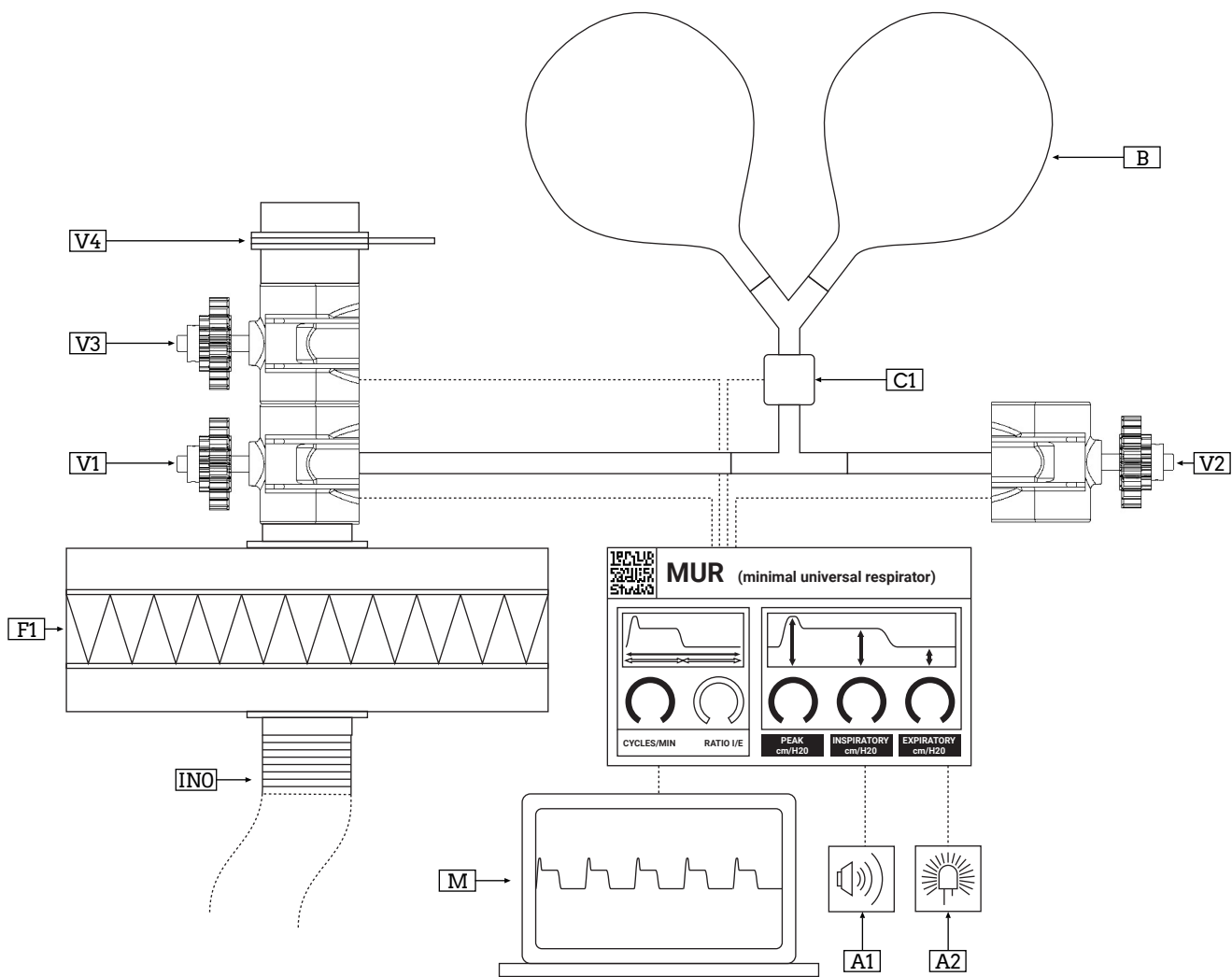
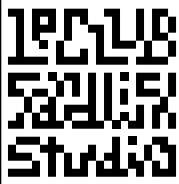


