CAN/ULC 112:2026

Standard Method of Fire Test of Fire Damper Assemblies

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Copies of this National Standard of Canada may be ordered from ULC Standards.

CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET ANGLAISE

Standard Method of Fire Test of Fire Damper Assemblies, CAN/ULC 112

Fourth Edition, Dated December 22, 2025

Summary of Topics

This revision of CAN/ULC 112 dated August 24, 2026 includes a clarification to Spring Closing Force Test; 14.1.

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated June 1, 2026.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD. IN THOSE INSTANCES, THE RELEVANT VERSIONS ARE AVAILABLE FOR PURCHASE.

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ICS 13.220.30; 19.040; 91.140.30

ULC Standards
Normes ULC

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First Edition . . . . . March 1982
Second Edition . . . . . July 1990
Third Edition . . . . . June 2010
FOURTH EDITION . . . . . DECEMBER 22, 2025
REVISION . . . . . AUGUST 24, 2026

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ULC Standards

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CONTENTS

ULC STANDARDS COMMITTEE ON FIRE TESTS **7**

PREFACE **9**

INTRODUCTION

1 Scope 11
2 Referenced Publications 11
3 Glossary 12

CONSTRUCTION

4 General 12
5 Heat Responsive Devices 13
6 Sleeves 13
7 Actuators 16
8 Corrosion Protection 16

PERFORMANCE

9 Performance Requirements 17
10 Fire-Endurance and Hose-Stream Test 18
10.1 Test assemblies 18
10.2 Control and conduct of fire tests 18
10.3 Differential pressure 20
10.4 Hose stream test 21
11 Cycling Test 22
12 Rigidity Tests 22
12.1 General 22
12.2 Lateral displacement test 23
12.3 Longitudinal displacement test 23
13 Salt-Spray Exposure Test 23
14 Spring Closing Force Test 24
15 Dynamic Closure Test 24
15.1 General 24
15.2 Method 24
16 Duct Impact Test 26
17 Hydrostatic Strength Test for Pneumatic Actuators 27
18 Installation and Operating Instructions 27
19 Conditions of Acceptance 28

REPORTS

20 General 29

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PREFACE

This is the Fourth Edition of CAN/ULC 112, Standard Method of Fire Test of Fire Damper Assemblies.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Fire Tests.

This Standard has been developed in compliance with the requirements of SCC for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Fourth Edition National Standard of Canada is based on, and now supersedes, the Third Edition.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

This CAN/ULC 112 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

This Standard is intended to be used for conformity assessment.

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INTRODUCTION

1 Scope

1.1 These requirements and methods of test apply to fire damper assemblies rated 3/4 hour, 1 hour, 1-1/2 hours, 2 hours, or 3 hours for use in air-conditioning and ventilating system ducts or openings (without ducts) piercing horizontally or vertically oriented fire separations where the fire separations are required to have a fire resistance rating of not more than 4 hours.

1.2 These fire damper assemblies are intended for installation in accordance with the provincial or municipal building regulations that are based on the National Building Code of Canada.

1.3 Tests made in conformity with these test methods will register performance during the fire-test exposure under laboratory conditions; but such tests shall not be construed as determining suitability for use after exposure to fire.

1.4 It is the intent that tests made in conformity with these test methods will develop data to enable regulatory bodies to determine the suitability of damper assemblies for use in locations where fire resistance of a specified duration is required.

1.5 Fire dampers are evaluated for use as either:

a) Fire Dampers for Static Systems – For HVAC systems that are automatically shut down in the event of a fire or for air transfer openings in walls or partitions;

b) Fire Dampers for Dynamic Systems – For HVAC systems that are operational in the event of a fire.

1.6 A product whose features, characteristics, components, materials, or systems conflict with specific requirements or provisions of this Standard does not comply with this Standard.

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 The following publications are referenced in this Standard:

AMCA Standard 500-D-98, *Laboratory Methods for Testing Dampers for Rating*

ASTM A313/A313M-02 (E2003), *Standard Specification for Stainless Steel Spring Wire*

ASTM A653/A653M-06 REVA, *Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process*

ASTM A792/A792M-05, *Standard Specification for Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated by the Hot-Dip Process*

ASTM A90/A90M-06, *Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings*

ASTM B117-03, *Standard Practice for Operating Salt Spray (Fog) Apparatus*

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