

DIN EN 13807:2026-09 (E)

Transportable gas cylinders - Battery vehicles and multiple-element gas containers (MEGCs) - Design, manufacture, identification and testing

Contents

Page

European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Design	9
4.1 General	9
4.2 Mounting	10
4.2.1 Stability (for battery vehicles only)	10
4.2.2 Fastening and attachment of pressure receptacles to a chassis	10
4.2.3 Pressure receptacle supports	10
4.2.4 Impact protection	11
4.3 Pressure receptacle shells	11
4.4 Valves and fittings	12
4.5 Manifold	12
4.6 Main valve(s)/connection(s)	14
4.7 Total assembly	15
5 Manufacturing	15
6 Identification	16
6.1 General	16
6.2 Product and hazard identification	16
6.3 Filling identification	16
7 Type approval, initial inspection and testing	16
7.1 General	16
7.2 Type approval of battery vehicle or MEGC	17
7.2.1 Design check of the battery vehicle or MEGC	17
7.2.2 Testing of the manifold and battery vehicle or MEGC	17
7.2.3 Flame resistance of tarpaulin (if any)	17
7.2.4 Conductivity of tarpaulin	17
7.3 Initial inspection of fully assembled battery vehicle or MEGC	17
7.3.1 General	17
7.3.2 Manifold	18
7.3.3 Fully assembled battery vehicle or MEGC	18
7.3.4 Identification	18
8 Documentation	18
Annex A (normative) Specific requirements for dissolved acetylene battery vehicles	20
Annex B (informative) Marking of battery vehicles and MEGCs	25
Annex C (informative) Recommendations for evaluation excitation frequency of manifold	28
Bibliography	29