# MUR (Minimal Universal Respirator)

C+7 DAYS (24/03/2020)  
Le Club Sandwich Studio

MUR\_V0\_FUNCTIONAL DIAGRAM\_24/02/2020

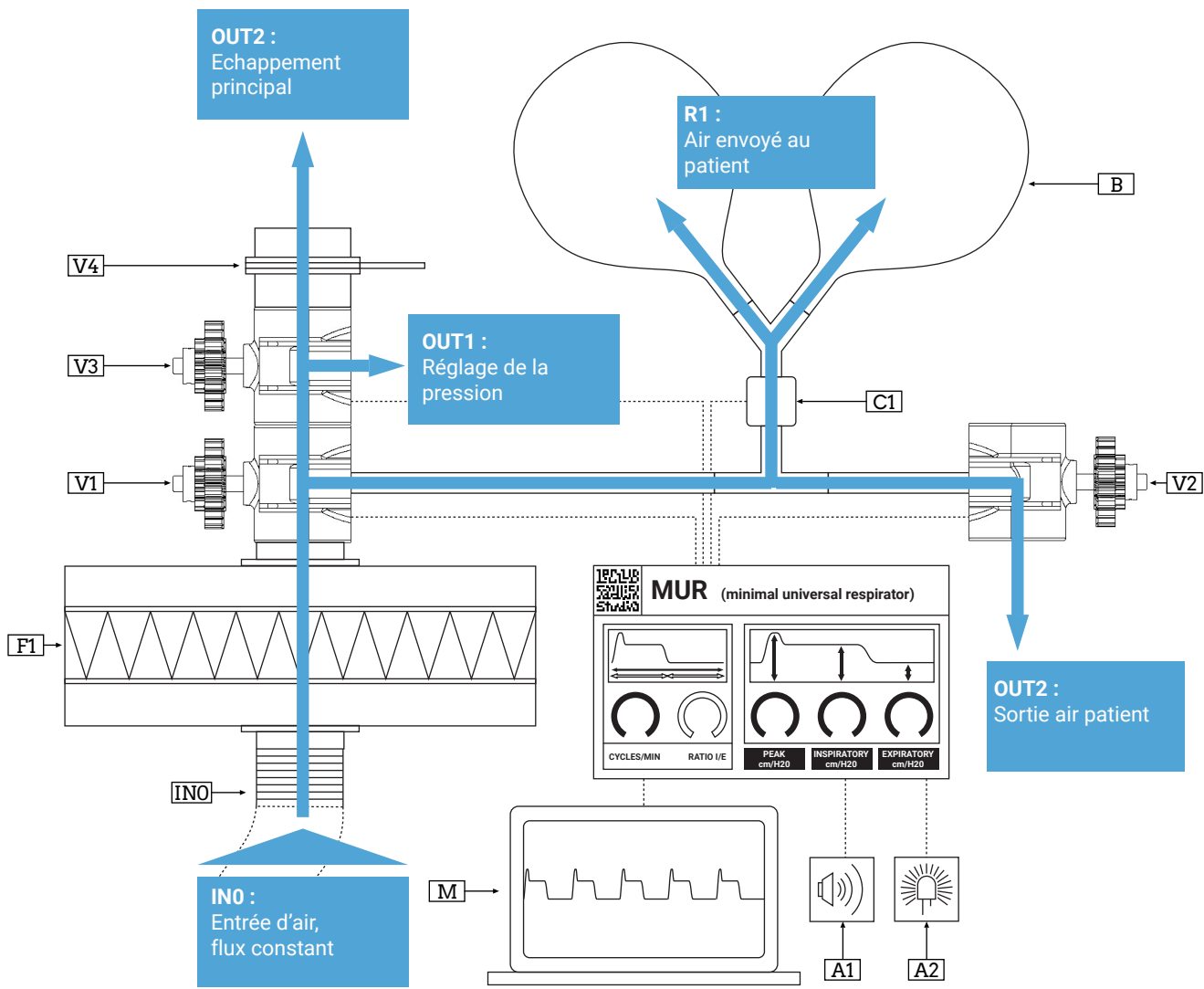


