

Rango de valores Respirador AIRVITA														
	Volumen Tidal (ml)			rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP						
	100-800 +20ml			10-30 +1	1:2			4-25 +1mbar						

Frede (Inventor Respirador)														
Test#	Valores ASL 5000			Valores ventilador mecánico					Análisis			errores		
	Tidal Volume ml	Test Lung Compliance ml/ mbar ± 10%	Test Lung Resistance mbar/l/s ± 10%	rate (breaths/min)	Inspiratory time (s)	Presión soporte	Presión pico	PEEP	Peak flow (measured) L/min	Breath detection correct	Settings achieved? Observations	P error +2mbar	Vt error +15%	PEEP error >0
1	450	25	20	16	1:2			7						
2	300	25	20	10	1:2			5						
3	300	10	40	10	1:2			15						
4	600	25	20	20	1:2			5						
5	600	10	40	20	1:2			15						

MHRA Pressure Controlled Ventilation Test (15 cmH2O)														
Test	Volumen Tidal (ml)	Valores ASL 5000		Valores ventilador mecánico					Análisis			errores		
		Compliance (ml/hPa) +10%	Resistencia (hPa/l/s) +10%	rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP	Presión deseada	Presión Medida ASL5000	diff P	P error +2mbar	Vt error +15%	PEEP error >0
1		50	5	20	1:2	15		5						
2		"	"	12	"	"		5						
3		"	"	20	"	"		10						
4		"	"	12	"	"		10						
5		"	"	20	"	"		15						
6		"	"	12	"	"		15						
7		20	20	20	1:2	15		5						
8		"	"	12	"	"		5						
9		"	"	20	"	"		10						
10		"	"	12	"	"		10						
11		"	"	20	"	"		15						
12		"	"	12	"	"		15						
13		10	50	20	1:2	15		5						
14		"	"	12	"	"		5						
15		"	"	20	"	"		10						
16		"	"	12	"	"		10						
17		"	"	20	"	"		15						
18		"	"	12	"	"		15						

MHRA Pressure Controlled Ventilation Test (30 cmH2O)														
Test	Volumen Tidal (ml)	Valores ASL 5000		Valores ventilador mecánico					Análisis			errores		
		Compliance (ml/hPa) +10%	Resistencia (hPa/l/s) +10%	rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP	Presión deseada	Presión Medida ASL5000	diff P	P error +2mbar	Vt error +15%	PEEP error >0
1		50	5	20	1:2	30		5						
2		"	"	12	"	"		5						
3		"	"	20	"	"		10						
4		"	"	12	"	"		10						
5		"	"	20	"	"		15						
6		"	"	12	"	"		15						
7		20	20	20	1:2	30		5						
8		"	"	12	"	"		5						
9		"	"	20	"	"		10						
10		"	"	12	"	"		10						
11		"	"	20	"	"		15						
12		"	"	12	"	"		15						
13		10	50	20	1:2	30		5						
14		"	"	12	"	"		5						
15		"	"	20	"	"		10						
16		"	"	12	"	"		10						
17		"	"	20	"	"		15						
18		"	"	12	"	"		15						

MHRA Volume Controlled Ventilation Test (Tidal Volume)														
Test	Volumen Tidal esperado (ml)	Valores ASL 5000		Valores ventilador mecánico					Análisis			errores		
		Compliance (ml/hPa) +10%	Resistencia (hPa/l/s) +10%	rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP	Volumen deseado	Volumen Medida ASL5000	diff V	P error +2mbar	Vt error +15%	PEEP error >0
1		50	5	20	1:2	30		5						
2		"	"	12	"	"		5						
3		"	"	20	"	"		10						
4		"	"	12	"	"		10						
5		"	"	20	"	"		15						
6		"	"	12	"	"		15						
7		20	20	20	1:2	30		5						
8		"	"	12	"	"		5						
9		"	"	20	"	"		10						
10		"	"	12	"	"		10						
11		"	"	20	"	"		15						
12		"	"	12	"	"		15						
13		10	50	20	1:2	30		5						
14		"	"	12	"	"		5						
15		"	"	20	"	"		10						
16		"	"	12	"	"		10						
17		"	"	20	"	"		15						
18		"	"	12	"	"		15						

MHRA Volume Controlled Ventilation Test (Resistance)														
Test	Volumen Tidal esperado (ml)	Valores ASL 5000		Valores ventilador mecánico					Análisis			errores		
		Compliance (ml/hPa) +10%	Resistencia (hPa/l/s) +10%	rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP	Volumen deseado	Volumen Medida ASL5000	diff V	P error +2mbar	Vt error +15%	PEEP error >0
1	500	50	5	20	1:2			5						
2	"	"	"	12	"			5						
3	"	"	"	20	"			10						
4	"	"	"	12	"			10						
5	"	"	"	20	"			15						
6	"	"	"	12	"			15						
7	500	20	20	20	1:2			5						
8	"	"	"	12	"			5						
9	"	"	"	20	"			10						
10	"	"	"	12	"			10						
11	"	"	"	20	"			15						
12	"	"	"	12	"			15						

MHRA Volume Controlled Ventilation Test (Compliance)														
Test	Volumen Tidal esperado (ml)	Valores ASL 5000		Valores ventilador mecánico					Análisis			errores		
		Compliance (ml/hPa) +10%	Resistencia (hPa/l/s) +10%	rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP	Volumen deseado	Volumen Medida ASL5000	diff V	P error +2mbar	Vt error +15%	PEEP error >0
13	500	10	5	20	1:2			5						
14	"	"	"	12	"			5						
15	"	"	"	20	"			10						
16	"	"	"	12	"			10						
17	"	"	"	20	"			15						
18	"	"	"	12	"			15						

MHRA - Imperial College Additional Performance Tests														
Test	Valores ASL 5000		Valores ventilador mecánico					Análisis			errores			
	Volumen Tidal esperado (ml)	Compliance (ml/hPa) +10%	Resistencia (hPa/l/s) +10%	rate (breaths/min)	I:E	Plateau Pressure cmH2O	Presión pico	PEEP	Volumen deseado	Volumen Medida ASL5000	diff V	P error +2mbar	Vt error +15%	PEEP error >0
1	500	50	5	30	1:2			5						

2	"	"	"	"	"	"	"	10						
3	"	"	"	"	"	"	"	15						
4	800	50	5	12	1:2			5						
5	"	"	"	"	"	"	"	10						
6	"	"	"	"	"	"	"	15						

Si da tiempo

iso:80601-2-12																
Test	Valores ASL 5000				Valores ventilador mecánico					Análisis				errores		
	Volumen Tidal esperado (ml)	Compliance (ml/hPa) +-10%	Resistencia (hPa/l/s) +-10%	rate (breaths/min)	Inspiratory time (s)	Presión soporte	Presión pico	PEEP		Presión deseada	Presión Medida ASL5000	diff P	P error +-2mbar	Vt error +-15%	PEEP error >0	
1202	500	50	20	12	1	15	25	10		25						
1203	500	20	5	20	1	25	30	5		25						
1205	300	20	20	20	1	15	20	5		15						
1206	300	20	50	12	1	25	35	10		35						
1207	300	10	50	20	1	30	35	5		30						
1208	200	10	10	20	1	25	35	10		35						
1209	100	3	10	30	0,6	15	20	5		15						
1210	100	3	20	30	0,6	15	25	10		25						
1211	100	3	50	20	0,6	25	30	5		25						