

Ref.	Hazard.	Related part /	Sev	Like	Risk.	Solution.	Document referenced.	Sev	Like	Risk.
		Component posing	of	of				of	$\mathbf{0f}$	
		risk.	Haz.	Haz.				Haz.	Haz.	
D.2	Energy hazards and con	tributory factors								
D.2.1	Electricity	None	1	1	1	Non required	IEC601/1	1	1	1
	Line voltage	None	1	1	1	Non required	ISO9000:2000	1	1	1
	Leakage enclosure	None	1	1	1	Non required	ISO14971:2009	1	1	1
	Leakage earth	None	1	1	1	Non required	ISO13471:2009	1	1	1
	Patient Leakage	None	1	1	1	Non required	Y1 Design History	1	1	1
	Electric Fields	None	1	1	1	Non required		1	1	1
D.2.2	Heat	None	1	1	1	Non required		1	1	1
	High Temperature	None	1	1	1	Non required	IEC601/1 PtII	1	1	1
	Low Temperature	None	1	1	1	Non required		1	1	1
D.2.3	Mechanical force	None	1	1	1	Non required		1	1	1
	Gravity: Falling	None	1	1	1	Non required		1	1	1
	Suspended masses	None	1	1	1	Non required		1	1	1
	Stored energy	None	1	1	1	Non required		1	1	1
	Torsion, Shear & Tensile	None	1	1	1	Non required		1	1	1
	High Pressure Fluid	None	1	1	1	Non required		1	1	1
	injection					-				
D.2.4	Ionising radiation	None	1	1	1	Non required	Z12 No Ionisation	1	1	1
D.2.5	Non ionising radiation	None	1	1	1	Non required		1	1	1
D.2.6	Moving parts	None	1	1	1	Non required	D2 Device description	1	1	1
	Moving & positioning	None	1	1	1	Non required	D2 Device description	1	1	1
	patient									
D.2.7	Unintended motion	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.8	Suspended masses	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.9	Patient support failure	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.10	Pressure (vessel rupture)	None	1	1	1	Non required	D2 Device description	1	1	1

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D 2 11	Acoustic pressure	risk. None	Haz.	Haz.	1	Non required	D2 Device description	Haz.	Haz.	1
D.2.11	Ultrasonic energy	None	1	1	1	Non required	D2 Device description	1	1	1
	Infrasound energy	None	1	1	1	Non required	D2 Device descriptionD2	1	1	1
	Sound	None	1	1	1	Non required	D2 Device description	1	1	1
D 2 12	Vibration	None	1	1	1	Non required	D2 Device description	1	1	1
	Magnetic fields	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.13	(eg. MRI)	None	1	1	1	Non required	D2 Device description	1	1	
D.3	(eg. MIKI)					None				
D.3.1	Bio-contamination	None	1	1	1	Non required	Z6 Bio-compatibility	1	1	1
D.3.1	Bacteria	None	1	1	1	Non required	20 Bio-compationity	1	1	1
	Viruses	None	1	1	1	* 		1	1	1
		None	1	1	1	Non required		1	1	1
D.3.2	Other agents (prions)		1	1	1	Non required	76 Die semmetihility	1	1	1
	Bio-incompatibility Incorrect formulation	None	1	1 1	1	Non required	Z6 Bio-compatibility	1	1	1
D.3.3	(chemical composition)	None	1	1		Non required			1	
D.3.4	Toxicity	None	1	1	1	Non required		1	1	1
D.3.5	Allergenicity/ irritancy	None	1	1	1	Non required		1	1	1
D.3.6	Mutagenicity	None	1	1	1	Non required		1	1	1
D.3.7	Oncogenicity	None	1	1	1	Non required		1	1	1
D.3.8	Carcinogenicity	None	1	1	1	Non required	Z11 Carcinogenic substances	1	1	1
D.3.9	Re and/or cross infection	None	1	1	1	Non required	O1 Sterilisation F6 Cleaning instructions F5 Instructions for use	1	1	1
	Pyrogenicity	None	1	1	1	Non required		1	1	1
D.3.11	Inability to maintain	None	1	1	1	Non required	O1 Sterilisation	2	1	2

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	hygienic standards						F6 Cleaning instructions F5 Instructions for use			
D.3.12	Degradation	None	1	1	1	Non required	F5 Instructions for use	1	1	1
	Chemical	None	1	1	1	Non required		1	1	1
	Acids or Alkalis	None	1	1	1	Non required		1	1	1
	Contaminates	None	1	1	1	Non required		1	1	1
	Processing aids	None	1	1	1	Non required		1	1	1
	Cleaning, disinfection	None	1	1	1	Non required		1	1	1
	Testing aids	None	1	1	1	Non required		1	1	1
	Medical gases	None	1	1	1	Non required		1	1	1
	Anaesthetic products	None	1	1	1	Non required		1	1	1
D.4						None				
D.4.1	Electromagnetic fields	None	1	1	1	Non required		1	1	1
D.4.2	Susceptibility to electromagnetic interference	None	1	1	1	Non required	D4 EMC	1	1	1
D.4.3	Emissions of electromagnetic interference	None	1	1	1	Non required	D4 EMC	1	1	1
D.4.4	Inadequate supply of power	None	1	1	1	Non required		1	1	1
D.4.5	Inadequate supply of coolant	None	1	1	1	Non required		1	1	1
D.4.6	Storage / operation outside prescribed environmental conditions	None	1	1	1	Non required		2	1	2