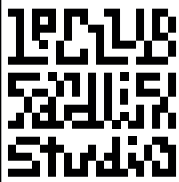


# MUR (Minimal Universal Respirator)

C+7 DAYS (24/03/2020)  
Le Club Sandwich Studio

MUR\_VO\_FUNCTIONAL DIAGRAM\_24/02/2020

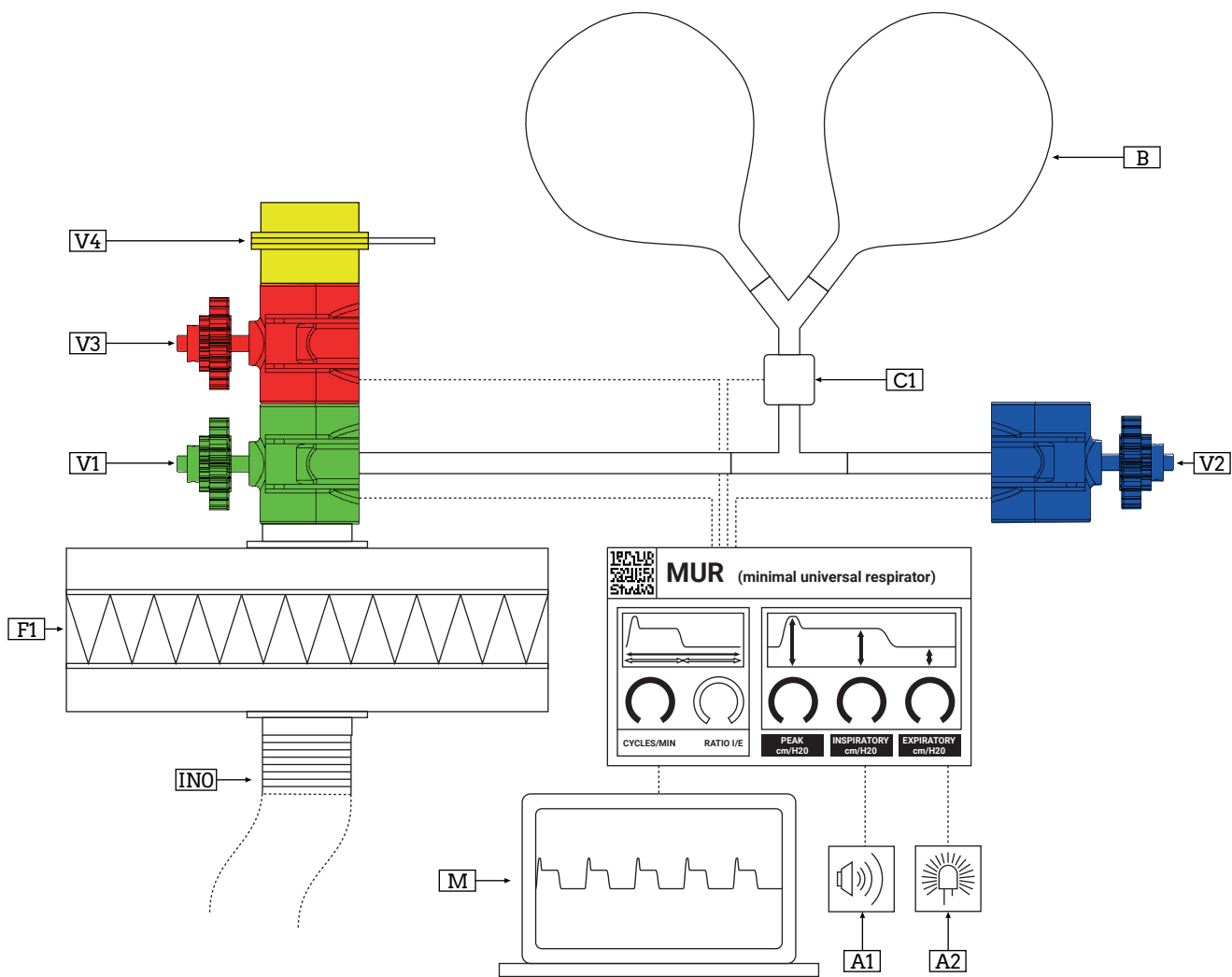




# MUR (Minimal Universal Respirator)

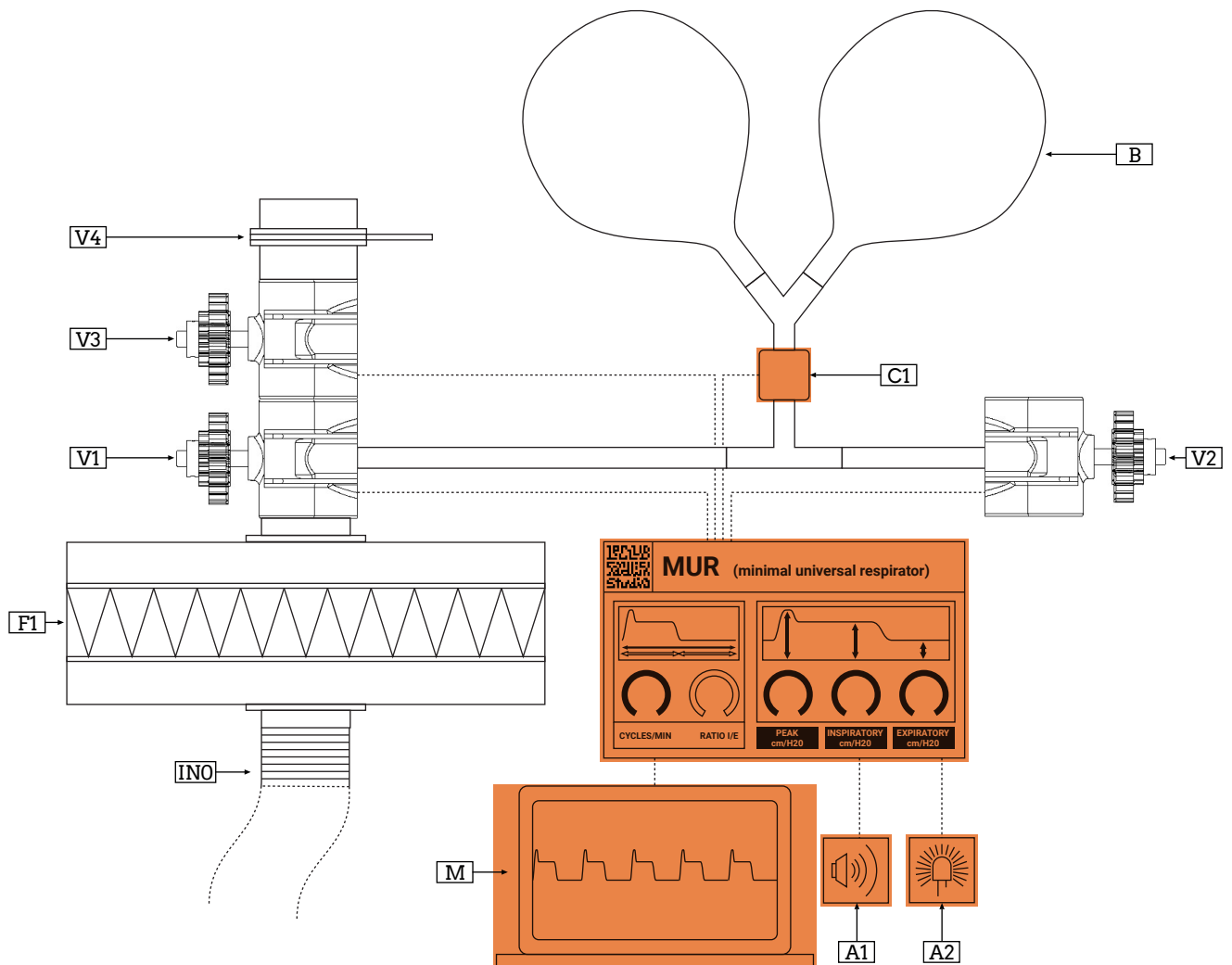
C+7 DAYS (24/03/2020)  
Le Club Sandwich Studio

