

# AIR-CONDITIONING FITTINGS

## TECHNICAL DATASHEET



**Technical Specifications:**

- Material: 99.9% pure copper (C12200)
- Compatibility: R-32, R-410A and emerging low-GWP refrigerants
- Pressure Rating: Rated to 45 bar for HVAC applications
- Manufacturing Standards: AS/NZS 1200, and AS/NZS 1571
- Connection Types: Brazing fittings (flare and compression are not suitable)

**Applications:**

- Split and ducted air-conditioning systems
- VRF/VRV systems
- Packaged rooftop air-conditioners
- Industrial HVAC applications

**Installation Guidelines:**

- Use oxygen-free brazing with nitrogen purging to prevent oxidation
- Ensure proper torque for flare connections to prevent leakage
- Follow manufacturer torque specifications for compression fittings

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	-10° C to 65° C
MAXIMUM OPERATING PRESSURE	45 bar / 4.5 MPa / 653 psi at 65° C
TUBE COMPATIBILITY	Suitable for most commercially available copper-iron alloy pipe types