

**ATTESTATO DI CONFORMITA'
CONFORMITY CERTIFICATE**

Pag.1 di 2

(Secondo ISO/IEC 17050-1)

Product line: 1N00	Description: Compression fittings with brass ring for copper pipe (R220 – R250)	Rev. A del 09/2021
Dimensions: according to General Fittings drawings		

La **General Fittings SpA** Company designs and produces fittings, valves and manifolds for sanitary and gas installations. It declares, under its own responsibility, that the products, here described and supplied to you, comply with below mentioned norms and decrees.

Raw material used:

Brass UNI EN 12165-CW617N
Brass UNI EN 12164-CW617N
Brass UNI EN 12168-CW603N

- Moreover, the raw materials used are of high quality and comply with the **Ministerial Decree N°174** dated 06/04/2004 concerning the materials and the items used in fixed installations for water collection, treatment and supply. – German Law **DIN 50930-6** Brass to be used for drinking water
- Threads comply with **UNI EN 10226-1**- Piping thread for coupling on the thread (GAS).
Part 1: Conical external and parallel internal threads – Dimensions, tolerances e designation.
UNI EN ISO 228-1:2003 - Piping thread for coupling not on the thread (WATER).
Part 1: Dimensions, tolerances e designation.
- General Fittings compression fittings are suitable for sanitary hot and cold water use in heating installations. – Threads **UNI EN ISO 228-1:2003** (KIWA)
For gas installations, they comply with **UNI 7129** law. – Threads **UNI EN 10226-1** (GASTEC)
- Maximum operating temperature: +120°C (+200°C – 9 bar for solar application). Minimum temperature: - 20°C. Maximum working pressure: 16 Bar.
- Is possible to use if necessary an antifreeze liquid. It can be used maximum at 50 % of concentration only if it's glicole. If in the antifreeze there are different substance o addition substance different of glicole, is necessary to know the chemical composition because is necessary to understand all components are compatible with these substance. Also, is possible to use these fittings with the air compression at 10 bar maximum.
- Fittings comply with **UNI EN 1254-2** law. "Sanitary fittings for copper pipe with compression ends" and specifically at point:
 - **4.2 Materials:** they are specified in European laws for copper and its alloys (EN 12164 – 12165 Etc.)
 - **4.3 Dimensions e tolerances**
 - **4.3.1 Minimum area for the section bore** (table 2)
 - **4.3.2 Face minimum thickness** (table 3)
 - **4.3.3 Alignment to the fittings extremities tolerance**
 - **4.3.4 Screwing minimum lenght** (table 4)

**ATTESTATO DI CONFORMITA'
CONFORMITY CERTIFICATE**

Pag.2 di 2

(Secondo ISO/IEC 17050-1)

- Fittings comply with **UNI EN 1254-4** law. "Fittings combined with other coupling capillary or compression ends" and specifically:
 - **4.1 Materials and Tests:** they observe the specific requirements of EN1254/1/2/3/5 law
 - **4.2 Threaded connections** Table2-3-4-5-6
 - **4.3 Thread dimensions**
 - **4.4 Torque systems**
 - **4.5 Minimum face thickness** (table 1)
 - **4.6 Minimum bore diameter for fittings with uneven extremities**
- General Fittings SpA declares that the design processes comply with law **UNI EN ISO 9001:2015**.

DECLINES

any liability for damages to people and things caused by tampering, wrong or not appropriate use or assembling of all its products.

General Fittings S.p.a. consiglia l'utilizzo di canapa o materiali naturali su tutte le giunzioni.