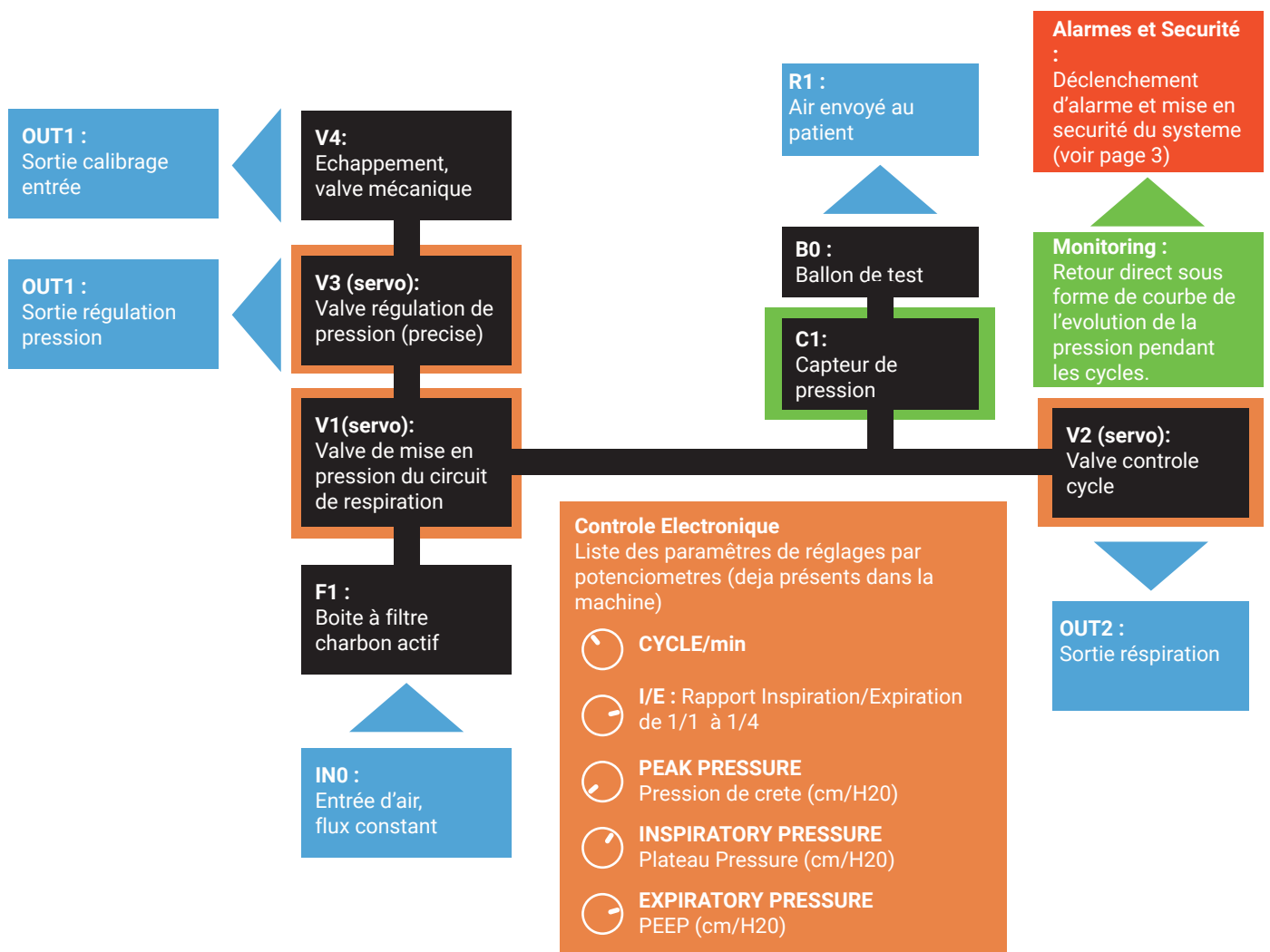
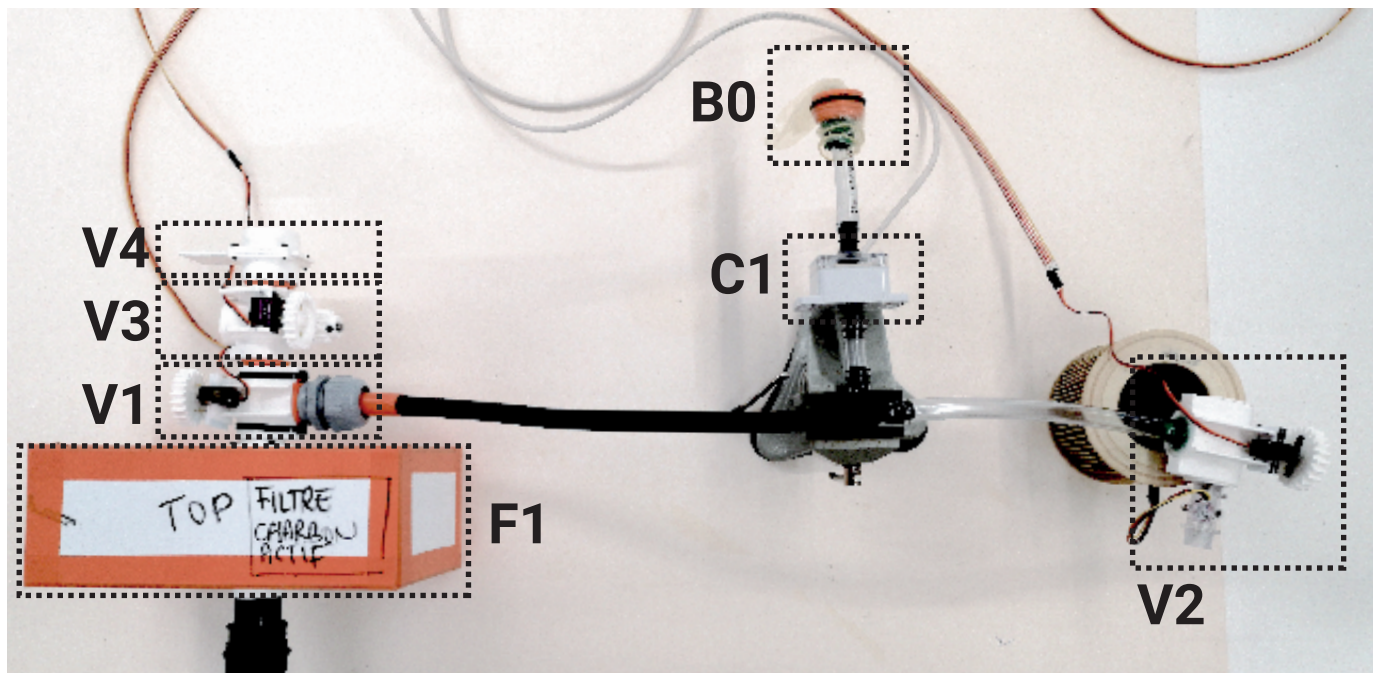
MUR\_V0\_FUNCTIONAL DIAGRAM\_24/02/2020



