

CGA C-11—2013

**PRACTICES FOR INSPECTION OF
COMPRESSED GAS CYLINDERS
AT TIME OF MANUFACTURE**

FIFTH EDITION



This is a preview. [Click here to purchase the full publication.](#)

PLEASE NOTE:

The information contained in this document was obtained from sources believed to be reliable and is based on technical information and experience currently available from members of the Compressed Gas Association, Inc. and others. However, the Association or its members, jointly or severally, make no guarantee of the results and assume no liability or responsibility in connection with the information or suggestions herein contained. Moreover, it should not be assumed that every acceptable commodity grade, test or safety procedure or method, precaution, equipment or device is contained within, or that abnormal or unusual circumstances may not warrant or suggest further requirements or additional procedure.

This document is subject to periodic review, and users are cautioned to obtain the latest edition. The Association invites comments and suggestions for consideration. In connection with such review, any such comments or suggestions will be fully reviewed by the Association after giving the party, upon request, a reasonable opportunity to be heard. Proposed changes may be submitted via the Internet at our web site, www.cganet.com.

This document should not be confused with federal, state, provincial, or municipal specifications or regulations; insurance requirements; or national safety codes. While the Association recommends reference to or use of this document by government agencies and others, this document is purely voluntary and not binding unless adopted by reference in regulations.

A listing of all publications, audiovisual programs, safety and technical bulletins, and safety posters is available via the Internet at our website at www.cganet.com. For more information contact CGA at Phone: 703-788-2700, ext. 799. E-mail: customerservice@cganet.com.

Work Item 10-029
Cylinder Specifications Committee

NOTE—Technical changes from the previous edition are underlined.

NOTE—Appendices A through H (Normative) are requirements.

FIFTH EDITION: 2013
FOURTH EDITION: 2006
THIRD EDITION: 2001
SECOND EDITION: 1983

© 2013 The Compressed Gas Association, Inc. All rights reserved.

All materials contained in this work are protected by United States and international copyright laws. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical including photocopying, recording, or any information storage and retrieval system without permission in writing from The Compressed Gas Association, Inc. All requests for permission to reproduce material from this work should be directed to The Compressed Gas Association, Inc., 14501 George Carter Way, Suite 103, Chantilly VA 20151. You may not alter or remove any trademark, copyright or other notice from this work.

Contents	Page
1 Introduction.....	1
2 Scope and purpose	1
2.1 Scope	1
2.2 Purpose	1
3 Definitions.....	1
4 Qualifications of the certifying inspector	2
5 Inspection requirements—seamless cylinders	3
5.1 Duties of certifying inspector	3
5.2 Inspection practices	4
6 Inspection requirements—welded and brazed cylinders	7
6.1 Duties of certifying inspector	7
6.2 Inspection practices	7
7 Inspection requirements—nonrefillable cylinders	10
7.1 Duties of certifying inspector	10
7.2 Inspection practices	11
8 Inspection requirements—composite cylinders	12
8.1 Duties of certifying inspector	13
8.2 Inspection practices	13
9 References	15
 Appendices	
Appendix A—Certificate of compliance and test report—seamless cylinders (Normative)	16
Appendix B—Certificate of compliance and test report— welded or brazed cylinders (Normative).....	17
Appendix C—Certificate of compliance and test report— completed acetylene cylinders (Normative)	18
Appendix D—Record of chemical analysis of material for cylinders (typical form) (Normative).....	19
Appendix E—Record of physical test of material for cylinders (typical form) (Normative)	20
Appendix F—Record of hydrostatic tests of cylinders (typical form) (Normative)	21
Appendix G—Record of hydrostatic tests of cylinders (sample basis) (typical form) (Normative)	22
Appendix H—Inspection report covering the manufacture of specification U.S. DOT-39/TC-39M cylinders or spheres (Normative).....	23

This page is intentionally blank.