

Certificate of Calibration

Certificate number: 1727181630

Armstrong Medical Neoflow Series Low Flow Air/O2 Blender (DISS)

Part Number: R203P13-008

Serial Number: AL000091

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	21.0
5	40	50	3.45	50	3.45	3	open	set point	37.0%-43.0%	38.5
6	60	50	3.45	50	3.45	3	open	set point	57.0%-63.0%	59.5
7	80	50	3.45	50	3.45	3	open	set point	77.0%-83.0%	79.0
8	100	50	3.45	50	3.45	3	open	end point	(± 0.3) Source Value	99.9
9	60	50	3.45	50	3.45	1	open	set point	57.0%-63.0%	58.7
10	60	60	4.14	67	4.62	1	open	set point	57.0%-63.0%	58.7
11	60	60	4.14	50	3.45	1	open	set point	57.0%-63.0%	59.0
12	60	50	3.45	Slowly reduce to 30	Slowly reduce to 2.07	3	closed	alarm on	30.0 $\pm$ 2.0 psi	31
13	60	50	3.45	Slowly increase until alarm shuts off		3	closed	alarm off	45.0 psi MAX	42
14	60	Slowly reduce to 30	Slowly reduce to 2.07	50	3.45	3	closed	alarm on	30.0 $\pm$ 2.0 psi	30
15	60	Slowly increase until alarm shuts off		50	3.45	3	closed	alarm off	45.0 psi MAX	38
16	60	50	3.45	50	3.45	MAX (30)	closed	flow rate	30.0 lpm MIN	30
17	60	50	3.45	0		MAX (30)	closed	flow rate	30.0 lpm MIN	26.3
18	60	0		50	3.45	MAX (30)	closed	flow rate	30.0 lpm MIN	22.7
19	60	50	3.45	50	3.45	MAX (30)	open	flow rate	30.0 lpm MIN	29.8

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

Name: Phil Crossley

Date: 24th September 2024

Signed: _____