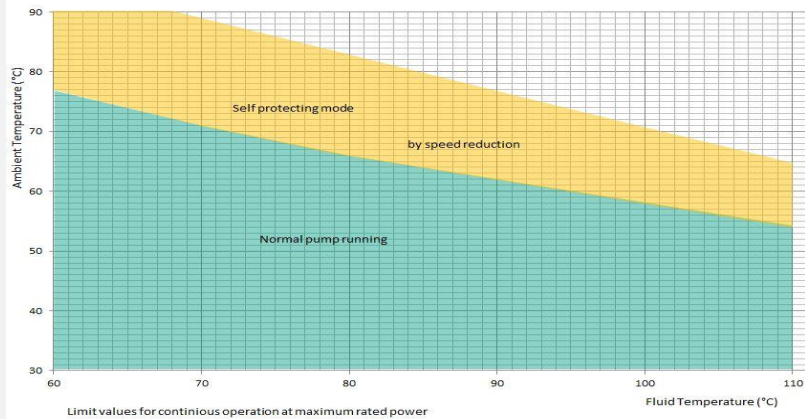
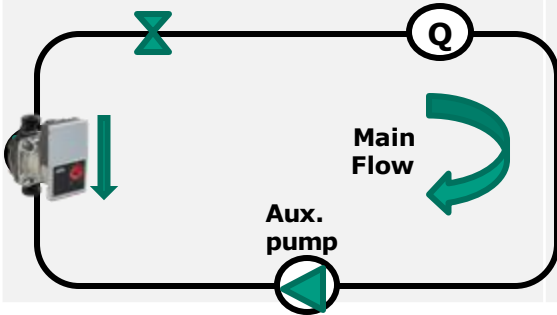


Yonos PARA – LED diagnosis and remedy 1/3

LED color	Meaning	Diagnostic	Potential cause	Remedy
 lights green Continuous green	Normal running	Pump runs as expected	<u>Normal operation</u>	
 blinks green Green blinking	Air venting mode  Stand by (PWM version)	Pump runs during 10 minutes to help on system venting Afterwards, Installer has to adjust the targeted performances through the red button if not pump runs at max. speed Circulator is in stand by mode (PWM version)		
 blinks red/green Red/green blinking	Abnormal running mode (pump stopped but still functional)	The pump has stopped due to external failure. The pump restarts itself after the disappearance of the external failure	1. <u>Under or Over voltage</u> : main supply voltage $U < 160V$ or $U > 280V$ 2. <u>Overload of motor</u> : friction due to particles and/or impeller blocked with debris 3. <u>Over speed</u> : the pump rotor is driven by an external flow above the maximum allowed value 4. <u>Over current</u> : the stator winding is in short circuit due to water	1. Check main voltage supply : $160V < U < 280V$ 2. Check installation water quality, clean system if debris 3. Ensure that there is no other external flow (other pump running) on system 4. Check for leakage application on application

Yonos PARA – LED diagnosis and remedy 2/3

LED color	Meaning	Diagnostic	Potential cause	Remedy
 blinks red/green Red/green blinking	Abnormal running mode (pump stopped but still functional)	The pump has stopped due to external failure. The pump will restart itself after the disappearance of the external failure	5. <u>Module over temperature:</u> Temperature inside the motor is too high  6. <u>Turbine Mode:</u> the pump is driven by external flow (>1200l/h) in opposite direction of its flow 	5. Check combination water and ambient temperature (see T° profile graph) 6. Ensure that the external flow is less than 1200l/h.

Yonos PARA – LED diagnosis and remedy 3/3

LED color	Meaning	Diagnostic	Potential cause	Remedy
 blinks red Red blinking	Pump stopped	The pump has stopped due to permanent failure.	1. Faulty electronic module and/or faulty motor	1-2. Make ON/OFF reset of the pump via main power supply. If the pumps still blinking red after a power reset ➔ Replace the pump
 No LED	No power supply	No voltage on electronics	1. Pump is not connected to main supply 2. Faulty LED 3. Faulty electronics	1. Check cables connection 2. Check is pump is running 3. Replace pump