



Tactrol Warning Lights and Fault Codes

Warning Lights

The Priorclave control panel has a series of 'hidden until active' warning indicators that appear in the black bar beneath the Temperature and Time displays on the control panel.

(Some of these indicators will appear in conjunction with a fault code.)

- SERVICE** 500 cycles, or six months have passed since the autoclave was last serviced. An Authorized Service Agent will cancel the message when the autoclave is serviced. This indicator does not signify a machine fault, nor does it affect the Autoclave function.
- WATER** Indicated along with a Low Water fault code F004
- O/HEAT** Indicates a vessel Over-heat fault along with fault code F003
- FAULT** Indicates a function fault the fault code will be shown in the Red Temperature Display
- LOCK** This warning will light when the thermal lock key-switch is in the override position.
- LOAD** Indicates a Load Sense Probe fault along with F001

Fault Codes are displayed in the **Red Temperature Display Window** on the control panel.



Fault Codes

Autoclaves are pressure equipment and as such are potentially extremely hazardous if not correctly serviced. Some fault codes may be cleared as described at the end of this list of codes. If the fault code will not clear, or continues to re-appear, please call Priorclave North America or your nearest Authorized Service Agent.

Code	Fault	Details
F000	Measuring system error	If your autoclave is fitted with the optional self-validation system, an error in the temperature measurement system is signaled by fault code F000. Usually this would mean that a critical error has developed in the temperature measurement system, however, as the detection system is extremely sensitive it is possible that it may be triggered by fluctuations in the electrical power supply.
F001	Load sense probe failure	This warning is activated in the event of the failure of the load sensing thermocouple. If the autoclave is fitted with load sensed process timing, this should be deselected to enable the autoclave to run without this feature. The thermocouple should be replaced as soon as possible. Great care should be taken to ensure that loads which would ordinarily be autoclaved with load sensed process timing are adequately sterilized.
F002	Thermocouple input failure	Failure of the temperature control, display, or load simulator thermocouple.
F003	Overheat on process dwell	If fitted, the heater over-temperature protection thermocouple may have sensed that the heating element became too hot. This is probably due to a low water condition, which was not sensed by the low water probe. The water level and the condition of the probe (see Maintenance) should be checked before attempting to use the autoclave again.
F004	Water level alarm	The water level has fallen below the minimum level and must be topped up before the autoclave can be run. The low water condition may have caused a running cycle to abort, and the load may need to be autoclaved again.
F005	Temperature fallen below set level during process dwell	The chamber temperature falling below the set temperature by more than 30C during the process dwell time.
F006	Power fail during process heat or dwell	Power to the autoclave being interrupted when a cycle is in the heating or dwell stage of the cycle.

Code	Fault	Details
F007	Vacuum pre-cycle pressure loop break	Vacuum stage timeout (loop break). The autoclave has not achieved the pre-set level of vacuum during the Pre-cycle vacuum stage during the pre-set time.
F008	Timeout during heating stage	The autoclave has not reached process temperature during the heating stage within the Pre-set time.
F009	Fail to reach post cycle vacuum set point during permitted time	Vacuum cooling set-point not achieved. The autoclave has not achieved a low enough level of vacuum during the post cycle vacuum stage (Vacuum Cooling or Drying Cycle).
F010	Excess air detected during sterilization phase of process	Air detector input activated. If fitted the air detector system has detected an over pressure condition symptomatic of excess air remaining in the load.
F011	Printer Timeout / Malfunction	The control system has not received confirmation from the printer within its pre-set timeout.
F012	Door Micro Fault	If a door microswitch opens during a cycle fault code F012 is displayed. This is cleared in the usual way by means of the setting lock keyswitch.
F016	Water Fill Timeout	The upper level water probe level has not been reached within the allowed time, and the filling operation has been stopped. This function prevents continuous unsupervised operation of the water fill, which could lead to flooding.
F018	Thermal Low Water Detection	On autoclaves where low water is detected by sensors attached to the heater(s) rather than internal sensors, this fault occurs if a sensor detects an excessive temperature, indicating a probable low water level.

CANCELING FAULT MESSAGES

The fault messages are cancelled by first correcting the source of the original fault, then turning the setting lock key switch to the enable position (position 3). If a key switch is not fitted they are cancelled by pressing the reset button.

If two or more faults occur at the same time, the one with the highest priority is displayed. (F000 is the highest priority and F010 is the lowest.) If a higher priority fault is cleared it will be replaced by the next active fault, unless this too is cleared by the same action.

On older models with a setting lock key switch you may need to turn the setting lock key switch to the enable position (position 3) for 1 second, and then to the disable position (position 3) for 1 second to reset the fault.