

# ISO 7076-3:2016-07 (E)

## Fire protection - Foam fire extinguishing systems - Part 3: Medium expansion foam equipment

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Requirements .....</b>	<b>2</b>
4.1	Connections .....	2
4.1.1	Permanent connections and joints .....	2
4.1.2	Bolting of pressure-retaining parts .....	2
4.2	Parts for removal during routine field maintenance .....	2
4.2.1	Removal .....	2
4.2.2	Re-assembly .....	2
4.3	Corrosion resistance of metal parts .....	2
4.4	Elastomeric joint rings .....	3
4.4.1	General .....	3
4.4.2	Resistance to aging .....	3
4.4.3	Resistance to exposure to liquids .....	3
4.5	Plastics and reinforced resin materials .....	3
4.5.1	General .....	3
4.5.2	Resistance to ageing .....	3
4.5.3	Resistance to exposure to liquids .....	4
4.6	Strength .....	4
4.7	Leak resistance .....	4
4.8	Discharge coefficient (K factor) .....	4
4.9	Foam quality .....	4
4.10	Water flow .....	5
4.11	Operation reliability .....	5
4.12	Stress corrosion .....	5
4.13	Salt-spray corrosion .....	5
4.14	Light and water exposure .....	5
4.15	Heat and fire resistance .....	5
<b>5</b>	<b>Test methods .....</b>	<b>5</b>
5.1	General .....	5
5.2	Ageing test for plastics and reinforced resin materials .....	6
5.3	Liquid exposure test .....	6
5.4	Equipment pressurization test .....	6
5.5	Leak resistance test .....	6
5.6	Flow coefficient measurement .....	6
5.7	Measurement of expansion ratio and drainage time .....	6
5.8	Water flow test .....	7
5.9	Operation reliability test .....	7
5.10	Stress corrosion test .....	7
5.11	Salt-spray corrosion test .....	8
5.12	Light and water exposure test .....	8
5.13	Heat and fire resistance test .....	8
<b>6</b>	<b>Marking .....</b>	<b>8</b>

<b>7</b>	<b>Manufacturer's installation and operation instructions .....</b>	<b>9</b>
	<b>Annex A (normative) Tolerances .....</b>	<b>10</b>
	<b>Bibliography .....</b>	<b>11</b>