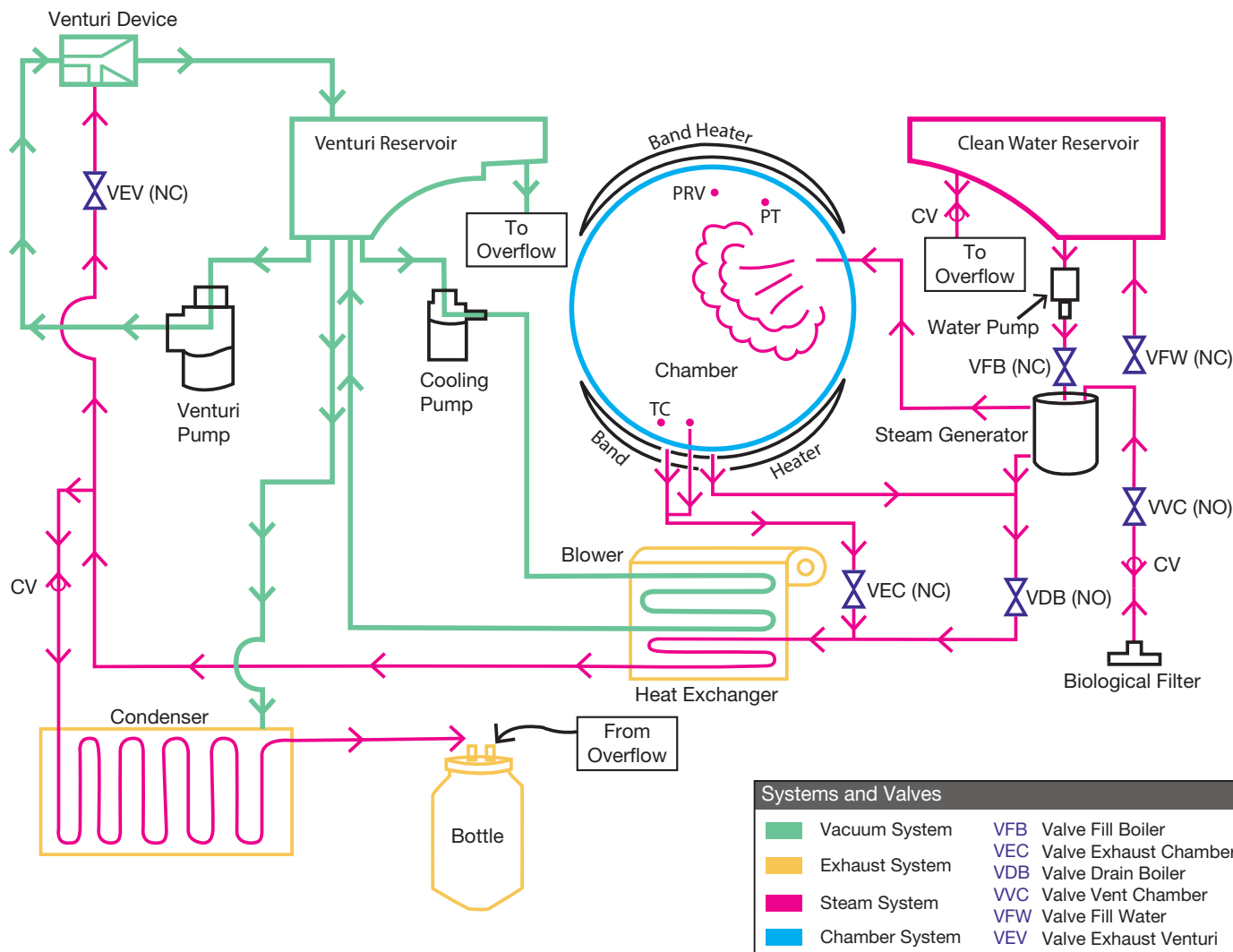


SciCan STATCLAVE G4 Error Code Quick Reference Guide



Error Codes

CF#	Description	Possible causes
4	Chamber failed to sterilize	Chamber door seal leak, boiler heater element, water pump, VEC, VVC.
10	Chamber temp. did not drop in time	Check water pump Venturi, VEC, VDB. Check for kinked hoses. Check chamber filters.
12	Faulty chamber thermocouple	Check chamber thermocouple.
13	Faulty boiler thermocouple	Check boiler thermocouple.
15	Chamber temperature too high for this phase	Blocked exhaust or valve. Miscalibration.
16	Boiler too hot	Boiler heater element stuck ON. Controller board failure. Water pump.
17	Pressure failed to rise 5kPa during the initial phase of the vacuum draw with steam	Possible leaks due to tubing connections, stuck valves and/or door seal. Boiler heater element bad or disconnected. Bad pressure sensor.
23	Top band heater failed	Bad or disconnected top band heater. IO board failure.
24	Bottom band heater failed	Bad or disconnected bottom band heater. IO board failure.
25	Steam generator failed	Boiler heater element bad or disconnected. Controller board failure.
28	Chamber pressure above threshold	Pressure measurement failure. Check pressure transducer. Miscalibration. Blocked exhaust or valve.
30	Actual chamber temperature and calculated chamber temperature don't match	Air leak. Blocked exhaust or valve. Miscalibration. VEC.
42	Manual clean water filling failure	Water filling valve bad or disconnected. Blocked tubing. Clean water level switch stuck OFF.
43	Automatic clean water filling failure	Water filling valve bad or disconnected. Blocked tubing. External water filling pump bad or disconnected. IO board failure. 24V power supply failure. Clean water level switch stuck OFF.