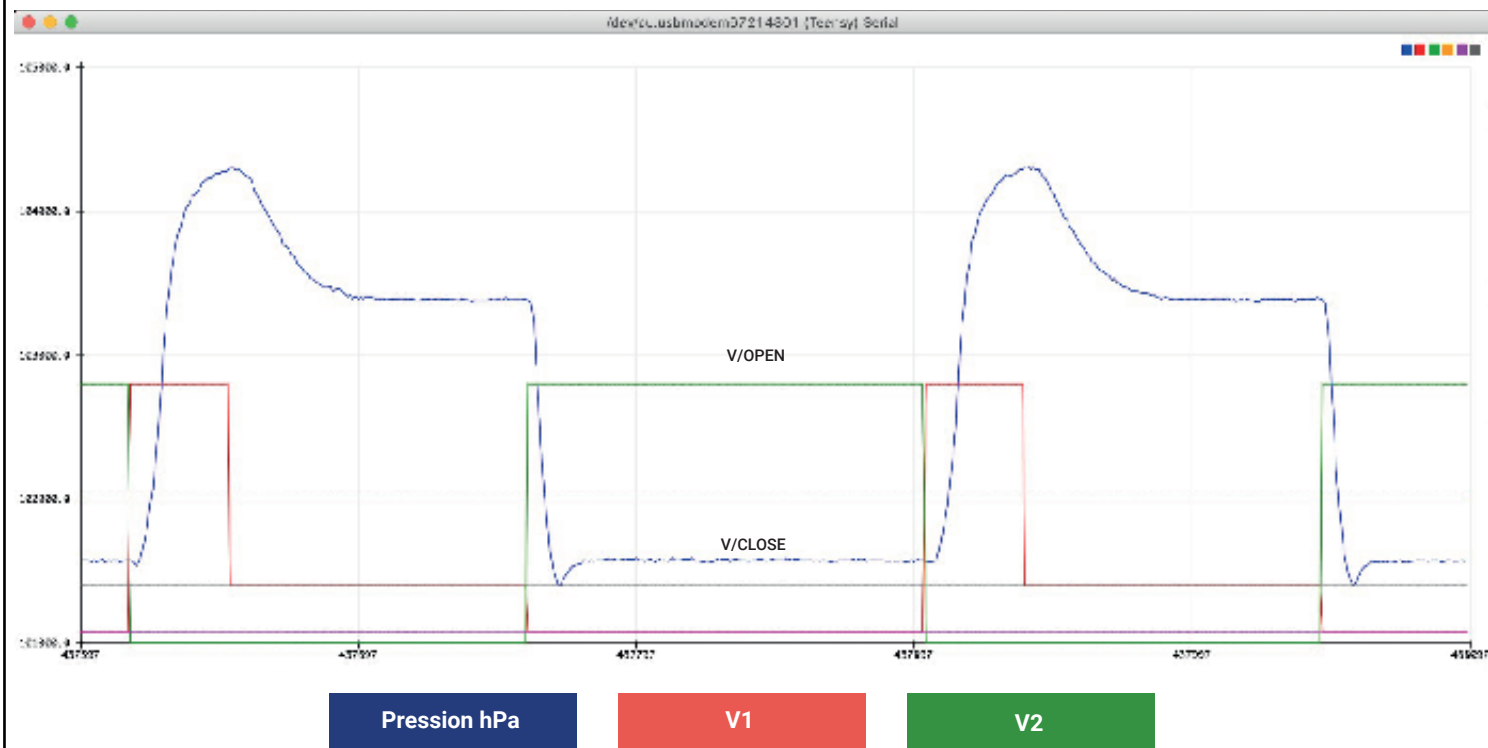
PRESSURE C1 (cmH2O)							
	V1	80	50	10	80	60	30
	V2	0	0	100	0	0	
	V3	20	20	20	40	40	40
	V4	20	20	20	20	20	20

