

## RS300/RS200/RS100/RV200/RV100安规检验记录

产品型号(Product Model): **RV200**      产品名称(Product Name): **ventilator**      产品序列号(SN): **6B-2V002437**  
 检验记录文件编号: SIP-6001-F001-R02-5.0    SIP-0000-F003-5.0    SIP-0000-F001-5.0    SIP-0000-P004-3.0  
 指南文件名称(File Name): Fluke ESA620漏电流测试指导书    电介质强度测试指导书    Fluke ESA620接地电阻测试作业指导书  
 指南文件编号(File No.):

检验设备、工装清单 Test Equipment/tooling list						
序号 No.	设备、工装名称 Equipment/tooling name	型号 Model	资产编号 Property No.	校准有效期 Calibration	确认 Validation	
1	医用耐压测试仪 Dielectric strength tester	RK2670Y	RX-01-01-1003	2022.3.17	✓	
2	医用漏电流测试仪 Electrical Safety Analyzer	Fluke ESA620	RX-01-01-1013	2022.4.6	✓	

  

序号 No.	检验项目 Inspection item	内容 Content			确认 Validation			
		检验条件描述 Inspection Description	检测标准/要求 Requirements	记录 Record	✓ (PAS)	× (Fail)	N/A (不适用)	
1	接地电阻测试 Grounding resistance test	电源插口GND和等电位柱之间, 测试电流25A±10%, 测试时间5s-10s. Between power outlet GND and Equipotentiality, test current 25A±10%, test time 5s-10s (需要减掉电源线电阻0.089Ω)	≤0.1 Ω	0.028 <sup>Ω</sup>	✓			
		电源插口GND和各保护接地的外壳之间, 测试电流25A±10%, 测试时间5s-10s. Between power outlet GND and protectively earthed enclosure, test current 25A±10%, test time 5s-10s (呼吸机无保护接地外壳, 免测)	≤0.1 Ω	(Ω)				N/A
		电源插口GND和各保护接地的螺丝之间, 测试电流25A±10%, 测试时间5s-10s. Between power outlet GND and protectively earthed screw, test current 25A±10%, test time 5s-10s (需要减掉电源线电阻0.089Ω)	≤0.1 Ω	0.119 <sup>Ω</sup>	✓			
		AC电源线GND和保护接地部件之间, 测试电流25A±10%, 测试时间5s-10s. Detachable AC power supply cord GND and a protectively earthed parts. test current 25A±10%, test time 5s-10s	≤0.2 Ω	0.117 <sup>Ω</sup>	✓			
2	漏电流检验 Leakage current test	电源电压L1-earth(V) Voltage of power	两个值中的最大值不小于220V (220V电源供电) 或110V (110V供电), 且L1-L2电压不超过被测设备标称电源范围.	227.6 <sup>(V)</sup>	✓			
		电源电压L1-L2(V) Voltage of power		227.3 <sup>(V)</sup>	✓			
		电源电压L2-earth(V) Voltage of power	实测	2.6 <sup>(V)</sup>	✓			
3	对地漏电流 Earth leakage current	正常状态下对地漏电流(uA) Earth leakage current in normal condition(uA)	≤347 uA	82.1 <sup>uA</sup>	✓			
		单一故障状态下对地漏电流(uA) Earth leakage current in single fault condition(uA)	≤694 uA	130.4 <sup>uA</sup>	✓			
4	外壳漏电流 Enclosure leakage current	正常状态下外壳漏电流(uA) Earth leakage current in normal condition(uA)	≤69.4 uA	0.3 <sup>(uA)</sup>	✓			
		单一故障状态下外壳漏电流(uA), 断开一根电源导线(uA) Earth leakage current in single fault condition(uA)	≤347 uA	0.4 <sup>(uA)</sup>	✓			
		单一故障状态下外壳漏电流(uA), 断开地线(uA) Earth leakage current in single fault condition(uA)	≤347 uA	2.2 <sup>(uA)</sup>	✓			
5	患者漏电流 Patient leakage current	正常状态下患者漏电流(uA) Patient leakage current in normal condition(uA)	dc. ≤6.94uA	0.2 <sup>(uA)</sup>	✓			
			ac. ≤69.4uA	0.1 <sup>(uA)</sup>	✓			
		单一故障状态下患者漏电流(uA), 断开一根电源线(uA) Patient leakage current in single fault condition(uA)	dc. ≤34.7 uA	0.2 <sup>(uA)</sup>	✓			
			ac. ≤347 uA	0.1 <sup>(uA)</sup>	✓			
		单一故障状态下患者漏电流(uA), 断开地线(uA) Patient leakage current in single fault condition(uA)	dc. ≤34.7 uA	0.2 <sup>(uA)</sup>	✓			
		ac. ≤347 uA	0.1 <sup>(uA)</sup>	✓				
	患者漏电流, 应用部分加110%网电压状态下的患者漏电流(uA) Patient leakage current as a supply voltage 110% being applied to the applied part(uA)	BF ≤347 Ua		2.5 <sup>(uA)</sup>	✓			
6	患者辅助电流 Patient auxiliary leakage current	正常状态下患者辅助电流(uA) Patient auxiliary leakage current in normal condition(uA)	dc. ≤6.94 uA	0.2 <sup>(uA)</sup>	✓			
			ac. ≤69.4 uA	0.1 <sup>(uA)</sup>	✓			
		单一故障状态下患者辅助电流(uA), 断开一根电源导线 Patient auxiliary leakage current in single fault condition(uA)	dc. ≤34.7 uA	0.2 <sup>(uA)</sup>	✓			
			ac. ≤347 uA	0.1 <sup>(uA)</sup>	✓			
	单一故障状态下患者辅助电流(uA), 断开地线 Patient auxiliary leakage current in single fault condition(uA)	dc. ≤34.7 uA	0.2 <sup>(uA)</sup>	✓				
		ac. ≤347 uA	0.2 <sup>(uA)</sup>	✓				
7	电介质强度检验 Dielectric strength test	网电源L/N短接处到等电位之柱之间, AC1500V Between mains L/N and Equipotentiality, AC1500V	不能出现击穿或闪络 Breakdown of flashover cannot	OK	✓			
		网电源L/N短接处到未保护接地的外壳部件, AC4000V Between mains L/N and unprotective earthed enclosure, AC4000V	不能出现击穿或闪络 Breakdown of flashover cannot	OK	✓			
		带电部件和未保护接地的固定螺钉, AC4000V Between mains L/N and unprotective earthed fixed screw, AC4000V	不能出现击穿或闪络 Breakdown of flashover cannot					N/A
		应用部分和信号输入, 输出及外壳之间, AC1500V Between applied part and signal input/output and enclosure, AC1500V	不能出现击穿或闪络 Breakdown of	OK	✓			
		应用部分和网电源之间, AC4000V Between applied part and mains supply, AC4000V	不能出现击穿或闪络 Breakdown of flashover cannot	OK	✓			

  

备注 Note:	整机判定 Determine: <input checked="" type="checkbox"/> 合格 Pass; <input type="checkbox"/> 不合格 Fail	检验员 Tested by: 叶岩	日期 Date: 2021.12.16	复核人员 Reviewer: 黎松	日期 Date: 2021.12.16
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