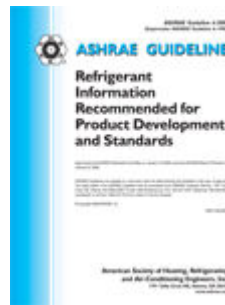


## **Guideline 6-2008 - Refrigerant Information Recommended for Product Development and Standards**



### *Superseded ASHRAE Guideline 6-1996*

This edition of Guideline 6 is a revision of the original Guideline 6, which was first published in 1996. At that time, many new refrigerants and blends were being introduced that were intended to replace chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs) as a result of environmental regulations. The 1996 guideline was presented as a way to inform potential new refrigerant suppliers of the type and format of refrigerant information that the industry would be looking for in order to evaluate new refrigerants and blends. This 2008 revision of the guideline reflects a change of focus away from commercialization of new refrigerants and toward the application of refrigerants, whether they are new or old.

The title of the guideline has been changed for the 2008 revision because the guideline now addresses more than just the "Format for Information on Refrigerants." The revised purpose and scope further de-emphasize newly commercialized refrigerants in favor of all refrigerant data that might be needed for the design of HVAC&R equipment, ASHRAE standards, or other codes. The guideline does not present itself as a how-to guide for developing the data; rather, it provides examples and references as to how data have been developed by others in the past.

The single biggest revision to this guideline is the consolidation and rewriting of the old Sections 5 and 6, "Thermodynamic Data" and "Thermophysical Data," into a single Section 5, "Thermophysical Property Data." This change was made because thermodynamic data are a subset of the thermophysical properties. The new Section 5 was written to be more instructive on the state of the art rather than simply giving a shopping list of the data that are recommended. Also, Section 9, "Heat Transfer," has been deleted, since this topic is very equipment-specific and Guideline 6-1996 provided very little detail or insight.

The references have also been brought up to date to reflect the latest editions of the referenced standards. Please note that as these references continue to change, they may no longer be consistent with the information presented in this edition of Guideline 6. In most cases, however, the most current information is desirable.

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