

2002/95/EC (RoHS) and 2002/96/EC (WEEE) standards

These European standards cover the ban and restrictions on the use of certain substances in electric and electronic equipment (RoHS) and restrictions on the flow of waste by means of recycling policies (WEEE).

Use of the following substances is banned or restricted:

- Lead
- Mercury
- Cadmium
- Hexavalent chrome
- Flame retardants (PBB polybromide biphenyls and PBDE polybromide diphenyl ethers).

An analysis of the chemical composition of Metal Work products has shown that the only substance present is lead, an element in brass and aluminium alloys. The standard establishes a limit to the presence of lead as an alloy element of 4% by weight in copper alloys and 0.4% in aluminium alloys.

Chemical analyses performed by the suppliers show that the percentage of lead in OT58 brass used by Metal Work is 3% and that in pressure die cast aluminium is 0.2%.

Aluminium alloys series 6060 and 6082 do not contain lead.

The alloy 2011 used by Metal Work has a 0.5% of lead, slightly over the limit. The following parts are made of this alloy:

- The heads of minicylinders, round cylinders and rodless cylinders
- The bodies of VME valves, series 70, Mach 16, Mach 18 and MultiMach

The plastic materials most used at Metal Work are stated by the suppliers as not containing PBB or PBDE.



Concesio, May 2005
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