

Declaration of Suitability

>B< Series 9000 ACR - Copper capillary fittings according to ASME B16.22 for ACR

We herewith declare the suitability and applicability of the >B< Series 9000 copper capillary fittings described below for operational and processing conditions mentioned further on.

A Operational Conditions

- Tube systems for refrigeration purpose for fluids group 1 & 2 according to the European Pressure Directive (PED 2014/68/EU)
- Maximum operational temperature TS = -269 to 120 °C
- Refrigerants R-xx, R-1xx, R-2xx, R-3xx, R-4xx, R-5xx, R-6xx, R-11xx, R-12xx, R-7xx except R-717, R-723, R-764
- Maximum operational pressure PS as a function of the fitting dimension OD as listed below:

Tube size O.D. (inch)	PS (bar)	Remark
≤ 1/2"	≤ 90	*
5/8" to 1 5/8"	≤ 60	**
2 1/8"	≤ 45	**
2 5/8" to 4 1/8"	≤ 30	*

* *Burst pressure 3 x PS*

** *Burst pressure 2.5 x PS*

B Processing

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

Alan Glaze
Group Technical Manager

