

DIN EN 16617:2015-07 (E)

Pipework - Corrugated metal hose assemblies for combustible gas - Performance requirements, testing and marking

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Design requirements	7
4.1	General	7
4.2	Nominal size (DN)	8
4.2.1	General	8
4.2.2	Overall length (IO)	8
4.3	Materials	8
4.3.1	General	8
4.3.2	Metal hose, braid, end fittings and ferrules	8
4.3.3	Braid	10
4.3.4	Gaskets	10
4.4	Attachment of end fittings to the corrugated metal hose assembly for gas with or without braid	10
4.5	External protection	10
4.6	End fittings	11
4.7	Electrical conductivity	11
4.8	Hose joining	11
4.9	Flow velocity	11
4.10	Cleanliness	11
5	Performance requirements and tests	11
5.1	General	11
5.2	Pressure resistance	12
5.2.1	Requirements	12
5.2.2	Test	12
5.3	Leak-tightness	12
5.3.1	Requirement	12
5.3.2	Test	12
5.4	High temperature resistance	12
5.4.1	General	12
5.4.2	Requirements	12
5.4.3	High temperature test	12
5.5	Elongation	13
5.5.1	Requirement	13
5.5.2	Test	13
5.6	Impact test	13
5.6.1	Requirement	13
5.6.2	Test	13
5.7	Burst pressure test	15
5.7.1	Requirement	15
5.7.2	Test	15
5.8	Pliability and fatigue	15
5.9	Electrical conductivity	15

6	Self-assessment report	15
7	Installation instruction	15
8	Designation	16
9	Marking	16
9.1	Permanent marking	16
9.2	Marking on label	17
10	Packaging	17
Annex A (normative) Correspondence between the performance tests described by EN ISO 10380 and those of this European Standard		18
Bibliography		19