



Technical Datas Certificate

We the undersigned, PARKER HANNIFIN MANUFACTURING FRANCE SAS, Fluid Systems Connectors Europe, manufacturer of fittings and industrial valves, hereby certify that, the products listed below, concerning a specific "Low lead brass" LF3600 (so called LF3600 84) will be made according to following characteristics:

- No change regarding mechanical performances (based on laboratory performed tests) and conditions of use in working pressure (30b max) & temperature (150°C). The gripping element (brass collet) and seals remains similar to LF3600 std range
- The brass used for all the component in contact with fluid is made in a "Low lead" brass alloy presenting a lead content < 0.2%
- The alloy used are CW508L / CW510L
- Standard compliance :
 - ❖ Italy :
 - DM174 requires a lead content < 3.5%: material used is compliant with this expectation. Getting an official DM174 approval require a certificate request to TIFQ organization
 - UNI 11460(*) concerns the whole coffee machine certification on which a migration test is to perform: hazardous substances are exposed to max limit value
 - ❖ Germany :
 - DIN EN 16889:2016 (*): according to the test protocole, the migration test is to perform: hazardous substances are exposed to max limit recommended value :
 - Pb < 0,04mg/L in 2016 & < 0,01mg/L as of the effective date 2017
 - Ni < 0,14mg/L

(*) the DIN EN16889:2016 is based on the previous DIN 10531 and UNI 11460

- ❖ france :
 - ACS : lead content < 6% and no nickel barrier in product : LF3600 CM will be compliant on this requirement
Getting an official ACS agreement requires a test procedure measuring hazardous substances migration and a CARSO certification protocol
- ❖ USA :
 - NSF61 (potable water) accepts "low lead" brass (<0.25%)
Official test protocole is NSF laboratory is mandatory to get NSF61 official label & registration on product range.

Low Lead brass (Pb<0.2%) used is likely to full fill coffee machine national standard. In case on certification & tests required by national regulation as mentioned here above, final approval will be delivered by certified organization

- **PRODUCT IN COMPLIANCE WITH THE ABOVE SPECIFICATIONS:**

PARKER part number: LF3600 84

Description: special LF3600 with Low Lead brass alloy

Date: Friday, 03 February 2017

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