

DIN EN ISO 15883-1:2006-07 (E)

Washer-disinfectors - Part 1: General requirements, terms and definitions and tests (ISO 15883-1:2006)

Contents		Page
Foreword		2
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Performance requirements	13
4.1	General	13
4.2	Cleaning	15
4.3	Disinfection	15
4.4	Rinsing	16
4.5	Drying	16
4.6	Process chemicals	17
5	Mechanical and process requirements	17
5.1	Materials, design and manufacture/construction	17
5.2	Safety	19
5.3	Calorifiers and tanks	19
5.4	Loading and unloading doors and their controls	20
5.5	Pipework and fittings	22
5.6	Spray systems	22
5.7	Dosing systems	23
5.8	Load temperature protection	23
5.9	Process temperature control limits	24
5.10	Switches, gauges and indicating devices	25
5.11	Process verification	25
5.12	Instrumentation and controls	26
5.13	Temperature indicating systems	27
5.14	Pressure indicating systems	28
5.15	Timing equipment	28
5.16	Operating cycle indicating equipment	28
5.17	Recording instruments (if fitted)	28
5.18	Control systems	30
5.19	Override of automatic control	31
5.20	Microprocessor control systems	32
5.21	Access to software	32
5.22	Fault indication systems	32
5.23	Water supply	33
5.24	Venting and drainage systems	33
5.25	Drainage	34
5.26	Air filters installed within the WD	34
5.27	Load handling and supports for use within the WD	34
5.28	Trolleys	35
5.29	Environment	36
6	Testing for conformity	36
6.1	General	36

6.2	Test equipment	39
6.3	Tests on doors, interlocks and fault indications	40
6.4	Tests on water quality and water volume	42
6.5	Tests on pipework	44
6.6	Tests on instrumentation fitted to the WD	46
6.7	Tests on load carriers	47
6.8	Thermometric tests	48
6.9	Chemical dosing tests	51
6.10	Tests of cleaning efficacy	52
6.11	Tests of air quality	53
6.12	Load dryness test	54
6.13	Automatic control test	54
7	Documentation	55
8	Information to be supplied by the manufacturer	55
8.1	General	55
8.2	Before delivery of the WD and for installation	56
8.3	At delivery of the WD	56
9	Marking, labelling and packaging	58
9.1	Marking and labelling	58
9.2	Packaging	58
10	Information to be requested from the purchaser by the supplier of the WD	58
	Annex A (informative) Test programme	60
	Annex B (informative) A0 concept -- Comparative lethality of moist heat processes	64
	Annex C (normative) Test methods for the detection and assessment of residual proteinaceous contamination	68
	Annex D (normative) Microbiological recovery medium for estimation of bacterial contamination of water	73
	Bibliography	74
	Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EEC on medical devices	76