

DIN EN 794-3:2009-12 (E)

Lung ventilators - Part 3: Particular requirements for emergency and transport ventilators (includes Amendment A2:2009)

Contents	Page
Foreword	4
Introduction	5
Section one. General	6
1 Scope	6
2 Normative references	6
3 Terminology and definitions	7
4 General requirements and general requirements for tests	8
5 Classification	9
6 Identification, marking and documents	9
7 Power input	15
8 Basic safety categories	16
9 Removable protective means	16
10 Environmental conditions	16
11 Not used	17
12 Not used	17
13 General	18
14 Requirements related to classification	18
15 Limitation of voltage and/or energy	18
16 Enclosures and protective covers	18
17 Separation	18
18 Protective earthing, functional earthing and potential equalization	18
19 Continuous leakage currents and patient auxiliary currents	18
20 Dielectric strength	18
21 Mechanical strength	19
22 Moving parts	20
23 Surfaces, corners and edges	20

24	Stability in normal use	20
25	Expelled parts	20
26	Vibration and noise	20
27	Pneumatic and hydraulic power	20
28	Suspended masses	20
29	X-radiation	21
30	Alpha, beta, gamma, neutron radiation and other particle radiation	21
31	Microwave radiation	21
32	Light radiation (including lasers)	21
33	Infra-red radiation	21
34	Ultra-violet radiation	21
35	Acoustical energy (including ultra-sonics)	21
36	Electromagnetic compatibility	21
37	Locations and basic requirements	23
38	Marking, accompanying documents	23
39	Common requirements for Category AP and Category APG equipment	23
40	Requirements and test for Category AP equipment, parts and components thereof	23
41	Requirements and test for Category APG equipment, parts and components thereof	23
42	Excessive temperatures	24
43	R) Fire prevention	24
44	Overflow, spillage, leakage, humidity, ingress of liquids, cleaning, sterilization and disinfection	24
45	Pressure vessels and parts subject to pressure	24
46	Not used	25
47	Not used	25
48	Biocompatibility	25
49	Interruption of the power supply	25
50	Accuracy of operating data	26
51	Protection against hazardous output	26
52	Abnormal operation and fault conditions	30
53	Environmental tests	30

54	General	31
55	Enclosures and covers	31
56	Components and general assembly	31
57	Mains parts, components and layout	34
58	Protective earthing - Terminals and connections	34
59	Construction and layout	34
	Annex AA (informative) Rationale	35
	Annex BB (normative) Legibility and visibility	40
	Annex CC (informative) Bibliography	41
	Annex DD (normative) Special national conditions	42
	Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EEC	43