

Errata Sheet for printed copies of ANSI/ISEA 110-2003 American National Standard for Air-Purifying Respiratory Protective Smoke Escape Devices

- Section 7.14.4 “inhalation” should be corrected to “exhalation”
- Section 9.1.2 Remove reference to Section 5.6 and refer to the carbon dioxide test in the EN 136 standard, Respiratory Protective Devices, Full Face Masks, Requirements, Testing, Marking, 1998 edition..
- Section 9.3.11.1 In order to clarify the appropriate flow rate the following language should replace the current language:

The breathing machine shall use the Lung Breathing Waveform for 40 l/min Volume Work Rate, but be set at 19 breaths per minute, yielding a constant ventilation rate of 31.7 l/min and a peak inspirational flow of 95 ± 1 l/min

- Section 9.8.3.1.1 (f) Change “airstream” to “flask”
- Section 9.8.3.3.5 Correct total collected weight should be 0.258g/5 min. ± 0.0774 g/5 min (replacing $0.236\text{g} \pm 0.01\text{g}$)
- Section 9.8.4.2.2 Injected amount of liquid acrolein should be 0.00687 g/min
- Section 9.8.4.3.5 Delivery weight should be 0.00687 g/min
Total collected weight should be 0.0344g/5 min. $\pm 0.001\text{g}$
- Section 9.8.5.3.5 Rotameter value should be 30 ml/min.
- Section 9.8.6.3.5 Rotameter value should be 3.0 ml/min.
- Section 9.8.7.3.1 Replace 30 l/min with 27.6 l/min
- Section 9.8.7.3.5 Replace 2.65 ml/minute with 2.4 l/min
- Section 9.8.7.3.7 The challenge gas sample should be 1 l/min not 1 L.
- Section 9.8.8.2.3 Flow rate should be 300 ± 9 cc/min
- Section 9.8.8.3.7 Term “flow meter A” should replace term “rotameter”
- Section 9.8.9.3.7 Term “flow meter A” should replace term “rotameter”
- Section 9.8.9.2.2. The correct temperature is $0 \pm 2^\circ\text{C}$
- Section 9.8.9.2.3 Flow rate it should be 500 ± 15 cc/min
- Section 9.9.1 Reference section should be Section 9.8.8
- Section 9.14.7 Reference sections should be to Sections 7.14.3 and 7.14.4

- Figure 8.2.1 Dimensions should be in mm. 0.75 should be changed to 19 mm
- Figure 9.8.2.1 (f). The CO monitor flow should be from the test chamber to the flask, not the breathing machine.
- Figure 9.8.2.1 (g). The CO monitor flow should be from the test chamber to the flask, not the breathing machine.
- Figure 9.12.1.1. The distance from the polypropylene rod to the RPED test location is 116 mm \pm 33 mm (not 76.2 mm as indicated in the drawing).
- Additionally, since the time of publication, it has been learned that the Interscan model 1282 HC analyzer is no longer available (See Section 9.8.7.1.1.h). Therefore a gas chromatograph equipped with a flame ionization detector to detect HCN can be utilized.

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