



ERRATA

NFPA 2001

Standard on Clean Agent Fire Extinguishing Systems

2015 Edition

Reference: Various

Errata No: 2001-15-1

The Committee on Gaseous Fire Extinguishing Systems notes the following errors in the 2015 edition of NFPA 2001, *Standard on Clean Agent Fire Extinguishing Systems*.

1. Replace Figure A.5.5.3.2(f) with the correct figure shown below (this was a production error).

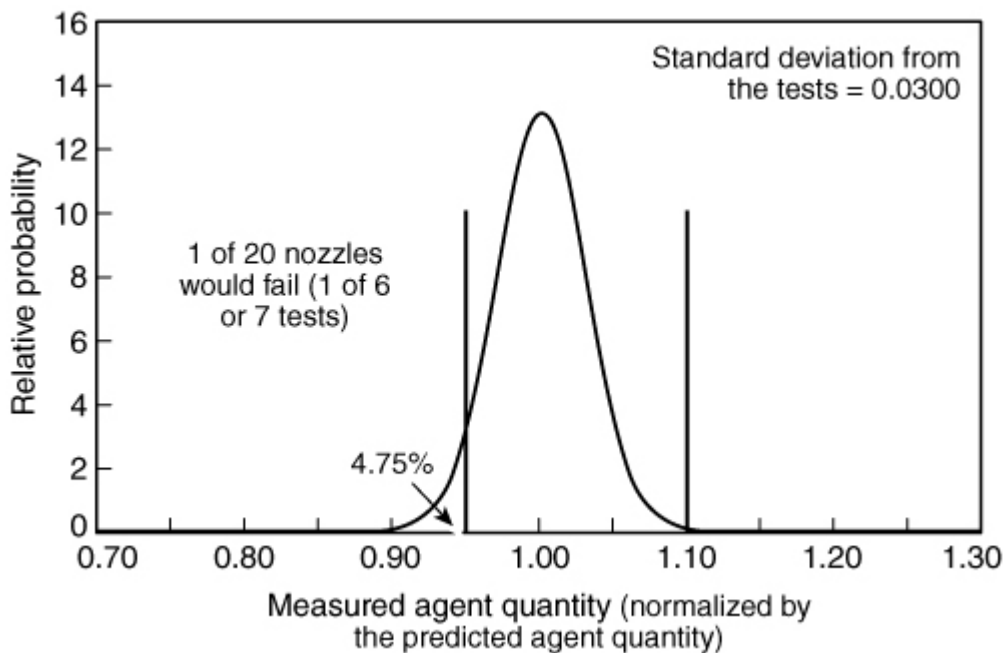


FIGURE A.5.5.3.2(f) Distribution Curve No. 5.

2. Insert the missing equation for C.2.8.1.3 (production error); and correct the numerator in the equation (editorial error) to read as follows:

C.2.8.1.3 Leak Fraction for Lower Leakage Method.

If a lower leaks test is performed and the lower leakage is measured, then the lower leak fraction (F) is determined using the following equation:

$$F = \frac{k_{1R}}{k_{1L}} 10^{(nL - nR)}$$

Numerator should be: k_{11}

[C.2.8.1.3]

For extinguishants lighter than air, $F = 0.5$.

3. Remove the first equation (it does not belong) for C.2.8.1.5.3 (production error) and insert the correct equation instead, to read as follows:

C.2.8.1.5.3 Calculation for Extinguishants That Are Lighter Than Air.

~~$EqLA = 1.271 \cdot P_{ref}^{(n-0.5)} \cdot k_1$~~

$$t = \frac{V}{Fk_2} \int_{\rho_{ref}}^{\rho_{inj}} \left(\frac{2g_n H_0 |\rho_a - \rho_w|^{(n+1)/n} + 2P_{hh} |\rho_a - \rho_m|^{1/n}}{\rho_w + \rho_a \left(\frac{F}{1-F} \right)^{1/n}} \right)^{-n} d\rho_w$$

[C.2.8.1.5.3]

Calculate ρ_{mf} using Equation C.2.7.1.4 and substituting C_{min} for C_i .

4. Insert the missing equation for C.2.8.2 (production error) to read as follows:

C.2.8.2

Leakage area for visualization or relief vent calculation is found by the following equation:

$$EqLA = 1.271 \cdot P_{ref}^{(n-0.5)} \cdot k_1$$

[C.2.8.2]

This leakage area is commonly referred to as the equivalent leakage area (EqLA) and is equivalent to the area of a hole in a thin flat plate with a discharge coefficient of 0.61 at the pressure of interest, P_{ref} .

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(Note: Electronic products and pamphlet reprints may have this errata incorporated. For current information about the NFPA Codes and Standards, including this errata, please see www.nfpa.org/codelist)