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Declaration of Suitability

>B< Series 5000 - Copper fittings for capillary brazing according to EN 1254-1 for refrigeration plants in compliance with DIN EN 378 und DIN EN 14276

We herewith declare the suitability and applicability of the >B< Series 5000 copper fittings for capillary brazing described below for operational and processing conditions mentioned further on.

A Fitting Specification

- Fittings for capillary brazing 6 - 54 mm made of oxygen free copper Cu-DHP
- EN Material number CW024A, composition according to CEN/TS 13388 Material Group 31 according to DIN EN 14276-1, Annex I.3
- Dimensions and tolerances in compliance with product standard DIN EN 1254-1
- Appropriate for 'lap joints' according to DIN EN 14276-1, Annex B

B Operational Conditions

- Tubing for refrigeration systems for fluids group 2 according to the European Pressure Equipment Directive (PED 2014/68/EU)
- Maximum allowable operational temperature TS = -269 to 120 °C
- Maximum allowable operational pressure PS as a function of the fitting dimension OD as listed below:

OD	PS	Remark
mm	bar	
6 - 8	≤ 120	*
10 - 12	≤ 90	*
15 - 22	≤ 60	*
28 - 54	≤ 40	*

* Burst pressure of min. 3 x PS verified experimentally

C Processing

To ensure the operational conditions listed under B the processing of the fittings has to be done with respect to all corresponding technical rules and codes. Especially all requirements mentioned in DIN EN 378 and in DIN EN 14276 have to be followed in detail.

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