
**Fire protection — Automatic sprinkler
systems —**

**Part 16:
Requirements and test methods for
fire pump relief valves**

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

[ISO 6182-16:2020](https://standards.itih.ai/catalog/standards/iso/a0dca840-6f59-4dd5-96db-89d8f8a493fb/iso-6182-16-2020)

<https://standards.itih.ai/catalog/standards/iso/a0dca840-6f59-4dd5-96db-89d8f8a493fb/iso-6182-16-2020>



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

[ISO 6182-16:2020](https://standards.iteh.ai/catalog/standards/iso/a0dca840-6f59-4dd5-96db-89d8f8a493fb/iso-6182-16-2020)

<https://standards.iteh.ai/catalog/standards/iso/a0dca840-6f59-4dd5-96db-89d8f8a493fb/iso-6182-16-2020>



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
Fax: +41 22 749 09 47
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.....	2
4.4 Body and cover.....	2
4.5 Body strength (see 6.4).....	3
4.6 Access for maintenance.....	3
4.7 Components.....	3
4.8 Leakage and deformation (see 6.3).....	4
4.9 Non-metallic components (excluding gaskets, diaphragms, seals and other elastomeric parts).....	4
4.10 Sealing assembly elements (see 6.7).....	4
4.11 Clearances.....	4
4.12 Operation and reseal (see 6.8).....	4
4.13 Flow capacity (see 6.9).....	4
4.14 Endurance (see 6.10).....	5
5 Production testing and quality control	5
6 Tests	5
6.1 Samples.....	5
6.2 Spring and diaphragm test (see 4.7.6 and 4.7.7).....	6
6.3 Leakage and deformation (see 4.8).....	6
6.3.1 Body leakage.....	6
6.3.2 Sealing assembly.....	6
6.4 Body strength (see 4.5).....	6
6.5 Warm-water ageing test for non-metallic components (excluding gaskets, seals and other elastomeric components).....	6
6.6 Air ageing test for non-metallic components (excluding gaskets, seals and other elastomeric components).....	7
6.7 Sealing element tests (see 4.10).....	7
6.8 Operational and reseal (see 4.12).....	8
6.9 Flow capacity (see 4.13).....	8
6.10 Endurance test (see 4.14).....	8
7 Marking	8
8 Manufacturer's installation instructions	9
Annex A (normative) Tolerances	10
Bibliography	11