

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