

DIN EN 16647:2016-04 (E)

Fireplaces for liquid fuels - Decorative appliances producing a flame using alcohol based or gelatinous fuel - Use in private households

Contents		Page
European foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Construction	8
4.1	General	8
4.2	Fuel Volume	9
4.3	Construction	9
4.4	Materials	9
4.5	Stability test	9
4.6	Ignition device	10
5	Test methods and requirements	10
5.1	General	10
5.2	Tilting and sliding test	10
5.3	Movement from impact test	11
5.4	Tilting from impact stress	11
5.5	Stress test	12
5.6	Spillage test	13
5.7	Fuel storage container	13
5.8	Operating method	15
5.8.1	General	15
5.8.2	Test conditions	15
5.8.3	Fuel consumption	15
5.8.4	Operating safety	16
5.8.5	Autoignition test	16
5.8.6	Extinguish test	16
5.8.7	Combustion performance	17
5.8.8	Fire safety	19
5.8.9	Electrical safety	20
5.8.10	Electronic devices	20
5.9	Labelling	21
6	Marking	21
6.1	General	21
6.2	Labelling/Rating plate	21
6.3	Safety instruction	21
6.4	Marking on the package	22
6.5	Warning advice fuel storage tank	22
7	User's manual	22
7.1	General	22
7.2	Installation instructions	22
7.3	Operating instructions	23
7.4	Emergency extinguish instructions	24
7.5	Type examination	25
7.5.1	Test sample and documents	25

7.5.2	Test report	25
8	Factory production control	25
8.1	General	25
8.2	Materials and components	26
8.3	Check of devices used for examinations, tests and measurements	26
8.4	Process control	26
8.5	Supervision, testing and evaluation of the product	26
8.5.1	General	26
8.5.2	Building materials	26
8.5.3	Insulating material	26
8.5.4	Seals and sealing material	27
8.5.5	Production control	27
8.6	Non-conforming products	27
8.7	Corrective and preventive measures	27
8.8	Handling, storage, packaging, preservation and delivery	27
Annex A (informative) Additional possible symbols		28
Annex B (normative) Guidelines for the safety of electronically controlled alcohol-powered flueless fireplaces		32
B.1	General	32
B.2	Terms and definitions	32
B.3	Fuel-related devices	32
B.4	CO2 emissions-related devices	32
B.5	Temperature-related devices	32
B.6	Leakage-related devices	33
B.7	Malfunction-related devices	33
B.8	Electric power-loss-related devices	33
Bibliography		34