

90A

NFPA® 90A

Standard for the Installation
of Air-Conditioning and
Ventilating Systems
Handbook 2015



NFPA®, 1 Batterymarch Park, Quincy, MA 02169-7471, USA
An International Codes and Standards Organization

This is a preview. [Click here to purchase the full publication.](#)

NFPA® 90A Standard for the Installation of Air-Conditioning and Ventilating Systems Handbook 2015

Second Edition

Annotated by Allan Fraser



NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471
An International Codes and Standards Organization



Copyright © 2014
National Fire Protection Association®
One Batterymarch Park
Quincy, Massachusetts 02169-7471

All rights reserved.

About this *Handbook Edition*

This PDF contains the complete 2015 edition of NFPA 90A, *Standard for the Installation of Air-Conditioning and Ventilating Systems*, annotated to assist the reader's understanding of the standard's language and the intent behind it. The annotations are not part of the NFPA Standard but provide a valuable commentary reflecting the views, explanations, and insights of authors and contributors selected by the NFPA based on their knowledge of and experience with the standard.

How to Navigate Between the Text of the Standard and the Annotations

Navigate between code or standard text and annotations by using hyperlinked icons and code numbers.

- While in code or standard text, click on hyperlinked ▲ icon* to the left of the standard section to navigate to corresponding annotations.
- Click on the hyperlinked annotative standard section number 1.1 to return to previous standard section.

**Please note, only the sections featuring icons contain annotations.*

For longer blocks of annotations, it is recommended that you enable the back arrow functionality in Acrobat's page navigation menu, which will also allow you to return to the previous standard section.

How to Ensure You Have the Most Up-to-date Version of the NFPA Standard

The NFPA Standard, in the edition contained herein, is current as of the effective date designated at the time the standard was issued [2015]. This *Handbook Edition* does not, however, include errata, tentative interim amendments (TIAs), or formal interpretations (FIs) that may have been issued after the effective date. For all errata, TIAs, or FIs that may have been issued since the effective date, or for any new editions that may have superseded this edition, please visit the "Document Information pages" link for the relevant NFPA Standard located in the "Codes & Standards" section of www.nfpa.org, or subscribe to the National Fire Codes Subscription Service [www.codesonline.nfpa.org].

IMPORTANT NOTICES AND DISCLAIMERS CONCERNING NFPA® STANDARDS

NOTICE AND DISCLAIMER OF LIABILITY CONCERNING THE USE OF NFPA STANDARDS

NFPA® codes, standards, recommended practices, and guides ("NFPA Standards"), of which the standard contained herein is one, are developed through a consensus standards development process approved by the American National Standards Institute. This process brings together volunteers representing varied viewpoints and interests to achieve consensus on fire and other safety issues. While the NFPA administers the process and establishes rules to promote fairness in the development of consensus, it does not independently test, evaluate, or verify the accuracy of any information or the soundness of any judgments contained in NFPA Standards.

The NFPA disclaims liability for any personal injury, property or other damages of any nature whatsoever, whether special, indirect, consequential or compensatory, directly or indirectly resulting from the publication, use of, or reliance on NFPA Standards. The NFPA also makes no guaranty or warranty as to the accuracy or completeness of any information published herein.

In issuing and making NFPA Standards available, the NFPA is not undertaking to render professional or other services for or on behalf of any person or entity. Nor is the NFPA undertaking to perform any duty owed by any person or entity to someone else. Anyone using this standard should rely on his or her own independent judgment or, as appropriate, seek the advice of a competent professional in determining the exercise of reasonable care in any given circumstances.

The NFPA has no power, nor does it undertake, to police or enforce compliance with the contents of NFPA Standards. Nor does the NFPA list, certify, test, or inspect products, designs, or installations for compliance with this standard. Any certification or other statement of compliance with the requirements of this standard shall not be attributable to the NFPA and is solely the responsibility of the certifier or maker of the statement.

ADDITIONAL NOTICES AND DISCLAIMERS

Updating of NFPA Standards

Users of NFPA codes, standards, recommended practices, and guides (“NFPA Standards”) should be aware that these standards may be superseded at any time by the issuance of new editions or may be amended from time to time through the issuance of Tentative Interim Amendments. An official NFPA Standard at any point in time consists of the current edition of the standard together with any Tentative Interim Amendments and any Errata then in effect. In order to determine whether a given standard is the current edition and whether it has been amended through the issuance of Tentative Interim Amendments or corrected through the issuance of Errata, consult appropriate NFPA publications such as the National Fire Codes® Subscription Service, visit the NFPA website at www.nfpa.org, or contact the NFPA at the address listed below.

Interpretations of NFPA Standards

A statement, written or oral, that is not processed in accordance with Section 6 of the Regulations Governing Committee Projects shall not be considered the official position of NFPA or any of its Committees and shall not be considered to be, nor be relied upon as, a Formal Interpretation.

