

**Table 3. Combination Gas/Vapor and Particulate Respirators**

Assigned protection <sup>1</sup> factor	Type of Respirator
10	<p>Any air-purifying half-mask respirator equipped with appropriate gas/vapor cartridges<sup>2</sup> in combination with appropriate type of particulate filter.<sup>3</sup></p> <p>Any full facepiece respirator with appropriate gas/vapor cartridges<sup>2</sup> in combination with appropriate type of particulate filter.<sup>3</sup></p> <p>Any negative pressure (demand) supplied-air respirator equipped with a half-mask.</p>
25	<p>Any powered air-purifying respirator with a loose-fitting hood or helmet that is equipped with an appropriate gas/vapor cartridge<sup>2</sup> in combination with a high-efficiency particulate filter.</p> <p>Any continuous flow supplied-air respirator equipped with a hood or helmet.</p>
50	<p>Any air-purifying full facepiece respirator equipped with appropriate gas/vapor cartridges<sup>2</sup> in combination with an N-100, R-100 or P-100 filter or an appropriate canister<sup>2</sup> incorporating an N-100, P-100 or R-100 filter.</p> <p>Any powered air-purifying respirator with a tight-fitting facepiece (half or full facepiece) equipped with appropriate gas/vapor cartridges<sup>2</sup> in combination with a high-efficiency filter or an appropriate canister<sup>2</sup> incorporating a high-efficiency filter.</p> <p>Any negative pressure (demand) supplied-air respirator equipped with a full facepiece.</p> <p>Any continuous flow supplied-air respirator equipped with a tight-fitting facepiece (half or full facepiece).</p> <p>Any negative pressure (demand) self-contained respirator equipped with a full facepiece.</p>
1,000	<p>Any pressure-demand supplied-air respirator equipped with a half-mask.</p>
2,000	<p>Any pressure-demand supplied-air respirator equipped with a full facepiece.</p>
10,000	<p>Any pressure-demand self-contained respirator equipped with a full facepiece.</p> <p>Any pressure-demand supplied-air respirator equipped with a full facepiece in combination with an auxiliary</p>

	pressure-demand self-contained breathing apparatus.
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<sup>1</sup> The protection offered by a given respirator is contingent upon (1) the respirator user adhering to complete program requirements (such as the ones required by OSHA in 29CFR1910.134), (2) the use of NIOSH-certified respirators in their approved configuration, and (3) individual fit testing to rule out those respirators that cannot achieve a good fit on individual workers.

<sup>2</sup> Select a cartridge/canister certified to be used for the specific class of chemicals or the specific gas/vapor found in your workplace.

<sup>3</sup> Appropriate means that the filter medium will provide protection against the particulate in question.