
**Gas cylinders — Valve protection caps
and guards — Design, construction
and tests**

*Bouteilles à gaz — Chapeaux fermés et chapeaux ouverts de
protection des robinets — Conception, construction et essais*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements for valve protection cap and valve guard	2
4.1 Valve protection cap	2
4.2 Valve guard	5
4.3 Cylinder neck ring dimensions	6
5 Pictorial examples of valve protection devices	10
6 Materials	11
7 Type testing	11
7.1 General	11
7.2 Documentation	12
7.3 Test samples	12
7.4 Preliminary check	13
7.5 Torque test	13
7.6 Vertical pull test	13
7.7 Drop test	13
8 Marking	15
9 Test report	16
Bibliography	17