Certificate of Calibration

Certificate number: 1711636280

Armstrong Medical Neoflow Series Low Flow Air/O2 Blender (DISS)
Part Number: R203P13-008
Serial Number: AL000104

This certificate reports recorded values for the instrument specified above.

Equipment used: Sealey STS104 Torque Screwdriver (CE211)
AX300 Oxygen Monitor (CE198)
TSI 4040 Flow Meter (CE210)
Juergensen Pressure Gauge (CE212 / CE213)

SEQ #	Dial Set O2%	Oxygen Press ±1.0		Air Press ±1.0		Flowmeter set to lpm ±0.2	Auxiliary Bleed	Function	Target Value	Actual Value
		psi	bar	psi	bar					
1	Any	50	3.45	50	3.45	closed	closed	leak	<2 psi / 2 min	<2 psi / 2 min
***2**	60	75	5.17	0	0	0	closed	back flow	<100 ml/min	<100 ml/min
***3**	60	0	0	75	5.17	0	closed	back flow	<100 ml/min	<100 ml/min
4	21	50	3.45	50	3.45	3	open	end point	(±0.3) Source Value	21.1
5	40	50	3.45	50	3.45	3	open	set point	37.0%-43.0%	41.1
6	60	50	3.45	50	3.45	3	open	set point	57.0%-63.0%	60.8
7	80	50	3.45	50	3.45	3	open	set point	77.0%-83.0%	81.1
8	100	50	3.45	50	3.45	3	open	end point	(±0.3) Source Value	100.0
9	60	50	3.45	50	3.45	1	open	set point	57.0%-63.0%	61.2
10	60	60	4.14	67	4.62	1	open	set point	57.0%-63.0%	61.6
11	60	60	4.14	50	3.45	1	open	set point	57.0%-63.0%	61.3
12	60	50	3.45	Slowly reduce to 30	Slowly reduce to 2.07	3	closed	alarm on	30.0 ± 2.0 psi	32.0
13	60	50	3.45	Slowly increase until alarm shuts off		3	closed	alarm off	45.0 psi MAX	40.0
14	60	Slowly reduce to 30	Slowly reduce to 2.07	50	3.45	3	closed	alarm on	30.0 ± 2.0 psi	32.0
15	60	Slowly increase until alarm shuts off		50	3.45	3	closed	alarm off	45.0 psi MAX	36.0
16	60	50	3.45	50	3.45	MAX (30)	closed	flow rate	30.0 lpm MIN	30.0
17	60	50	3.45	0		MAX (30)	closed	flow rate	30.0 lpm MIN	25.1
18	60	0		50	3.45	MAX (30)	closed	flow rate	30.0 lpm MIN	23.2
19	60	50	3.45	50	3.45	MAX (30)	open	flow rate	30.0 lpm MIN	29.3

* Reference, Letter D. (Reverse Gas Flow Procedures)

Name: Phil Crossley

Date: 28th March 2024

Signed: _____