

REFRIGERATION FITTINGS

TECHNICAL DATASHEET



Technical Specifications:

- Material: 99.9% pure copper (C12200)
- Compatibility: R-134A, R-32, R-404A, R-410A and R-448A,
- Pressure Rating: Rated to 70 bar (1015 psi) for smaller sizes
- Manufacturing Standards: AS/NZS 1200, AS/NZS 1571, AS/NZS 5149 and AS/NZS 4041
- Connection Types: Brazing fittings (flare and compression are not suitable)

Applications:

- Commercial refrigeration (supermarkets, food retail, cold rooms)
- Industrial cooling (processing plants, cold storage, ice rinks)
- Medical and pharmaceutical refrigeration
- Beverage and dairy refrigeration systems

Installation Guidelines:

- Use high-silver brazing alloys (minimum 5% silver) for stronger joints.
- Nitrogen purge the system during brazing to avoid internal oxidation.
- Pressure test to AS/NZS 5149 requirements before system startup.

SIZE RANGE	From 1/4" up to 4 1/8"
DN SIZE RANGE	DN8 up to DN100
MATERIAL	99.9% pure copper (C12200)
OPERATING TEMPERATURE	-25° C to 65° C
MAXIMUM OPERATING PRESSURE	up to 70 bar / 7 MPa / 1015 psi at 65° C
TUBE COMPATIBILITY	Suitable for most commercially available copper–iron alloy pipe types