Type AMI Moisture Liquid Indicators

General Information

1. Only one indicator element is required for all common refrigerants. This element is highly sensitive to moisture and will gradually change color in direct relation to an increase or decrease in the moisture content of the system.
2. The dry-caution-wet system operating conditions are then easily determined by matching the element color with the three colors displayed on the reference label. Colors change as often as the system moisture content changes.

Important: 12 hours is recommended after installation of the AMI Moisture Liquid Indicator before attempting to determine the system moisture content.

Note: The indicator element may indicate an unsafe condition before installation. This is normal and simply reflects the room humidity condition.

3. The exclusive fused glass eye piece in the AMI Moisture Liquid Indicator provides a clear, wide angle view of the liquid refrigerant flow so that bubbles or flash gas are easily seen. This indicates an insufficient system charge, low head pressure, insufficient liquid subcooling or some form of restriction in the liquid line.

Installation Instructions

1. The AMI Moisture Liquid Indicator may be installed in any position. It is normally installed downstream from the filter-drier and immediately ahead of the TXV.
2. **Warning:** AMI-1SS and 2S series indicators should be disassembled before being brazed into the line. Failure to disassemble could result in damage to the "O" ring seal. The simplified construction and "O" ring seal make it very easy to remove and replace the indicator assembly. As the AMI-1SS and 2S must be disassembled before installing the lens, assembly is only finger tight.
3. Forged brass construction permits use of any soft solder or commonly used brazing alloys. When soldering or brazing, direct the flame away from the AMI body. Use wet rags or chill block to prevent damage to body or label. Excessive heat may cause the AMI body to warp.
4. Replace the indicator assembly.
5. Replace sightglass cover to maintain indicating sightglass clean when not being viewed.

Caution: Do not exceed 70 inch lbs. torque when re-assembling. The "O" ring seal can be distorted and result in leaking if excessive tightening is applied.

The AMI product has a 650 psig maximum working pressure. Following installation of an AMI or an EK Filter-Drier, the system should be allowed to reach equilibrium as previously noted. If a caution or wet system condition is still indicated following this period, the filter-drier or the replaceable cores should be replaced. This practice should be continued until the system has dried and a safe condition is indicated.

CAUTION: This product is intended for use on all CFC, HCFC and HFC except R123. Do not use on any unlisted fluid media without prior approval of the Emerson Climate Technologies Flow Controls Division Applications Engineering Department. Use on fluids not listed above could result in deterioration of the moisture indicator element. Not for use on refrigerants classified by ASHRAE standard 34 as Class A2, A3, B2 and B3.