

AIR-CONDITIONING FITTINGS

ENGINEERING SPECIFICATIONS



Product Description

Air-conditioning fittings manufactured from 99.9% copper (C12200) for use in HVAC systems, including VRF/VRV and low-GWP refrigerant applications.

Size Range

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

Material & Construction

- 99.9% copper (C12200)
- Manufactured to AS/NZS 1571
- Brazing connection only

Operating Parameters

- Operating Temperature: -10 °C to 65 °C
- Maximum Operating Pressure: 45 bar (4.5 MPa / 653 psi at 65 °C)

Compliance & Standards

- AS/NZS 1200 – Pressure Equipment
- AS/NZS 1571 – Copper Tube for Refrigeration
- AS/NZS 5149 – Refrigerating Systems and Heat Pumps

Testing & Certification

- Nitrogen purged during brazing to avoid oxidation
- Pressure tested per AS/NZS 5149 prior to service startup
- Manufactured under ISO 9001 quality systems

Compatibility

- Refrigerants: R-32, R-410A, and emerging low-GWP refrigerants
- Tubing: Compatible with AS/NZS 1571 copper tube

Applications

- Split and ducted air-conditioning systems
- VRF/VRV systems
- Rooftop packaged units
- Industrial HVAC systems