



**Statement to be used on the Afecor Web Site
to explain table on designed lifetime of safety relevant controls (attached)**

The mission of the heating industry has always been to develop and supply products to the market with high safety and performance levels.

In the light of this, product standards have been developed and continuously improved by industry based on expertise and decades of experience. The standards are being used as design guidelines and for certification. To maintain the high level of safety and performance over the lifetime of products the heating industry has always provided support to installers and users of their products by means of maintenance requirements.

Appliances and controls are designed for a certain lifetime, subsequently referred to as 'designed lifetime'. The designed lifetime is expressed as a number of operating cycles or years. The number of years is being derived from the cycles assuming a typical use of the appliance. It cannot be assumed that the product can be safely used beyond the mentioned designed lifetime. The warranty as opposed to the designed lifetime is being described in the delivery terms.

As soon as the designed lifetime of a safety relevant control is reached, certain checks and maintenance procedures have to be performed as required by the manufacturer. These procedures may include replacement.

To decide on the need for checks and measures, the following table gives recommendations on designed lifetime figures in numbers of operating cycles or years for certain types of safety relevant controls. The figures have been compiled from the relevant standards applicable for that component. They are used as minimum requirements for the type-examination based on those standards.

The procedure for inspection/maintenance of a specific appliance/control is given in the instruction manual of the manufacturer. In case of any doubts, the manufacturer should be consulted.



Safety relevant Controls	Designed Lifetime		CEN-Standard
	Operating Cycles	Time [years]	
Valve proving system	250,000	10	EN 1643
Pressure switch gas	50.000	10	EN 1854
Pressure switch air	250.000	10	EN 1854
Low gas pressure switch	N/A	10	EN 1854
Automatic burner control with flame safe guard	250,000	10	EN 230 (oil) EN 298 (gas)
Flame detector (UV probes) ¹	N/A	10,000 operating hours	
Gas pressure regulators ¹	N/A	15	EN 88 EN 12078
Gas valve with valve proving system	after error detection		EN 1643
Gas valves without valve proving system ²	50,000 -500,000 .. ³	10	EN 126 EN 161
Oil burner connection hoses	N/A	5	ISO 6806
Oil valves	250,000	10	EN 264
Pressure relief valves	N/A	10	EN 88 EN 14382
Fuel / air ratio systems	N/A	10	EN 12067

¹ Performance decrease due to ageing

² For gases from the public gas supply, classes 1, 2 and 3

³ Depending on connection size