

Change in metal parts

Red brass \Rightarrow lead-free brass (LFB)



Lead and nickel-free materials are playing an increasingly important role, particularly as an alternative for critical applications where strict compliance with health and environmental requirements is important.

Parallel to our well-proven red brass material, we have been successfully using lead-free brass for many years for the metal parts in our product range.

Due to legal requirements from non-European countries and increasing international environmental and health awareness, we have decided to change our product range of metal parts from red brass to lead-free brass to meet all requirements worldwide with just one metal material. Red brass is still a UBA (German Federal Environmental Agency) approved material and complies with both the German Drinking Water Regulation and the European Drinking Water Directive.

The exact designation of the material is "Ecocast" (CC768S; CuZn21Si3P-C-GC, DIN EN 1982:2017), and it is a copper casting alloy according to DIN 50930 part 6.

Main ingredients:

Cu (copper) 75 - 77%, Zn (zinc) rest (approx. 20)

Sn (tin) < 0.3%, Pb (lead) < 0.1%

Ni (nickel) < 0.2%, Si (silicium) 2.7 - 3.5%

Characteristics LFB:

- Approved material from the German Federal Environment Agency (UBA) as of 03/2018.
- NSF approved material.
- Dezincification resistant according to ISO 6509 and AS 2345.
- Unrestricted usable for all drinking water qualities.
- Especially resistant to corrosion and seawater. The corrosion resistance is comparable to red brass.
- Comparable strength values to stainless steel.

From now on we start to change the metal parts in our transition fittings.

In the item numbers, the letter "R" is replaced by an "L".

Example: 1R10 0643 11 ⇔ 1L10 0643 11

The two materials can be used in combination without any problems.



We thus meet the current EU drinking water directive as well as the requirements of the US market and can guarantee a lead and nickel-free plumbing and heating Installation taking into account global requirements with only one material. Environmentally friendly and without health risks.

The future is lead and nickel free.

WELCOME TO THE FUTURE.

