

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

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## Declaration of Suitability

>B< Series 5000 - Copper fittings for capillary brazing according to DIN 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 – 108mm 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
- **NOT** suitable for Ammonia containing refrigerants.

### B Operational Conditions

- Tubing for refrigeration systems for fluids groups 1 & 2 according to the European Pressure Equipment Directive (PED 2014/68/EU) +
- Maximum allowable operational temperature TS = 150°C
- Maximum allowable operational pressure PS as a function of the fitting dimension OD as listed below:

OD	PS	Remarks
mm	bar	
6-8	≤ 130	*
10-12	≤ 90	*
15-22	≤ 60	*
28-35	≤ 50	*
42	≤ 48	*
54	≤ 40	*
67	≤ 35	*
76	≤ 35	*
108	≤ 30	*
133	≤ 25	*

\* Burst pressure of min.3 x PS verified experimentally

#### Conex Universal Limited

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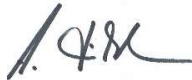
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## **C** Processing

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 of practice. Especially all requirements mentioned in EN 378, EN 14276 and in Brazing Procedure Specifications (BPS) according to EN 14276-1, Annex B, have to be followed in detail.

i.V.



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