

Appendix F. Fume Hood Classification System

Hood Category	Authorized use	Flow Conditions
A	<p>Chemicals or process reaction byproducts which are considered to be carcinogens, reproductive toxins, allergens, or highly toxic and the breathing zone air concentration (if no hood is present) exceeds the substance PEL, TLV or other safe limit.</p>	<p>The average ventilation flow rate must be at least 100 feet per minute (fpm), but no greater than 125 fpm with sash wide open.</p>
B	<p>Chemicals or process reaction byproducts which are considered to be carcinogens, reproductive toxins, allergens, highly toxic and the breathing zone air concentration (if no hood is present) does not exceed the substances PEL, TLV, or other safe limit.</p> <p style="text-align: center;">OR</p> <p>Chemicals or process reaction byproducts which are not considered to be carcinogens, reproductive toxins, or highly toxic, but the PEL, TLV or other safe limit, is less than 100 ppm.</p>	<p>The average ventilation flow rate must be at least 80 fpm, but no greater than 125 fpm with sash wide open.</p>
C	<p>Not suitable for use with carcinogens, reproductive toxins, allergens or highly toxic materials.</p>	<p>The average ventilation flow rate is at least 60 fpm but no greater than 125 fpm with sash wide open.</p>