

Technical Bulletin

Installation: Multisplit 36 and 42 Air to Air OUE

CONNECTION TO OUTDOOR UNIT WHEN USING A 7KW INDOOR UNIT

When installing a 36 or 42 OUE Multisplit system with a 7kw indoor unit:

The outdoor units will have 3 sets (36 OUE) or 4 sets (42 OUE) of ¼ and 3/8 connections and 1 set of ¼ and ½ inch connections. When a 7kw indoor unit is specified for the system, the connections on port A (¼ and ½) must be used.

A reduction in pipe size will be needed to connect to the unit.

This can be done via a reducer installed directly onto the valve of the outdoor unit (figure 1), or the pipework can be reduced to the outdoor unit before the valve, using a reducer that is designed for refrigeration pipework. An example of this is in figure 2 (the example shown would be a brazed connection).

For example, the 5/8 gas pipe will need to be reduced down to ½ inch and the 3/8 inch liquid pipe will need to be reduced down to ¼ inch.

- ▶ Always run the correct pipe size from the indoor unit to the outdoor unit
- ▶ Only step down to the ¼ and ½ inch connections at the **outdoor** unit, or as close as physically possible
- ▶ Use fittings and pipework only for refrigeration use



Fig1.



Fig2.

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