

Conex Universal Ltd., Global House, 95 Vantage Point,
The Pensnett Estate, Kingswinford, DY6 7FT, West Midlands, UK
Postadresse: IBP GmbH, Theodor-Heuss-Str. 18, D-35440 Linden

2nd Sep. 2019 / TB

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 - 159 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	*
14 - 22	≤ 60	*
22 - 54	≤ 40	*
54 - 67	≤ 35	*
67 - 108	≤ 30	*
108 - 159	≤ 25	*

* Burst pressure of min. 3 x PS verified experimentally

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