CAN/ULC 605:2022

STANDARD FOR GAS VENTS

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ULC STANDARDS
Telephone: (613) 755-2729
E-mail: ULCStandards@ul.com

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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 for Gas Vents, CAN/ULC 605

Fifth Edition, Dated April 7, 2022

Summary of Topics

This new edition of CAN/ULC 605 dated April 7, 2022 has been issued to reflect the latest SCC approval dates, and to incorporate the proposals dated May 14, 2021 and July 23, 2021.

The requirements are substantially in accordance with Proposal(s) on this subject dated May 14, 2021 and July 23, 2021.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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CAN/ULC 605:2022

STANDARD FOR GAS VENTS

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ULC STANDARDS COMMITTEE ON FACTORY-BUILT FIREPLACES, CHIMNEYS AND VENTS

NAME	AFFILIATION	CATEGORY	REGION
J. Wade (Acting Chair)	ULC Standards	Non-Voting	Canada
G. Wintonic (Chair)	ULC Standards	Non-Voting	Canada
E. Adair	Hearth, Patio & Barbecue Association (HPBA)	General Interest	USA
J. Brania	UL LLC	Testing & Stds Org	USA
M. Brunt	Z-Flex Inc.	General Interest	Canada
Q. Choudry	Office of the Ontario Fire Marshal	Regulator	Ontario
E. Dufour	Security Chimneys International Ltd.	Producer	Canada
G. Faber	SCM Risk Management Services	General Interest	Canada
Z. Gadomski	Wood Energy Technicians Of British Columbia (WETBC)/Hearth Patio & Barbecue Association Canada (HPBAC)	User	Canada
L. Gill	IPEX Management Inc.	Producer	USA
M. Harwood	IV3CUS/IV3 Solutions	General Interest	Canada
M. Kulik	Technical Standards and Safety Authority (TSSA)	Regulator	Ontario
E. Lamy	Industrial Chimney Company (ICC)	Producer	Canada
A. Marcakis	Association des professionnels du chauffage (APC)	User	Quebec
H. Nagtegaal	Winnipeg Chimney Service Inc.	User	Canada
B. Yanik	SITE	User	Canada
B. Zeigler	Intertek	Testing & Stds Org	USA
L. Cleroux (Associate Member)	Industrial Chimney Company Inc.	Non-Voting	Canada
S. Khrebtov (Project Manager)	ULC Standards	Non-Voting	Canada
S. Scott (Associate Member)	North American Pipe, A Westlake Chemical Co, Div of Royal Pipe & Fittings	Non-Voting	Canada
M. Skierkiewicz (Associate Member)	UL LLC	Non-Voting	USA
R. Zimmerman (Associate Member)	UL LLC	Non-Voting	Canada

This list represents the membership at the time the Committee balloted on the final text of this edition. Since that time, changes in the membership may have occurred.

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ULC STANDARDS SUBCOMMITTEE ON CHIMNEYS AND VENTS

MEMBER	REPRESENTING
E. Adair	Hearth, Patio & Barbecue Association (HPBA) USA
M. Bertler	M&G Duravent Inc., USA
M. Brunt	Z-Flex Inc., Canada
L. Cleroux	ICC Industrial Chimney, Canada
E. Dufour	Security Chimneys International Ltd., Canada
Z. Gadomski	Wood Energy Technicians Of British Columbia (WETBC)/Hearth Patio & Barbecue Association Canada (HPBAC), Canada
M. Kulik	Technical Standards and Safety Authority, Canada
G. Nicholls	Don Park Inc., Ontario
P. Vesik	ECCO Manufacturing, Canada

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PREFACE

This is the Fifth Edition of the Standard for Gas Vents, CAN/ULC 605.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Factory-Built Fireplaces, Chimneys and Vents.

This Standard has been developed in compliance with the requirements of Standards Council of Canada (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 Fifth Edition National Standard of Canada is based on, and now supersedes, the Fourth 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.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This CAN/ULC 605 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 On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com/canada.

This Standard is intended to be used for conformity assessment.

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INTRODUCTION

1 Scope

1.1 The requirements of this Standard cover the design and construction of Type B (round or oval) and Type BW Gas Vents.

1.2 Type B Gas Vents are intended for the venting of flue gases having temperatures not exceeding 245 °C, from gas fired appliances certified with draft hoods or diverters. Type B Gas Vents are also intended for use with gas fired appliances, without draft hoods or diverters, which meet all of the following requirements:

a) The appliance is certified for use with a Type B Gas Vent;

b) Flue gas temperatures normally exceed 135 °C but do not exceed 245 °C;

c) The vent normally operates below atmospheric pressure; and

d) Condensation of flue gas products is not normally expected within the vent.

1.3 Type BW Gas Vents are intended for the venting of flue gases from recessed gas fired wall furnaces. The maximum input to a Type BW Gas Vent is determined by the maximum input of the vented wall furnace to which the Type BW Vent is intended to be connected.

1.4 Vents covered by this Standard are intended for installation in accordance with applicable Codes, such as:

a) The National Building Code of Canada; and

b) The Natural Gas and Propane Installation Code, CSA B149 Series.

1.5 The vents are intended primarily for installation inside buildings to provide an essentially vertical conduit or passageway for conveying flue gases to the outer air from the above described class of appliances. They may be used on the exterior of buildings when enclosed and specifically tested for such an application.

2 Referenced Publications

2.1 The documents shown below are referenced in the text of this Standard. 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.

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

CSA B149.1, *Natural Gas and Propane Installation Code*

CSA C22.2 No. 0.15, *Adhesive Labels*

National Building Code Canada

UL 969, *Marking and Labeling Systems*

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