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NATIONAL STANDARD

ANSI/CAN/UL/ULC 1091:2022

STANDARD FOR SAFETY

Butterfly Valves for Fire-Protection Service

Approved American National Standard
ANSI
ANSI/UL 1091-2022

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SCC FOREWORD

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UL Standard for Safety for Butterfly Valves for Fire-Protection Service, ANSI/CAN/UL/ULC 1091

Seventh Edition, Dated April 20, 2022

Summary of Topics

The Seventh Edition of ANSI/CAN/UL/ULC 1091 dated April 20, 2022 has been issued to reflect the latest ANSI and SCC approval dates and to incorporate the proposal dated September 30, 2019.

The requirements are substantially in accordance with Proposal(s) on this subject dated September 30, 2019.

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Standard for Butterfly Valves for Fire-Protection Service

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Seventh Edition

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This ANSI/CAN/UL/ULC Safety Standard consists of the Seventh Edition.

The most recent designation of ANSI/UL 1091 as an American National Standard (ANSI) occurred on April 20, 2022. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This standard has been designated as a National Standard of Canada (NSC) on April 20, 2022.

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Preface

This is the Seventh Edition of ANSI/CAN/UL/ULC 1091, Standard for Butterfly Valves for Fire-Protection Service.

UL is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO). ULC Standards is accredited by the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

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

This ANSI/CAN/UL/ULC 1091 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of ANSI and 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.

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.

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 On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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This Edition of the Standard has been formally approved by the UL Standards Technical Panel (STP) on Hydrants, Gate, And Butterfly Valves For Fire Protection Service, STP 262.

This list represents the STP 262 membership when the final text in this standard was balloted. Since that time, changes in the membership may have occurred.

STP 262 Membership

Name	Represent	Interest Category	Region
Donald Bastarache	Clow Canada	Producer	Canada
Ken Bush	Office of the Maryland State Fire Marshal	AHJ/Regulator	USA
Theodore Harbour	Mueller Water Products	Producer	USA
Jeff Hebenstreit	UL LLC	Testing & Stds Org	USA
Svetlana Nichel	City Of Mississauga	AHJ/Regulator	Ontario
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Robert Vincent	Shambaugh & SON INC	Supply Chain	USA
Jeffrey Zwirn	IDS Research Development Inc	General	USA
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This Standard is intended to be used for conformity assessment.

The intended primary application of this standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for this particular application.

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INTRODUCTION

1 Scope

1.1 These requirements cover butterfly valves intended for use in piping systems supplying water for fire-protection service.

1.2 The valves covered by these requirements are intended for installation and use in accordance with the Standards for:

a) Low, Medium and High Expansion Foam, NFPA 11;

b) Installation of Sprinkler Systems, NFPA 13;

c) Installation of Standpipe and Hose Systems, NFPA 14;

d) Water Spray Fixed Systems for Fire Protection, NFPA 15;

e) Foam-Water Sprinkler and Foam-Water Spray Systems, NFPA 16;

f) Installation of Stationary Pumps for Fire Protection, NFPA 20;

g) Water Tanks for Private Fire Protection, NFPA 22; and

h) Installation of Private Fire Service Mains and Their Appurtenances, NFPA 24.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component.

2.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or

b) Is superseded by a requirement in this standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

3 Units of Measurement

3.1 Where values of measurement are specified in both SI and U.S. Customary units, it is the responsibility of the user of this standard to determine the unit of measurement appropriate for the user's needs.

4 Referenced Publications

4.1 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.

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