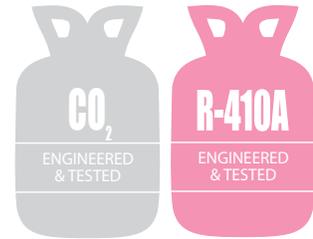




Mueller Streamline Co.
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R-410A/CO2 Refrigerant Applications
Copper Tube & Fittings
Air-Conditioning & Refrigeration Applications

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There are standards such as ASTM B88, ASTM B280 and ASME B16.22 that provide values for different acceptance criteria for the use of copper tube and fittings in air-conditioning and refrigeration applications. Using such information, design engineers typically determine the appropriate safety factor for their application and then reference the applicable standard to arrive at the suitable material type and size. Due to the longevity of many standards, some current material data may at times not adequately address or account for changes in technology or the higher pressures associated with many new refrigerants.

Mueller Streamline Co. proudly offers copper tube and fittings in compliance with the applicable ASTM/ASME specifications. Also, after extensive additional testing, the copper products listed below have been determined to be acceptable for use under normal operating pressures and conditions of R-410a and sub-critical CO2 refrigerant applications. This testing validates performance of these products at operating pressures up to 48 Bar at 120°C.

Product Line	Type	Diameter
Copper Tube	• Streamline Tube Type K	1/8" – 2-5/8"
	• Streamline Tube Type L, & ACR	1/8" – 1-3/8"
	• Streamline Refrigeration Coils	1/8" – 1-1/8"
	• Streamline Line Sets	1/8" – 1-1/8"
Copper Fittings	• Streamline Wrot Solder Joint Pressure	1/8" – 2 5/8"

As new technologies and refrigerants emerge, Mueller Streamline Co. is committed to being a resource to our customers and ensuring that our products are safe and reliable. If you have any product questions or wish to design a system above 48 Bar, please contact your sales representative.

Sincerely,

Charles Stout, P.E.
Director – Research & Development