

**AMENDMENT NO. 1 JULY 2024**

**TO**

**IS 15683 : 2018 PORTABLE FIRE EXTINGUISHERS — PERFORMANCE AND  
CONSTRUCTION — SPECIFICATION**

*( First Revision )*

*(Page 1, clause 3.6)* — Substitute the following for the existing:

**‘3.6 Maximum Service Pressure ( $P_{ms}$ )** — Equilibrium pressure developed in a normally charged and pressurized extinguisher which is conditioned at  $60\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$  for at least 18 h.’

*[Page 2, clause 5.3.2(d)]* — Substitute the following for the existing:

‘Carbon dioxide extinguishers : - 5 percent to 0 percent by mass;’.

*[Page 2, clause 5.3.3(c)]* — Insert the following note after the clause:

‘NOTE — For Class D fire, only 9 kg capacity of fire extinguisher shall be used.’

*[Page 11, Table 7, col (4), title]* — Substitute ‘litre’ for ‘l’.

*(Page 11, clause 8.5.1, line 3)* — Substitute ‘9 kg’ for ‘10 kg’.

*(Page 17, clause 9.2.4, line 3)* — Substitute ‘500 cycles’ for ‘5 000 cycles’.

*(Page 18, clause 9.4.2)* — Insert the following at the end:

‘Hook shall be capable of withstanding a static load of five times the fully charged mass of extinguisher when tested in accordance with 9.4.4.’

*(Page 19, clause 9.5.6)* — Insert the following new clause at the end:

**‘9.5.7** Minimum torque value for tightening the cap of extinguisher shall be declared by the manufacturer and it shall be mentioned in the operation manual.’

*(Page 21, clause 9.11.2)* — Substitute the following for the existing:

**‘9.11.2 Calibration/Checking/Verification Test for Pressure Gauges and Indicators**

The error of a pressure gauge at the indicated service pressure ( $P_s$ ) shall not exceed  $\pm 4$  percent of the service pressure. The error at the upper and lower limits of the operable range shall not exceed  $\pm 4$  percent of the service pressure for powder and water-based extinguisher gauges and  $\pm 8$  percent of the charging pressure for clean agent extinguisher gauges. At the zero-pressure mark, the error shall not exceed - 0 percent to + 12 percent of the service pressure ( $P_s$ ). At the maximum indicated pressure, the error shall not exceed  $\pm 15$  percent of the service pressure ( $P_s$ ). Calibrate pressure gauge from a NABL accredited lab or in-house with the help of dead weight gauge tester or a piping apparatus with a calibrated master gauge.’

*(Page 21, clause 10.1, line 2)* — Substitute the following for the existing:

‘A small band of distinguishing colour of approx 5 percent/prominent of surface area shall be painted or labelled (as per IS 17917) for different type of extinguishers as given below:’

**Price Group 1**

**Amendment No. 1 to IS 15683 : 2018**

(Page 25, Annex A) — Substitute the following for the existing:

<i>IS No.</i>	<i>Title</i>
IS 4308 : 2019	Dry chemical powders for fire fighting — BC, ABC and D types — Specification ( <i>third revision</i> )
IS 17917 : 2022	Pressure sensitive adhesive films for general industrial applications — Specification’.

(CED 22)

---

Publication, BIS, New Delhi