

USA Standard

for

GAS FILTERS ON APPLIANCES

(Formerly USA Standard Listing Requirements
for Gas Filters on Appliances)

American National Standard

This standard is one of more than 4000 approved as either a USA Standard or as an American Standard. It became an American National Standard in October 1969 when the Institute changed its name to American National Standards Institute, Inc.

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PREFACE

This publication represents a basic standard for safe operation, substantial and durable construction, and acceptable performance for gas filters on appliances. It is the result of years of experience in the utilization of gas, supplemented by extensive research.

Nothing in this standard is to be considered in any way as indicating a measure of quality beyond compliance with the provisions it contains. It is designed to allow compliance of gas filters on appliances, the construction and performance of which may exceed the various provisions specified in any respect. In its preparation, full recognition has been given to possibilities of improvement through ingenuity of design. As progress takes place, modifications may become necessary. When they are believed desirable, recommendations should be forwarded to the Chairman of the USA Standards Committee Z21, American Gas Association, Inc., 605 Third Avenue, New York, N. Y. 10016.

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HISTORY OF THE DEVELOPMENT OF STANDARD FOR GAS FILTERS ON APPLIANCES

Stoppage of constant-burning pilots represents a problem to which much study has been given by the gas industry. The ASA Sectional Committee Z21, after devoting much thought to this question, reached the conclusion some years ago that the matter was of sufficient importance to warrant special study of means for its improvement. Following further study by the industry, it was proposed that all pilot-equipped appliances for manufactured gas be equipped with properly installed devices for protection against rust, gum and other materials. The entire matter was further reviewed by the ASA Sectional Committee Z21 at its October 22, 1941 meeting and the decision reached to conduct an investigation of various gum protective devices and formulate standards covering them.

Following extensive correspondence with gas companies and manufacturers familiar with the gum problem, a detailed study was undertaken by the American Gas Association Testing Laboratories of contemporary types of gum protective devices. Based on the results of these studies, a suggested standard was prepared. This was further discussed at the October 25, 1943 meeting of ASA Sectional Committee Z21 and several suggestions for modifications presented. The decision was also reached that a special group be organized from the membership of the committee to study the matter further and place the standard in final draft form.

Suggestions advanced were embodied in a revised draft standard which was discussed by the Special Subcommittee on Listing Requirements for Gum Protective Devices at its December 14, 1943 meeting and agreement reached on principal details. Following interchange of correspondence between the members, the draft standard as prepared was printed for industry criticism.

As a result of distribution of the proposed draft standard in printed form in May, 1944, a number of comments were received. These were thoroughly considered by the special subcommittee at its July

14, 1944 meeting and necessary modifications agreed upon. The draft standard as revised was then presented to the ASA Sectional Committee Z21 at its October 3, 1944 meeting and adopted. Following approval by the sponsor, the American Gas Association, the proposed text was endorsed as American Standard by the American Standards Association on May 2, 1945.

With the continued growth of the industry, the use of natural gas increased while the use of manufactured gas diminished. This prompted the subcommittee to prepare draft revisions to the standard which at that time covered only gum filters for manufactured gas, to include coverage of dust filter for fuel gases other than manufactured gas. These proposals included changing the designation of these devices from "Gum Protective Devices" to "Gas Filters." Following distribution of these draft revisions for review and comment and reconsideration of the draft revisions by the subcommittee in the light of the comment received, the ASA Sectional Committee Z21 approved the draft revisions at its March 26, 1964 meeting and they were subsequently endorsed as American Standard by the American Standards Association, Inc., on September 18, 1964.

On August 24, 1966, the American Standards Association, Inc., was reconstituted as the United States of America Standards Institute. As a result all former American Standards were retitled USA Standards.

The continued decline in the use of manufactured gas, plus a strong desire by the industry for filtering pilot gas, led the subcommittee to prepare further draft revisions to the standard to cover "universal" type gas filters for all gases rather than covering gum filters and dust filters separately. Following the above procedure, these revisions are included in this, the third edition of the gas filter standard, which was endorsed as USA Standard by the USA Standards Institute on September 15, 1969.

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