

DIN EN 17476:2021-11 (E)

Specifications for dedicated liquefied petroleum gas appliances - LPG vapour pressure appliances incorporating a horizontal cartridge in the chassis

Contents	Page
European foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Classification of appliances	9
5 Safety requirements	9
5.1 General	9
5.2 Adjustment of the burner	9
5.3 Materials	10
5.4 Assembly, cleaning and maintenance	10
5.5 Strength and stability	11
5.6 Soundness of the gas circuit assembly	11
5.7 Connections	12
5.8 Transport, fixing and mobility devices	12
5.9 Taps	12
5.10 Pressure sensitive safety device	12
5.11 Control handles	12
5.12 Injectors	13
5.13 Ignition devices	13
5.14 Flame supervision devices	13
5.15 Burners and radiant elements	13
5.16 Grids	14
5.17 Fireguards for heating appliances	14
5.18 Compartment for gas cartridge	15
5.19 Heat input	15
5.20 Resistance to overheating	15
5.21 Temperature of various parts of the appliance and cartridge	15
5.22 Temperature of panels (floors, walls)	15
5.23 Ignition, crosslighting and flame stability	16
5.24 Resistance to draught	16
5.25 Resistance to liquid spillage	16
5.26 Combustion	16
5.27 Accumulation of un-burnt gas	16
5.28 Safety at high temperature	16
5.29 Sooting - condensation	17
5.30 Rational use of energy of stove burners	17
5.31 Durability of markings	17
5.32 Strength and endurance requirements	17
5.33 Atmosphere sensing device	17
6 Test methods	18
6.1 General	18
6.2 Adjustment of the burner	19
6.3 Materials	19
6.4 Assembly, cleaning and maintenance	19
6.5 Strength and stability	20

6.6	Soundness of the gas circuit assembly	21
6.7	Connections	21
6.8	Transport, fixing and mobility devices	21
6.9	Taps	21
6.10	Pressure sensitive safety device design and test	21
6.11	Control handles	22
6.12	Injectors	22
6.13	Ignition devices	22
6.14	Flame supervision devices	22
6.15	Burners and radiant elements	22
6.16	Grids	22
6.17	Fireguards for heating appliances	23
6.18	Compartments for gas cartridge	23
6.19	Verification of heat inputs	23
6.20	Resistance to overheating	24
6.21	Temperatures of the various parts of the appliance and cartridge	25
6.22	Temperature of panels (floor, wall)	26
6.23	Ignition, crosslighting and flame stability	26
6.24	Resistance to draught	27
6.25	Resistance to liquid spillage	27
6.26	Combustion	27
6.27	Accumulation of un-burnt gases	28
6.28	Safety at high temperature	28
6.29	Sooting - condensation	29
6.30	Rational use of energy of stove burners	29
6.31	Durability of the markings	30
6.32	Strength and endurance test	30
6.33	Atmosphere sensing devices	31
7	Markings	31
7.1	Appliance marking	31
7.2	Packaging marking	31
8	Instructions for use, maintenance and assembly	32
8.1	General	32
8.2	Instruction contents	32
	Annex A (normative) Characteristics of test vessels (see 6.5.2.3)	41
	Annex B (normative) Tests on taps	42
B.1	Resistance to temperature	42
B.2	Endurance	42
	Annex C (normative) Ventilation room	43
C.1	Dimension	43
C.2	Sealing requirement	43
C.3	Construction	43
	Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Regulation (EU) 2016/426/EC	45
	Bibliography	48