



UL 72

STANDARD FOR SAFETY

Tests for Fire Resistance of Record Protection Equipment

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UL Standard for Safety for Tests for Fire Resistance of Record Protection Equipment, UL 72

Sixteenth Edition, Dated April 7, 2015

Summary of Topics

The Sixteenth Edition of the Standard for Tests for Fire Resistance of Record Protection Equipment, UL 72, has been issued to reflect the latest ANSI approval date and to incorporate the proposals dated August 22, 2014, which include the following:

- ***Revisions to update the document with current practices as well as include new diagrams that are helpful to the user in setting up and conducting the testing.***

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 22, 2014.

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Standard for Tests for Fire Resistance of Record Protection Equipment

The First through Ninth editions were titled Standard for Fire Resistance Classification of Record Protection Equipment.

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Sixteenth Edition

April 7, 2015

This ANSI/UL Standard for Safety consists of the Sixteenth Edition.

The most recent designation of ANSI/UL 72 as an American National Standard (ANSI) occurred on April 7, 2015. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements cover the test procedures applicable to the fire-resistance classification of record protection equipment intended to provide protection to one or more types of records when exposed to various durations of fire exposure.

1.2 Record protection equipment consists of self-contained, moveable devices of varying configurations, such as insulated bodies with insulated doors or drawers or lids, nonrated multidrawer devices housing individually rated drawer bodies, and other similar constructions.

1.3 Tests conducted in accordance with these requirements are intended to demonstrate the performance of record protection equipment during exposure to fire, but are not intended to determine acceptability for use after fire exposure.

1.4 Under these requirements, record protection equipment is exposed to a fire endurance test and an explosion test. Equipment intended to provide impact resistance is also exposed to a fire and impact test. The fire endurance test is intended to demonstrate the ability of the device to prevent the development of temperatures and relative humidity (Classes 125 and 150 only) exceeding the specified limits inside the device for the classification desired. The explosion test is intended to demonstrate the ability of the device to withstand a sudden exposure to high temperatures and prevent an explosion of the device from a buildup of steam or other gases. The fire and impact test is intended to demonstrate the ability of the device to protect contents from heat, to the extent described in the requirements, before and after an impact due to falling 30 ft (9.1 m).

1.5 The fire exposures are controlled to achieve specified temperatures throughout a specified time period. These fire test exposures by themselves may not be representative of all fire conditions; conditions may vary with changes in the amount, nature, and distribution of fire loading; the size and fire or nonfire resistive construction of the building; and the location of the device within the building.

1.6 The interior sample temperature and relative humidity limitations applied to the three classes of devices reflect the type of records to be stored in the device. Class 350 rated devices are intended to protect paper records, Class 150 rated devices are intended to protect paper and nonpaper records such as EDP media (magnetic tapes) and photographic records, and Class 125 rated devices are intended to also protect flexible computer disks. However, nonpaper records are not used as contents for the tests described in these requirements since testing to determine the ability of all available nonpaper records to withstand these conditions is not within the scope of these requirements.

1.7 Record protection equipment may incorporate locking devices, but the burglary resistance of such mechanisms is not within the scope of these requirements.