

ISO 6182-16:2020-05 (E)

Fire protection - Automatic sprinkler systems - Part 16: Requirements and test methods for fire pump relief valves

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