

DIN EN ISO 10380:2013-02 (E)

Pipework - Corrugated metal hoses and hose assemblies (ISO 10380:2012)

Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Design requirements	8
4.1 General	8
4.2 Nominal sizes, DN	9
4.3 Overall length, l_0	10
4.4 Hose design	10
4.5 Materials	10
4.6 Braiding	11
4.7 Pressure	13
4.8 Temperature	13
4.9 Corrosion	14
4.10 Cleanliness	15
4.11 Electrical conductivity	15
4.12 Flow velocity	15
4.13 Additional protection	16
4.14 Hose joining	18
4.15 Attachment of end fittings to hose	19
4.16 Design parameters for corrugated metal hoses and metal hose assemblies	20
5 Performance requirements and tests	20
5.1 General	20
5.2 Leaktightness	21
5.3 Pressure resistance	21
5.4 Elongation	22
5.5 Burst pressure	22
5.6 Pliability	23
5.7 Fatigue	25
5.8 Electrical conductivity	30
6 Evaluation of conformity	30
6.1 Declaration of products relating to the conformity assessment method	30
6.2 General	31
6.3 Initial type testing	31
6.4 Subsequent type testing	32
6.5 Factory production control (FPC)	32
6.6 Final assessment	34
7 Installation instructions, packaging, designation and marking	35
7.1 Installation instructions	35
7.2 Packaging	35
7.3 Designation	35
7.4 Marking	36
Annex A (normative) Equivalent European material specifications	37
Bibliography	40