DIN EN 161:2011-06 (E)

Automatic shut-off valves for gas burners and gas appliances

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 Classification 6

5 Units of measurement and test conditions 7

6 Construction requirements 7

7 Performance 11

8 EMC/Electrical requirements 19

9 Marking, installation and operating instructions 21

Annex A (informative) Gas connections in common use in the various countries 23

Annex B (informative) Leak-tightness test - volumetric method 24

Annex C (informative) Leak-tightness test - pressure loss method 25

Annex D (normative) Conversion of pressure loss into leakage rate 26

Annex E (normative) Electrical/electronic component fault modes 27

Annex F (normative) Additional requirements for safety accessories and pressure accessories as defined in EU Directive 97/23/EC 28

Annex G (normative) Materials for pressurized parts 29

Annex H (informative) Additional materials for pressurized parts 30

Annex I (normative) Requirements for controls used in DC supplied gas burners and gas burning appliances 31

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2009/142/EC relating to appliances burning gaseous fuels .32

Bibliography 34

Tables Table 1 -- Test pressure 12

Table 2 -- Sealing force requirements 16

Table 3 -- Operating cycles 18

Table 4 -- Operating cycles for automatic shut-off valves for cookers according to EN 30-1-4:2002, 5.3.7.1. 18 Table ZA.1 -- Correspondence between this European Standard and Directive 2009/142/EC relating to appliances burning gaseous fuels 32