

DIN EN 1866-2:2014-07 (E)

Mobile fire extinguishers - Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers, with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1

Contents	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Symbols and abbreviations	5
5 Materials	6
6 Design and prototype testing	6
6.1 Calculation design method	6
6.2 Experimental design method	6
6.3 Prototype testing	7
6.4 Macroscopic examination	8
6.5 Attached parts	8
6.6 Overfill pressure test	8
6.7 Requirements for components subject to pressure	8
6.8 Hose assembly and attached components	8
6.9 Propellant gas cylinders	9
7 Manufacturing	9
7.1 General requirements	9
7.2 Welded and brazed parts	9
7.3 Traceability	9
7.4 Marking	10
8 Inspection and testing during manufacturing	10
8.1 Assemblies	10
8.2 Extinguisher bodies	10
8.3 Accessories and fittings (excluding pressure relief devices)	11
8.4 Final inspection	11
Annex A (informative) Classification of the different parts of an extinguisher subject to internal pressure	12
Annex B (normative) Specifications for plastics components (except hoses, pistols and nozzles) ...	13
B.1 General	13
B.2 Requirements for plastics components subject to pressure	13
Annex C (normative) Pressures and temperatures	16
Annex D (normative) Overfill Pressure Test	17
Annex E (normative) Test for burst pressure of hose assembly and attached components	18

Annex F (normative) Propellant gas cylinders	19
F.1 General requirements	19
F.2 Cylinder	19
F.3 Cylinder valve	19
F.4 Marking	19
Annex G (normative) Materials - quality control documents	21
Annex ZA (informative) Relationship between this European Standard and the essential requirements of EU Directive 97/23/EC	22