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		Component posing	of	of				of	0f	
		risk.	Haz.	Haz.				Haz.	Haz.	
D.4.7	Incompatibility with	None	1	1	1	Non required		1	1	1
	other devices with which									
	the product is intended to									
	be used									
D.4.8	Accidental mechanical	None	1	1	1	Non required	F5 User Instructions	1	1	1
	damage									
D.4.9	Contamination due to	None	1	1	1	Non required		1	1	1
	waste products and/or									
	device disposal									
D.5						None				
D.5.1	Electricity	None	1	1	1	Non required		1	1	1
D.5.2	Radiation	None	1	1	1	Non required		1	1	1
D.5.3	Volume	None	1	1	1	Non required		1	1	1
D.5.4	Pressure	None	1	1	1	Non required	F5 User Instructions	3	2	6
D.5.5	Supply of medical gases	None	1	1	1	Non required		1	1	1
D.5.6	Supply of anaesthetic	None	1	1	1	Non required		1	1	1
	agents									
D.6	Hazards related to the u	se of the medical dev	ice and	l contri	butory	factors				
D.6.1	Inadequate labelling	None	1	1	1	Non required	F7 Labels	1	1	1
D.6.2	Inadequate operating	None	1	1	1	Non required	F5 User Instructions	1	1	1
	instructions									
	Inadequate description of	None	1	1	1	Non required	M3 SpecificationF5 User	1	1	1
	performance						Instructions			
	Inadequate specification	None	1	1	1	Non required	F5 User Instructions	1	1	1
	of intended use									
	Inadequate disclosure of	None	1	1	1	Non required	F5 User Instructions	1	1	1

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Ref.	Hazard.	Related part / Component posing risk.	Sev of Haz.	Like of Haz.	Risk.	Solution.	Document referenced.	Sev of Haz.	Like 0f Haz.	Risk.
	limitations									
D.6.3	Inadequate specification of accessories	None	1	1	1	Non required	F5 User Instructions	2	1	2
D.6.4	Inadequate specification of pre-use checks	None	1	1	1	Non required	F5 User Instructions F9 Training	1	1	1
D.6.5	Over-complicated operating instructions	None	1	1	1	Non required	F5 User Instructions	1	1	1
D.6.6	Inadequate specification of service and maintenance	None	1	1	1	Non required	G2 Service Manual G1 maintenance G3 Service Procedures	1	1	1
D.6.7	Use by unskilled / untrained personnel	None	1	1	1	Non required	F5 User Instructions F9 Training	2	1	2
D.6.8	Reasonable foreseeable misuse	None	1	1	1	Non required	F9 Training	2	1	2
D.6.9	Insufficient warning of side effects	None	1	1	1	Non required		1	1	1
D.6.10	Inadequate warnings of hazards likely with reuse of single use devices	None	1	1	1	Non required		1	1	1
D.6.11	Incorrect measurement and other metrological aspects	None	1	1	1	Non required		1	1	1
D.6.12	Misrepresentation of results	None	1	1	1	Non required		1	1	1
D.6.13	Incompatibility with consumables /	None	1	1	1	Non required		1	1	1

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Ref.	Hazard.	Related part / Component posing risk.	Sev of Haz.	Like of Haz.	Risk.	Solution.	Document referenced.	Sev of Haz.	Like 0f Haz.	Risk.
	accessories / other devices									
D.6.14	Sharp edges or points	None	1	1	1	Non required		1	1	1
D.7										
D.7.1	Mistakes & judgement errors	None	1	1	1	Non required		1	1	1
	Incorrect or inappropriate output or functionality	None	1	1	1	Non required		1	1	1
	Erroneous data transfer	None	1	1	1	Non required		1	1	1
	Loss or deterioration in function	None	1	1	1	Non required		1	1	1
D.7.2	Lapses and cognitive recall errors	None	1	1	1	Non required		1	1	1
D.7.3	Slips & blunders (mental or physical)	None	1	1	1	Non required		1	1	1
	Rule based failure	None	1	1	1	Non required		1	1	1
	Knowledge based failure	None	1	1	1	Non required		1	1	1
	Routine violation	None	1	1	1	Non required		1	1	1
D.7.4	Violation or abbreviation of instructions, procedures etc	None	1	1	1	Non required		1	1	1
D.7.5	Complex or confusing control system	None	1	1	1	Non required		1	1	1
D.7.6	Ambiguous or unclear device state	None	1	1	1	Non required		1	1	1

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D.7.7	Ambiguous or unclear presentation of settings, measurement, or other information	None	1	1	1	Non required		1	1	1
D.7.8	Misrepresentation of results	None	1	1	1	Non required		1	1	1
D.7.9	Insufficient visibility, audibility or tactility	None	1	1	1	Non required		1	1	1
D.7.10	Poor mapping of controls to action or of displayed information to actual state	None	1	1	1	Non required		1	1	1
D.7.11	Controversial modes or mappings as compared to existing equipment	None	1	1	1	Non required		1	1	1
D.8						None				
D.8.1	Erroneous data transfer	None	1	1	1	Non required		1	1	1
D.8.2	Lack of, or inadequate specification for maintenance including post maintenance functional tests	None	1	1	1	Non required		1	1	1
D.8.4	Inadequate maintenance	None	1	1	1	Non required		1	1	1
D.8.5	Lack of adequate determination of end of device life	None	1	1	1	Non required		1	1	1

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D.8.6	Loss of electrical integrity	None	1	1	1	Non required		1	1	1
D.8.7	Loss of mechanical integrity	None	1	1	1	Non required		1	1	1
D.8.8	Inadequate packaging (contamination and / or deterioration of the device)	None	1	1	1	Non required		1	1	1
D.8.9	Re-use and/or improper re-use	None	1	1	1	Non required		1	1	1
D.8.10	Deterioration in function (gradual occlusion of fluid / gas path or change in resistance to flow, electrical conductivity) as a result of repeated use	None	1	1	1	Non required		1	1	1

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