Error Codes (Continued)

CF#	Description	Possible causes
44	Venturi reservoir overflow	Water reservoir exhaust blocked. Overflow switch malfunction (stuck ON).
45	Water pump timeout	Clean water reservoir level is too low. Controller board failure. Water pump failure.
50	Chamber temperature BELOW target value for 121°C cycle	Pressure and/or temperature sensor miscalibration. Poor air removal during conditioning (exhaust blockage). Not able to generate steam or a leak in the system.
51	Chamber temperature ABOVE target value for 121°C cycle	Pressure and/or temperature sensor miscalibration. Unable to depressurize chamber (blocked exhaust, failed solenoid valve).
52	Measured pressure LESS than calculated pressure for 121°C cycle	Pressure and/or temperature sensor miscalibration.
53	Measured pressure MORE than calculated pressure for 121°C cycle	Pressure and/or temperature sensor miscalibration. Unable to depressurize chamber (blocked exhaust, failed valve). Poor air removal (partial exhaust blockage).
54	Measured pressure LESS than calculated pressure at sterilization temp. for 121°C cycle	Pressure and/or temperature sensor miscalibration. Unable to generate steam, or there is a leak in the system.
55	Measured pressure MORE than calculated pressure at sterilization temp. for 121°C cycle	Pressure sensor miscalibration. Unable to depressurize chamber (blocked exhaust or failed valve).
60	Chamber temperature BELOW target value for 132°C or 134°C cycles	Pressure and/or temperature sensor miscalibration. Poor air removal during conditioning (exhaust blockage). Not able to generate steam or a leak in the system.
61	Chamber temperature ABOVE target value for 132°C or 134°C cycles	Pressure and/or temperature sensor miscalibration. Unable to depressurize chamber (blocked exhaust, failed solenoid valve).
62	Measured pressure LESS than calculated pressure for 132°C or 134°C cycles	Pressure and/or temperature sensor miscalibration.
63	Measured pressure MORE than calculated pressure for 132°C or 134°C cycles	Pressure and/or temperature sensor miscalibration. Unable to depressurize chamber (blocked exhaust, failed valve). Poor air removal (partial exhaust blockage).
64	Measured pressure LESS than calculated pressure at sterilization temp. for 132°C and 134°C cycles	Pressure and/or temperature sensor miscalibration. Unable to generate steam, or there is a leak in the system.
65	Measured pressure MORE than calculated at sterilization temp. for 132°C and 134°C cycles	Pressure sensor miscalibration. Unable to depressurize chamber (blocked exhaust or failed valve).
70	Timer error: The time maintained by the internal timer of the processor didn't match the time maintained by the external real-time clock	Damaged controller board. Steam leak.
73	Vacuum draw timeout: Failed to reach vacuum target	Possible air leaks due to tubing and/or stuck valves, VEC, VDB, water pump Venturi.
74	Vacuum hold: Failed to maintain vacuum and pressure increases above 85kPa	Possible air leaks due to tubing and/or stuck valves, VEC, water pump Venturi.
75	Vacuum relief phase I: Failed to relieve the vacuum and reach atmospheric pressure less 5kPa	Exhaust blockage, VVC, VEC, VDB, water pump Venturi.
76	Vacuum relief phase II: Failed to relieve the vacuum and reach atmospheric pressure less 5kPa	Exhaust blockage, VVC, VEC, VDB, water pump Venturi.
77	Vacuum draw steam timeout: Failed to reach vacuum target	Possible air leaks due to tubing and/or stuck valves, VEC, water pump Venturi, water pump cooling.
79	Venturi reservoir water temperature too high	Heat exchanger fan, water pump cooling, VEV stuck ON.
80	Top band heater too hot	Top band heater element stuck ON. Controller board failure.
81	Bottom band heater too hot	Bottom band heater element stuck ON. Controller board failure.
82	Top band heater temperature sensor failure	Top band heater temperature sensor failure. Controller board failure.
83	Bottom band heater temperature sensor failure	Bottom band heater temperature sensor failure. Controller board failure.
84	Venturi reservoir temperature sensor failure	Venturi water reservoir temperature sensor failure. Controller board failure.
90	Chamber thermocouple calibration problem	Corrupted/not initialized chamber thermocouple calibration.
91	Pressure calibration problem	Corrupted/not initialized pressure calibration.
92	Controller board temperature too high	Air filter clogged, poor air ventilation.
93	Controller PCB fuse F1(2A) blown	Fuse F1 blown on controller board. Check water pump. Check heat exchanger fan.
95	LCD to controller board communication lost	Harness cable between the user interface board and controller board is damaged or disconnected.
98	ADC communication failed	Controller board damaged.

Manufactured by:
SciCan Ltd.
 1440 Don Mills Rd.,
 Toronto, ON, Canada, M3B 3P9
 Tel: 416-445-1600
 Toll free: 1-800-667-7733
 customerservice@scican.com

www.scican.com

STATCLAVE is a trademark of SciCan Ltd.

