
**Fire protection — Automatic sprinkler
systems —**

**Part 17:
Requirements and test methods for
pressure reducing valves**

*Protection contre l'incendie — Systèmes d'extinction automatiques du
type sprinkler —*

Partie 17: Exigences et méthodes d'essai pour les détendeurs

Document Preview

ISO 6182-17:2020

<https://standards.iteh.ai/catalog/standards/iso/7649e671-90fc-4241-8a6e-751e97b3f6e3/iso-6182-17-2020>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 6182-17:2020

<https://standards.iteh.ai/catalog/standards/iso/7649e671-90fc-4241-8a6e-751e97b3f6e3/iso-6182-17-2020>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	2
4.1 Nominal sizes and tolerances	2
4.2 Connections	2
4.3 Rated working pressure	3
4.4 Body and cover	3
4.5 Strength (see 6.4)	3
4.6 Access for maintenance	4
4.7 Components	4
4.8 Leakage and deformation (6.3)	5
4.9 Non-metallic components (excluding gaskets, diaphragms, seals and other elastomeric parts) (see 6.5 and 6.6)	5
4.10 Sealing assembly elements (see 6.7)	5
4.11 Clearances	5
4.12 Operation (see 6.8)	5
4.13 Static leakage (see 6.9)	6
4.14 Durability (see 6.10)	6
5 Production testing and quality control	6
6 Tests	6
6.1 Samples	6
6.2 Spring and diaphragm	6
6.2.1 Spring	6
6.2.2 Diaphragm	7
6.3 Leakage and deformation (see 4.8)	7
6.3.1 Body leakage (see 4.8.1)	7
6.3.2 Sealing assembly (see 4.8.2)	7
6.3.3 Stem seal and repacking leakage (see 4.8.3)	7
6.4 Strength (see 4.5)	7
6.4.1 Body (see 4.5.1)	7
6.4.2 Diaphragms (see 4.5.2)	7
6.5 Warm-water ageing test for non-metallic components (excluding gaskets, seals and other elastomeric components) (see 4.9)	7
6.6 Air ageing test for non-metallic components (excluding gaskets, seals and other elastomeric components) (see 4.9)	8
6.7 Sealing element tests (see 4.10)	8
6.8 Operation (see 4.12)	9
6.9 Static leakage (90 days) (see 4.13)	9
6.10 Durability (see 4.14)	10
7 Marking	10
8 Manufacturer's installation instructions	10
Annex A (normative) Tolerances	12
Bibliography	13