

# ISO 6182-5:2012-12 (E)

## Fire protection - Automatic sprinkler systems - Part 5: Requirements and test methods for deluge valves

---

Contents		Page
Foreword .....		iv
1 Scope .....	1	1
2 Normative references .....		1
3 Terms and definitions .....		1
4 Requirements .....		4
4.1 Nominal sizes .....		4
4.2 Connections .....		4
4.3 Rated working pressure .....		4
4.4 Body and cover .....		4
4.5 Strength (see 6.8) .....		5
4.6 Access for maintenance .....		5
4.7 Components .....		5
4.8 Leakage (see 6.7) .....		6
4.9 Non-metallic components (excluding gaskets, diaphragms, seals and other elastomeric parts) (see 6.4 & 6.5) .....		6
4.10 Sealing assembly elements (see 6.3) .....		6
4.11 Clearances .....		6
4.12 Hydraulic friction loss (see 6.6) .....		8
4.13 Endurance (see 6.10) .....		9
4.14 Operational performance (see 6.9) .....		9
4.15 Drains .....		9
4.16 Alarms .....		10
4.17 Valve impairment .....		10
4.18 Height limitations of wet pilot lines .....		10
5 Production testing and quality control .....		11
6 Tests .....		11
6.1 Samples .....		11
6.2 Spring and diaphragm test .....		11
6.3 Sealing element tests (see 4.10) .....		11
6.4 Warm-water ageing test for non-metallic components (excluding gaskets and seals and other elastomeric parts) (see 4.9) .....		12
6.5 Air ageing test for non-metallic components (excluding gaskets and seals and other elastomeric parts) (see 4.9) .....		12
6.6 Hydraulic friction loss test (see 4.12) .....		13
6.7 Valve leakage and deformation test (see 4.8) .....		13
6.8 Body strength test (see 4.5) .....		13
6.9 Operational test (see 4.14) .....		13
6.10 Endurance test (see 4.13) .....		15
6.11 Anti-reseating test (see 4.7.7) .....		15
6.12 Salt mist corrosion test .....		15
7 Marking .....		16
8 Manufacturer's installation instructions .....		17

<b>Annex A (normative) Tolerances .....</b>	<b>18</b>
<b>Bibliography .....</b>	<b>19</b>