

ISO 10524-1:2006-02 (E)

Pressure regulators for use with medical gases - Part 1: Pressure regulators and pressure regulators with flow-metering devices

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Nomenclature	4
5	General requirements	4
5.1	Safety	4
5.2	Alternative construction	4
5.3	Materials	4
5.4	Design requirements	5
5.5	Constructional requirements	12
6	Test methods	12
6.1	General	12
6.2	Test methods for outlet pressure	13
6.3	Test method for pressure-relief valve	14
6.4	Test methods for leakage	14
6.5	Test method for mechanical strength	15
6.6	Test method for resistance to ignition	15
6.7	Test method for accuracy of flow of pressure regulators fitted with flowmeters or flowgauges	16
6.8	Test method for the stability of flow of pressure regulators fitted with flowmeters or flowgauges	16
6.9	Test method for stability and accuracy of flow of pressure regulators fitted with fixed orifices	16
6.10	Test method for flow setting and loosening torques	16
6.11	Test method for durability of markings and colour coding	16
7	Marking, colour coding, packaging	16
7.1	Marking	16
7.2	Colour coding	18
7.3	Packaging	18
8	Information to be supplied by the manufacturer	18
Annex A (informative)	Typical examples of pressure regulators and pressure regulators with flow-metering devices	22
Annex B (informative)	Rationale	26
Annex C (informative)	Reported regional and national deviations of colour coding and nomenclature for medical gases	28
Bibliography		30