

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Pressure regulator classification
4.1	According to construction of regulation assembly
4.2	According to construction of pressure regulator
4.3	According to regulated pressure at zero flow
4.4	According to accuracy level [see 7.5.2.4 b)]
5	Marking
6	Technical characteristics
6.1	General
6.2	Pressure regulator body
6.3	Adjustment assembly
6.4	Connections
6.5	Adjustable stop
7	Mechanical and functional tests
7.1	Overview
7.2	General
7.3	Regulation uniformity (in non-adjustable pressure regulators)
7.4	Tightness of pressure regulator with adjustable stop
7.5	Regulation curve
7.5.1	Installation
7.5.2	Test results and requirements
7.5.3	Single-range pressure regulators (class 4.1.1)
7.5.4	Multi-range pressure regulators (class 4.1.2)
7.5.5	Single-range adjustable pressure regulators (class 4.1.3)
7.5.6	Multi-range adjustable pressure regulators (class 4.1.4)
7.6	Regulated pressure as function of pressure regulator adjustment in pressure regulators of classes 4.1.3 and 4.1.4
7.7	Regulated pressure at zero flow (in pressure regulators of class 4.3.2)
7.8	Regulated pressure as function of inlet pressure at constant flow rate
7.8.1	General
7.8.2	Plotting pressure curves
7.8.2.1	Pressure curves for single-range pressure regulators (class 4.1.1)
7.8.2.2	Pressure curves for multi-range pressure regulators (class 4.1.2)
7.8.2.3	Pressure curves for single-range adjustable pressure regulators (class 4.1.3)
7.8.2.4	Pressure curves for multi-range adjustable pressure regulators (class 4.1.4)
7.9	Regulation curve of integral pressure regulators (class 4.2.2)
7.10	Pressure loss
7.11	Resistance of pressure regulator body to internal hydrostatic pressure
7.11.1	General
7.11.2	Metal-body pressure regulators
7.11.3	Plastics-body pressure regulators
7.11.3.1	Plastics moulded material of pressure regulator body
7.11.3.2	Shell test

- 8 Durability**
 - 8.1 On/off cycles**
 - 8.2 Changing condition cycles**
 - 8.2.1 General**
 - 8.2.2 For ordinary pressure regulators**
 - 8.2.3 For integral pressure regulators**
 - 8.2.4 Requirement for ordinary and integral pressure regulators**
- 9 Information to be supplied by the manufacturer**
 - 9.1 General information**
 - 9.2 Operational data**
- Annex A (informative) Figures**

Page count: 15