ERRATA SHEET FOR ANSI/ASHRAE STANDARD 34-2022
Designation and Safety Classification of Refrigerants

March 18, 2024

The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 34-2022. The first printing is identified on the outside back cover as “Product code: 86306 9/22”. Shaded items have been added since the previous published errata sheet date February 8, 2024 was distributed.

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9.5.2.1 Individual Compounds. Revise Section 9.5.2.1e as shown below. Change is highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in strikethrough.)

9.5.2.1 Individual Compounds. The following information shall be provided for single-compound refrigerants or for each component of blends:

[ … ]

e. Normal boiling-point temperature at 14.7 psia (101.3 kPa)
[ … ]

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9.5.2.2 Azeotropic Blends. Revise Sections 9.5.2.2e and 9.5.2.2f as shown below. Changes are highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in strikethrough.)

9.5.2.2 Azeotropic Blends. …

The following additional information shall be provided for azeotropes:

[ … ]

e. Normal boiling-point temperature (bubble-point temperature) at 14.7 psia (101.3 kPa) as formulated

f. Normal dew-point temperature at 14.7 psia (101.3 kPa) as formulated.
[ … ]

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9.5.2.3 Zeotropic Blends. Revise Sections 9.5.2.3d and 9.5.2.3e as shown below. Changes are highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in strikethrough.)

9.5.2.3 Zeotropic Blends. The following additional information shall be provided for zeotropes (including near azeotropes):
d. Bubble-point temperature at 14.7 psia (101.3 kPa±10 kPa)
e. Dew-point temperature at 14.7 psia (101.3 kPa±10 kPa)

46 **B2.1.1 Experimental Verification.** Revise Sections B2.1.1 as shown below. Changes are highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in strikethrough.)

**B2.1.1 Experimental Verification.** Experimental verification of the model shall take the form of leakage experiments (carried out in accordance with Section B2.4B2.3) that result in the WCFF. …

55 **Table D-2.** Change Composition (mass %) for refrigerant number 421A from “R-125/134a (58.0/45.0)” to “R-125/134a (58.0/42.0)”.

60 **Table D-2, Data for Refrigerant Blends.** Revise the Normal Bubble Point (°F) value for row 510A as shown below. Changes are highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in strikethrough.)

<table>
<thead>
<tr>
<th>Refrigerant Number</th>
<th>Composition (mass %)</th>
<th>Normal Bubble Point</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>[…]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>510A</td>
<td>R-E170/600a (88.0/12.0)</td>
<td>−25.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[…]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>