



# Error Codes

## 12L & 16L Constant Temperature

Error	Fault	Solution
E0	<b>Accidental flameout, the flame sensor could not detect the flame signal within 7s after the re-ignition process</b>	<p>Check the gas inlet pressure is operating at 2,8 kPa while the appliance is running</p> <p>Check the gas valve is supplying 2,8kPa to the burners while the appliance is running on maximum temperature</p> <p>Check whether the flame sensor is damaged or the connection wire is pulled off</p> <p>Change the diaphragm valve or controller</p>
E1	<b>No flame signal detected within 60s on the pilot flame</b> <b>No flame signal detected within 10s on the main burner</b>	<p>Check the gas inlet pressure is operating at 2,8 kPa Check whether the flame sensor is damaged or the connection wire is pulled off</p> <p>Check whether the pilot gas supply pipe is twisted and blocked or cracked creating a leak</p> <p>Check for bugs or spiders in the pilot burner tube</p> <p>Change the diaphragm valve or controller</p>
E2	<b>20 min shut off</b>	Normal operation, close and re-open the tap
E4	<b>Flame signal detected without any water flow</b>	<p>Check the gas inlet pressure is operating at 2,8 kPa Change the gas valve and perform a pressure test</p>
E5	<b>Faulty/damaged or unplugged output water temp sensor</b>	<p>Check whether the water temp. sensor is unplugged, damaged or burnt</p> <p>Change the sensor</p>
E6	<b>Short circuit of the outlet water temperature sensor</b> <b>Temperature of hot water has exceeded 85°C</b>	<p>Check the gas pressure does not exceed 2,8 kPa at the gas inlet</p> <p>Water pressure suddenly dropped, causing a temperature spike (check the flow rate is above 3L/ min with the bucket test)</p> <p>Change the radiator water temp. sensor for an 85°C sensor;</p> <p>Change the outlet temp sensor</p> <p>Change the diaphragm valve or controller</p>



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E7	<b>The gas flow is unstable, and has switched off 5 times continuously</b>	<p>It is normal if it is the first time operation or the appliance has been left unused for a long time; Change the batteries for new batteries;</p> <p>Check the gas inlet pressure is operating at 2,8 kPa while the appliance is running</p> <p>Change the diaphragm valve or controller</p>
E8	<b>Water flow capacity is less than 3L/min - open circuit of the over heat temperature sensor</b>	<p>Check the gas inlet pressure is operating at 2,8 kPa while the appliance is running</p> <p>Water pressure suddenly dropped, causing a temperature spike (check the flow rate is above 3L/min with the bucket test)</p> <p>Change the gas valve or controller</p>
EA	<b>Open circuit of input water temperature sensor</b>	<p>Check whether the wire of input water temp sensor is pulled off, burnt or damaged</p> <p>Change the input water temperature sensor</p>
EB	<b>One of the 2 CPUs of the controller is damaged</b>	<p>Change the loom to gas valve</p> <p>Change the loom to LCD</p> <p>Change the LCD screen</p> <p>Change the controller</p>
EE	<b>Controller malfunction</b>	Change the controller
LED FLASH	<b>The batteries are flat</b>	Change the batteries
PA BA 6A	<b>Low battery</b>	Change batteries