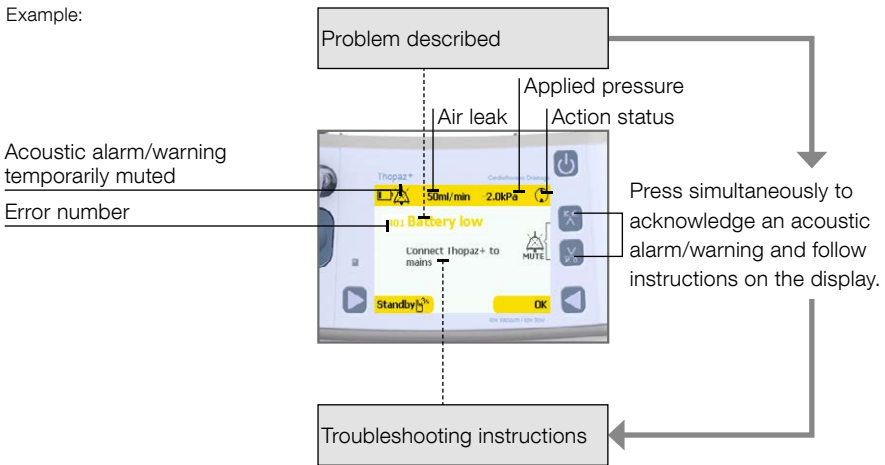


12 Troubleshooting and alarms

Description


Thopaz+ distinguishes between warnings (yellow), alarms (red) and internal errors (red). If Thopaz+ detects any of these situations, an acoustic signal sounds and a description of the problem appears on the display. By pressing the two selection buttons simultaneously, the acoustic alarms are suppressed for 60seconds. Exceptions: For the warning 306 "canister full" and the alarms 302 "tubing clogged", 313 " filter clogged" and 315 "Thopaz+ overheated" the acoustic alarms are suppressed for 5 minutes.


Example:




Visible on display					
Error number	Problem description	Troubleshooting instructions	Remarks/Potential source of error	Pressure	
Warning	306	Canister full	1. Clamp tubing 2. Switch to Standby 3. Replace canister 4. Continue with «On» 5. Unclamp tubing		Yes
	401	Battery low	Connect Thopaz+ to mains	Remaining time of battery approx. 30min.	Yes
	402	USB connection not permitted	Unplug USB cable	USB connection not permitted during operation or in the vicinity of the patient.	Yes
	405	Standby	Switch Thopaz+ on or off	In Standby for 5minutes.	No
	406	Temperature too high	Prepare backup device	Do not expose Thopaz+ to heat sources.	Yes
	409	Fluid level sensor out of order	– Fluid measurement unavailable – Confirm and continue therapy		Yes
	410	Canister detection	1. Clamp tubing 2. Switch to Standby 3. Replace canister 4. Continue with "On" 5. Unclamp tubing		Yes
Alarm	301	Leak in system	Check system for leaks	– Disconnection. – Missing seal at vacuum port.	No
	302	Tubing clogged	1. Clamp catheter 2. Clamp tubing 3. Switch to Standby 4. Replace tubing 5. Continue with «On» 6. Unclamp catheter	– Tubing is kinked or clogged for approx. 10min. – Thopaz+ detects clotting of Thopaz+ tubing, NOT of the patient catheter.	No
	305	Battery empty	Connect Thopaz+ to mains		No
	311	Selftest failed	Snap the canister out and in again	Do not switch Thopaz+ on if the patient is already connected.	No
	313	Filter clogged	1. Clamp tubing 2. Replace canister 3. Continue with «On» 4. Unclamp tubing	Filter in canister clogged.	No
	315	Thopaz+ overheated	Replace Thopaz+		No
	407	Fluid alarm	Patient is losing a large amount of fluid		Yes

Visible on display				
Error number	Problem description	Troubleshooting instructions	Remarks/Potential source of error	Pressure
Internal error	Internal error XXX	1. Switch Thopaz+ off and on again 2. Inform Medela Customer Service	If error message repeats, inform Medela Customer Service.	

 **Safety related tip**
The acoustic alarm «Leak in system – 301» is deactivated for approximately 6 minutes after Thopaz+ is switched on.

 **Safety related tip**
Warning "canister full" / Alarm "filter clogged".

The warning «canister full» is triggered when the canister filling level approximately reaches the maximal scale line indicated on the respective canister label. Change the canister according to the instructions of use, chapter 8 – Replace canister. If secretions line the walls of the canister, the warning «canister full» may be activated prematurely. After muting the warning with the selection buttons, a symbol [] appears during operation. After 5 minutes the warning reappears acoustically. An overfilling of the respective canister volume will trigger the alarm "filter clogged". The alarm is triggered due to the clogging of the hydrophilic filter upon contact with liquids or secretions. Please refer to chapter "4 - Overview" for location of the hydrophilic, overflow protection/bacteria filter in the canisters. Subsequent to a clogged filter and the alarm "filter clogged" the vacuum applied to the patient is interrupted and cannot be regulated or maintained. An additional accumulation of liquids, secretions and air is released through the pressure relieve valve at the positive pressure of 0.2 - 0.5 kPa. This pressure release function is not a substitute for a free overflow function. Therefore the canister must be replaced once full. Please refer to chapter "4 - Overview" for location of the pressure relieve valve.

Change the canister according to the instructions for use, chapter "8 – Replace canister".