

## Refrigeration

### Equipment Exemptions

#### Air-conditioning and refrigeration pipework and >B< MaxiPro

Air-conditioning and refrigeration equipment manufacturers depend on high quality pipework installations to ensure their equipment meets stated performance standards and installations can be warranted. Equipment manufacturers who have acknowledged the benefits that >B< MaxiPro brings, continue to warrant their system because >B< MaxiPro allows the contractor to comply with the following:

- System piping, jointing materials and methods used must comply with European and local legislation, standards and codes, including BS-EN378 and F-Gas obligations.
- The refnets used on systems must where stated be the original supplied parts to ensure correct system pressure, oil and gas distribution.
- System piping, jointing materials and methods used should not increase the pressure drop or introduce any foreign substances into the refrigerant circuit when compared with traditional refrigerant grade copper jointing techniques.
- System piping and jointing materials and methods used must prevent galvanic corrosion from occurring through the operational life of the system including maintenance and service activities.

It is the responsibility of the installer / contractor to ensure that they follow the installation instructions of the equipment supplier and that >B< MaxiPro joints are made following the detailed instructions provided in the >B< MaxiPro Technical Brochure. To benefit from the >B< MaxiPro extended 5 year guarantee an installer must have passed the >B< MaxiPro training course and be certified.

For detailed information on the specific installation requirements of a particular manufacturer's equipment please refer to their installation literature, visit their website or contact them directly.

For further information on >B< MaxiPro please visit: [www.conexbanninger.com/bmaxipro](http://www.conexbanninger.com/bmaxipro).

The listed statements from the following air-conditioning manufacturers clarify that the use of >B< MaxiPro fittings may be used in the installation of their products without impacting the Guarantee / Warranty provided. Please ensure you comply with all statements in these documents relating to the installation of the air conditioning manufacturers products.

These documents do not in any way constitute an endorsement of >B< MaxiPro.

Other manufacturers statements can be provided on request.

**Statement regarding alternative pipework materials and jointing methods for use on Daikin UK DX Airconditioning and/or heating systems.**

The use of alternative materials for jointing and piping direct expansion systems is growing within the industry. As an equipment manufacturer we understand that the use of these products can enable the reduction or elimination of hot works on site which can be a requirement of the customers' specification.

Our equipment warranty relies on high quality pipework installations being performed to the standards as specified in our installation manuals. Using methods or materials for this purpose that are not described in our installation manuals are the sole responsibility of the installing contractor. We will however continue to maintain our manufacturer warranty on systems using these alternative methods providing that the following criterion is met:

- Any system piping or jointing materials & methods must meet all local and European legislation, including F-Gas obligations to minimise or eliminate the possibility of refrigerant leaks, and the safety and environmental requirements of BS-EN378.
- Any damage directly or indirectly caused to the installed Daikin system through installation or use of these methods or materials will not be covered by the Daikin warranty, this includes increased wear and tear on the system caused by a lack of refrigerant.
- All refnet joints used on Daikin systems must be original Daikin supplied parts, this is to ensure correct system pressure, oil and gas distribution. The use of third party refnets, Y or T pieces is not supported and could invalidate the warranty.
- Any materials used should not increase the pressure drop or introduce any foreign substances into the refrigerant circuit when compared to the recommended refrigerant grade copper mentioned in the relevant Daikin installation manuals.
- Any installation using different pipework materials (i.e. Cu to Al) must use a system that prevents any dielectric / bi-metal / galvanic corrosion from occurring through the operational life of the system including maintenance and service activities.

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**RE: Warrantability of MaxiPro System**

Dear Sirs

We are writing to you to confirm that the MaxiPro system will in no way invalidate the warranty terms and conditions when used with Panasonic Heating and Cooling Solutions system, as long as the manufacturer installation requirements are met.

We trust this is to your satisfaction.