

ISO 10380:2012-10 (E)

Pipework - Corrugated metal hoses and hose assemblies

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Design requirements	4
4.1	General	4
4.2	Nominal sizes, DN	5
4.3	Overall length, IO	6
4.4	Hose design	6
4.5	Materials	6
4.6	Braiding	7
4.7	Pressure	9
4.8	Temperature	9
4.9	Corrosion	10
4.10	Cleanliness	11
4.11	Electrical conductivity	11
4.12	Flow velocity	11
4.13	Additional protection	12
4.14	Hose joining	14
4.15	Attachment of end fittings to hose	15
4.16	Design parameters for corrugated metal hoses and metal hose assemblies	16
5	Performance requirements and tests	16
5.1	General	16
5.2	Leaktightness	17
5.3	Pressure resistance	17
5.4	Elongation	18
5.5	Burst pressure	18
5.6	Pliability	19
5.7	Fatigue	21
5.8	Electrical conductivity	26
6	Evaluation of conformity	26
6.1	Declaration of products relating to the conformity assessment method	26
6.2	General	27
6.3	Initial type testing	27
6.4	Subsequent type testing	28
6.5	Factory production control (FPC)	28
6.6	Final assessment	30
7	Installation instructions, packaging, designation and marking	31
7.1	Installation instructions	31
7.2	Packaging	31
7.3	Designation	31
7.4	Marking	32

Annex A (normative)EquivalentEuropeanmaterialspecifications	33
Bibliography	36