

REFRIGERATION FITTINGS

ENGINEERING SPECIFICATIONS



Product Description

Refrigeration fittings manufactured from 99.9% pure copper (C12200) for use in commercial, industrial, and medical refrigeration applications. Designed for use with high-pressure refrigerants within AS/NZS compliance requirements.

Size Range

- Imperial: 1/4" up to 4-1/8"
- DN: DN8 to DN100

Material & Construction

- 99.9% copper (C12200) seamless construction
- Manufactured to AS/NZS 1571
- Suitable for brazed joints only

Operating Parameters

- Operating Temperature: -25 °C to 65 °C
- Maximum Operating Pressure: up to 70 bar (7 MPa / 1015 psi at 65 °C)

Compliance & Standards

- AS/NZS 1200 – Pressure Equipment
- AS/NZS 1571 – Copper Tube for Refrigeration
- AS/NZS 4041 – Pressure Piping
- AS/NZS 5149 – Refrigerating Systems and Heat Pumps (safety)

Testing & Certification

- Pressure tested to AS/NZS 5149 requirements before commissioning
- Nitrogen purged during brazing to prevent internal oxidation
- Manufactured under ISO 9001 quality systems

Compatibility

- Refrigerants: R-134a, R-404A, R-32, R-410A, R-448A
- Tubing: Copper and copper-iron alloy tubes compliant with AS/NZS 1571

Applications

- Supermarkets, food retail, cold storage rooms
- Industrial cooling and ice rinks
- Pharmaceutical and medical refrigeration
- Beverage and dairy processing