

Application Note 1022: Regarding Refrigerant Accessories

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Table of Contents

Considerations Regarding Refrigerant Accessories.....3

Considerations Regarding Refrigerant Accessories

Please be advised that we do not recommend the following accessories on new installations of Mitsubishi ductless air conditioners or heat pump units.

Filter Driers: Our units are made in the factory under clean conditions and are brazed using dry nitrogen. They are charged with clean oil and new refrigerant. When the line sets are attached using flare connections the copper is clean. Under clean conditions filter driers are not necessary and will only cause pressure drops in the system.

Sight Glasses: The outdoor unit contains the metering device. The purpose of a sight glass is to check the condition of the liquid refrigerant prior to metering device. Since sight glasses are placed prior to the metering device at the indoor the sight glass would be useless and only create a pressure drop in the lines.

Traps: Traps create pressure drops in our systems. They are commonly used to help in oil return to the compressor. Since the velocity of the refrigerant is greater when the metering device is placed in the outdoor unit oil return is not a problem. If a trap is not preventable, it must be a minimum of twelve inches in length.