Patents

The NFPA does not take any position with respect to the validity of any patent rights referenced in, related to, or asserted in connection with an NFPA Standard. The users of NFPA Standards bear the sole responsibility for determining the validity of any such patent rights, as well as the risk of infringement of such rights, and the NFPA disclaims liability for the infringement of any patent resulting from the use of or reliance on NFPA Standards.

NFPA adheres to the policy of the American National Standards Institute (ANSI) regarding the inclusion of patents in American National Standards (“the ANSI Patent Policy”), and hereby gives the following notice pursuant to that policy:

NOTICE: The user’s attention is called to the possibility that compliance with an NFPA Standard may require use of an invention covered by patent rights. NFPA takes no position as to the validity of any such patent rights or as to whether such patent rights constitute or include essential patent claims under the ANSI Patent Policy. If, in connection with the ANSI Patent Policy, a patent holder has filed a statement of willingness to grant licenses under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license, copies of such filed statements can be obtained, on request, from NFPA. For further information, contact the NFPA at the address listed below.

Laws and Regulations

Users of NFPA Standards should consult applicable federal, state, and local laws and regulations. NFPA does not, by the publication of its codes, standards, recommended practices, and guides, intend to urge action that is not in compliance with applicable laws, and these standards may not be construed as doing so.

Copyrights

NFPA Standards are copyrighted by the NFPA. They are made available for a wide variety of both public and private uses. These include both use, by reference, in laws and regulations, and use in private self-regulation, standardization, and the promotion of safe practices and methods. By making these standards available for use and adoption by public authorities and private users, the NFPA does not waive any rights in copyright to these standards.

Use of NFPA Standards for regulatory purposes should be accomplished through adoption by reference. The term “adoption by reference” means the citing of title, edition, and publishing information only. Any deletions, additions, and changes desired by the adopting authority

should be noted separately in the adopting instrument. In order to assist NFPA in following the uses made of its standards, adopting authorities are requested to notify the NFPA (Attention: Secretary, Standards Council) in writing of such use. For technical assistance and questions concerning adoption of NFPA Standards, contact NFPA at the address below.

For Further Information

Questions or other communications relating to NFPA Standards and all requests for information on NFPA procedures governing its codes and standards development process, including information on the procedures for requesting Formal Interpretations, for proposing Tentative Interim Amendments, and for proposing revisions to NFPA Standards during regular revision cycles, should be sent to NFPA headquarters, addressed to the attention of the Secretary, Standards Council, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471; email: stds_admin@nfpa.org.

For more information about NFPA, visit the NFPA website at www.nfpa.org.

IMPORTANT NOTICES AND DISCLAIMERS CONCERNING THE HANDBOOK EDITION

Notice and Disclaimer Concerning Liability

Publication of this *Handbook Edition* is for the purpose of circulating information and opinion among those concerned for fire and electrical safety and related subjects. While every effort has been made to achieve a work of high quality, neither the NFPA® nor the contributors to this *Handbook Edition* guarantee the accuracy or completeness of or assume any liability in connection with the information and opinions contained in this *Handbook Edition*. The NFPA and the contributors shall in no event be liable for any personal injury, property, or other damages of any nature whatsoever, whether special, indirect, consequential, or compensatory, directly or indirectly resulting from the publication, use of, or reliance upon this *Handbook Edition*.

This *Handbook Edition* is published with the understanding that the NFPA and the contributors to this *Handbook Edition* are supplying information and opinion but are not attempting to render engineering or other professional services. If such services are required, the assistance of an appropriate professional should be sought.

NFPA codes, standards, recommended practices, and guides (“NFPA Standards”), including the NFPA Standard that is the subject of this *Handbook Edition*, are made available for use subject to Important Notices and Disclaimers Concerning NFPA Standards, which are separately bookmarked and viewable in this *Handbook Edition*, and which can also be viewed at www.nfpa.org/disclaimers.

Notice Concerning Interpretations Contained in the Annotations

NFPA codes, standards, recommended practices, and guides (“NFPA Standards”), including the NFPA Standard that is the subject of this *Handbook Edition* are developed in accordance with the published procedures of the NFPA by technical committees comprised of volunteers drawn from a broad array of relevant interests. In this *Handbook Edition* the text of the NFPA Standard is accompanied with annotations providing explanation and commentary on the meaning and intent of the Standard.

The annotations contained in this *Handbook Edition* are not a part of the NFPA Standard and do not constitute Formal Interpretations of the NFPA (which can be obtained only through requests processed by the responsible technical committees in accordance with the published procedures of the NFPA). The annotations, therefore, solely reflect the personal opinions of the author or other contributors and do not necessarily represent the official position of the NFPA or its technical committees.

ISBN: 978-145591124

This is a preview. [Click here to purchase the full publication.](#)