

ISO 15649:2001-06 (E)

Petroleum and natural gas industries - Piping

Contents		Page
1	Scope	1
2	Normative reference	1
3	Terms and definitions	1
4	Metallic industrial piping	3
4.1	General	3
4.2	Responsibilities	3
4.3	Materials	4
4.4	Measures against misuse	5
4.5	Draining and venting	5
4.6	Design conditions	5
4.7	Layout of piping	6
4.8	Buried piping	6
4.9	Erosion and abrasion	7
5	Non-metallic piping and piping lined with non-metals	7
5.1	General	7
5.2	Design conditions	7
Annexes A Layout of piping		8
A.1	General	8
A.2	Terms and definitions	8
A.3	General considerations	8
A.4	Clearances	10
A.5	Inside process areas -- Additional considerations	10
A.6	Outside process areas -- Additional considerations	10
A.7	Tankage areas -- Additional considerations	11
B	Buried piping	12
B.1	General	12
B.2	Design considerations	12
B.3	Installation in trenches	13
B.4	Pipe laying	13
B.5	Back-filling	13
B.6	Sleeves or casings	13
B.7	Corrosion protection	14
B.8	Pressure testing	14
Bibliography		15