

Comparison of the same six points of Michels with the values predicted by the equation of state developed here shows a mean density deviation of 0.03 percent.

An abundance of thermodynamic data for argon is available in the literature. However, it is only quite recent that investigators have begun to appreciate the inherent difficulties associated with obtaining good data in the region of the critical point.

New techniques are being utilized to investigate critical point behavior, and older techniques are being updated to include the high precision which is necessary to describe this region. Theoretical studies are being made to try to understand the behavior in this interesting region. But much more experimental and theoretical work has yet to be done before a complete and definitive description of this critical region can be obtained.

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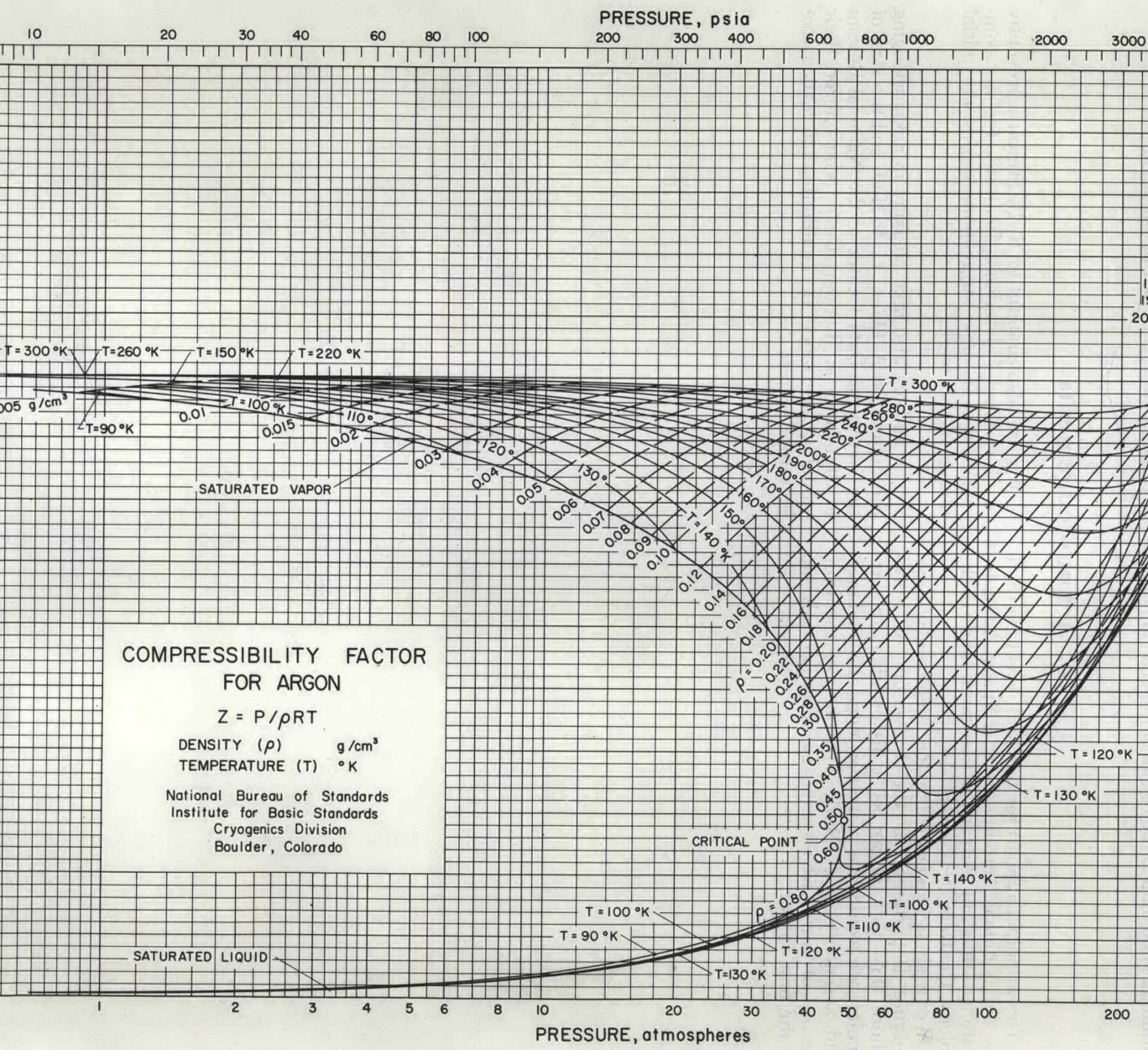


FIGURE 23. Compressibility factor chart.