



October 8, 2024

To our valued customers,

We hereby certify that to the best of our knowledge and belief that all domestic brass fittings furnished by Merit Brass Company are made from copper alloy C89833 in accordance with ASTM B584 with the following chemical analysis:

COPPER	87.00% – 91.00%
TIN	4.00% – 6.00%
LEAD	0.10% Max
ZINC	2.00% – 4.00%
NICKEL	1.00% Max
PHOSPHORUS	0.05% Max
SILICON	0.005% Max
ALUMINIUM	0.005% Max
SULFUR	0.08% Max
IRON	0.30% Max
ANTIMONY	0.25% Max
BISMUTH	1.70% – 2.70%

Furthermore, the domestic lead-free brass fittings conform to: ASME B16.15, MSS SP-106 (Flanges), A-A-59617 (Unions). All domestic lead-free brass fittings are threaded in accordance with ASME B1.20.1. Pressure-temperature ratings for weight classes 125 and 250 per ASTM B16.15 found below.

#### Pressure Temperature Ratings

Temperature, °F	Class 125, psi	Class 250, psi
-20 to 150	200	400
200	190	385
250	180	365
300	165	335
350	150	300
400	125	250

Sincerely,  
MERIT BRASS COMPANY

*Jarod Pawlowski*

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SQE Compliance Coordinator

