

ISO/TS 21985:2022-02 (E)

Light gauge metal containers - Non-refillable LPG cartridges - General requirements

Contents	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Gas filled in cartridge	2
4.1 Composition	2
4.2 Nominal LPG capacity	3
4.3 Odour	3
5 Construction and design	3
5.1 Construction	3
5.2 Design	3
5.2.1 Dimensions of cartridge and cartridge valve	3
5.2.2 Compressive (stroke) dimension and initial injection stroke of cartridge valve	5
6 Material	6
6.1 Material of cartridge body	6
6.2 Material of cartridge stem	6
7 Performance	6
8 Test methods	7
8.1 Test condition	7
8.2 Test instruments and apparatus	7
8.3 Tests for construction, design, material and performance	7
8.3.1 General	7
8.3.2 Vibration test	7
8.3.3 Drop test	7
8.3.4 Gas resistance test	8
8.3.5 Ozone resistance test	8
8.3.6 Gas tightness test	8
8.3.7 Pressure resistance test	8
8.3.8 Stem functioning load test	9
8.3.9 Repeated use test	9
8.3.10 LPG composition test	9
8.3.11 Filled LPG mass test	9
8.3.12 Test of compressive (stroke) dimension and initial injection stroke dimension of cartridge valve	10
8.3.13 Initial partial air pressure test	10
8.3.14 Valve flow rate test	10
8.3.15 Flange strength test	11
9 Marking	12
Annex A (normative) Specific regional requirements	13
Annex B (informative) Burst prevention device for non-refillable LPG cartridges	15