

4.0 Technical Data

Technical Data	
Parameters	Capability
Applications	Air-conditioning and refrigeration
Connections	Copper to copper
Approved tube: Copper tube conforming to*	EN12735-1 or ASTM-B280
Fitting / tube range	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8"
Fitting material	Refrigerant grade copper (UNS C12200 min 99.9% pure)
O-ring	HNBR
Approved oils	POE, PAO, AB and mineral oil
Maximum operating and abnormal pressure	48 bar / 4800 kPa / 700 psig
Leak tightness	Helium $\leq 7.5 \times 10^{-7}$ Pa.m ³ /s at +20 °C, 10 bar
Vacuum	200 microns
O-ring temperature range	-40°C to 140°C
UL listing continuous operating temperature	121°C
Compatible refrigerants	R1234yf, R1234ze, R32, R134a, R404A, R407C, R407F, R410A, and R507
Standards, tests and approvals	UL 207 file no. SA44668 UL 109 - 7 Pull Test, compliant. UL 109 - 8 Vibration Test, compliant. UL 1963 - 79 Tests of Gaskets and Seals Used in Refrigerant Systems, compliant. ISO 5149-2, compliant. EN 14276-2, compliant. EN 378-2, compliant. EN 16084, compliant. ISO 14903, Tightness Test, compliant. ASTM G85, compliant.

*Please refer to >B< MaxiPro - Tube Compatibility Table, see section 12.10.

5.0 Quality Assurance

Conex Bänninger is an ISO 9001 quality assured company. We are committed to providing quality products and support to our customers.

6.0 Trademark

>B< MaxiPro is a registered trademark in numerous territories worldwide.

7.0 Size availability

>B< MaxiPro is available in the following sizes 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8". For more information see range details.

8.0 Fitting material

>B< MaxiPro is manufactured from copper (UNS C12200 min 99.9% pure).

9.0 Standards and Approvals

- >B< MaxiPro fittings are UL 207 certified file no. SA44668.
- UL 109 - 7 Pull Test, compliant.
- UL 109 - 8 Vibration Test, compliant.
- UL 1963 - 79 Tests of Gaskets and Seals Used in Refrigerant Systems, compliant.
- ISO 5149-2, compliant.
- EN 14276-2, compliant.
- EN 378-2, compliant.
- EN 16084, compliant.
- ISO 14903, Tightness Test, compliant.
- ASTM G85, compliant.

10.0 Storage

>B< MaxiPro fittings do not require special storage conditions. However to protect the HNBR O-ring a few simple precautions should be taken.

The O-rings should be protected from light sources, in particular direct sunlight or intense artificial light having a high ultra-violet content.

As ozone is particularly harmful to rubber, storage rooms should not contain any equipment that is capable of generating ozone, such as mercury vapour lamps or high-voltage electrical equipment giving rise to electric sparks or silent electrical discharges.

Combustion gases and organic vapours should be excluded from storage rooms, as they may give rise to ozone via photochemical processes. Precautions should also be taken to protect stored products from all sources of ionizing radiation.

>B< MaxiPro fittings should be kept in their sealed bags to protect them from contamination.

11.0 Marking and Cleanliness

Each fitting is marked >B< MaxiPro, size and 48 BAR (on a pink background) and are cleaned, bagged and labelled to fully comply with the cleanliness requirements of EN 12735-1 and ASTM-B280. Keep the ziplock bag sealed to protect fittings from contamination.