

ISO 23551-1:2006-07 (E)

Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 1: Automatic valves

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification	3
4.1	Classes of control	3
4.2	Groups of controls	4
5	Test conditions	4
6	Construction	4
6.1	General	4
6.2	Construction requirements	4
6.3	Materials	5
6.4	Gas connections	6
6.5	Electrical material	7
7	Performance	8
7.1	General	8
7.2	Leak-tightness	8
7.3	Torsion and bending	8
7.4	Rated flow rate	8
7.5	Durability	9
7.6	Functional requirements	9
7.7	Endurance	13
8	EMC/Electrical requirements	15
8.1	Protection against environmental influences	15
8.2	Variations in supply voltage	15
8.3	Short-term voltage interruptions and drops	15
8.4	Variations in supply frequency	15
8.5	Surge immunity test	15
8.6	Electrical fast transient/burst	15
8.7	Immunity to conducted disturbances	15
8.8	Immunity to radiated fields	15
8.9	Electrostatic discharge immunity test	15
8.10	Test for immunity to power-frequency magnetic field	15
8.11	Electrical requirements	15
9	Marking, installation and operating instructions	16
9.1	Marking	16
9.2	Installation and operating instructions	16
9.3	Warning notice	17
Bibliography		18