\* False values, just an explanation of the servo's sequence

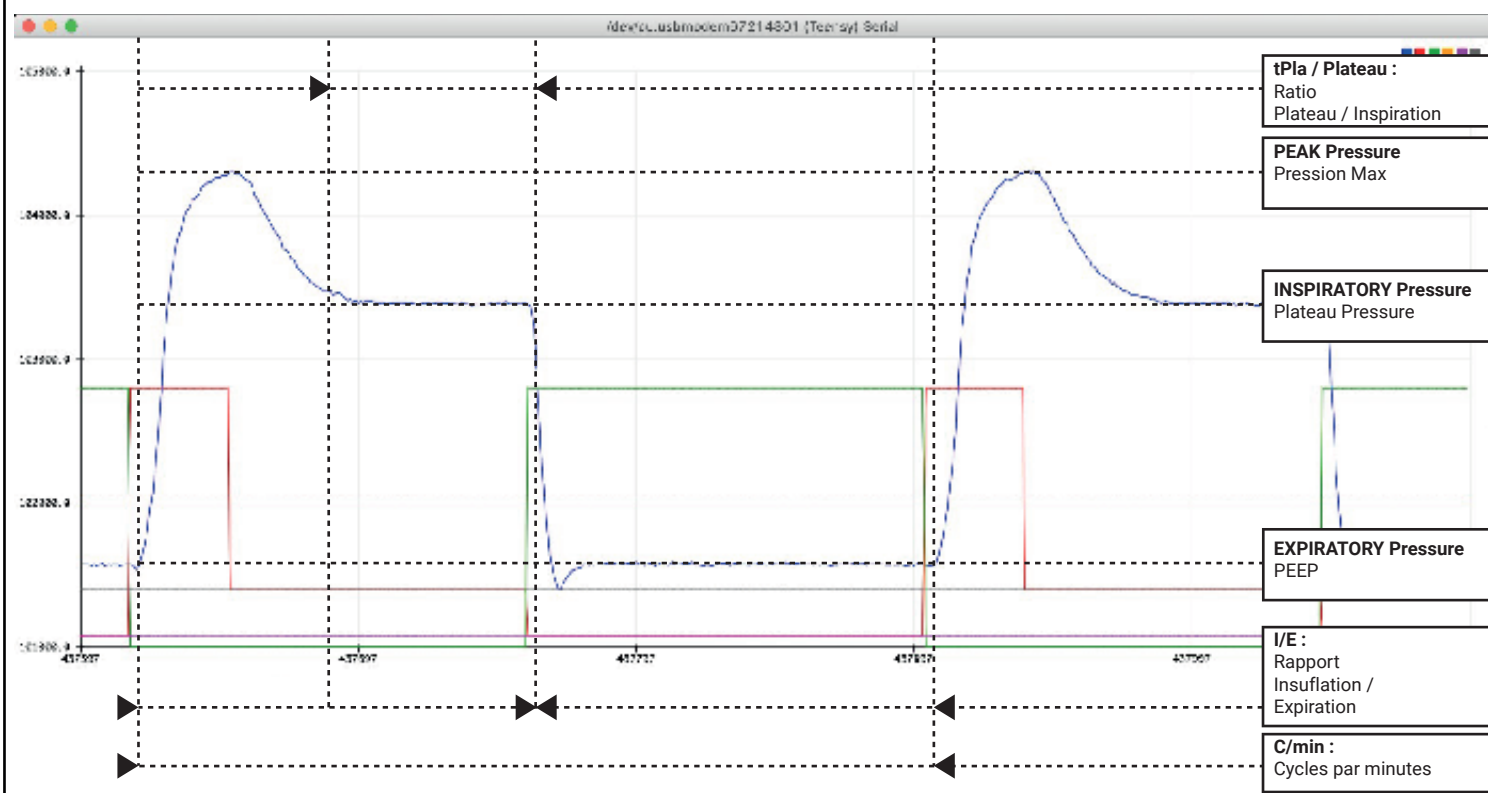




## A. PRESSION (C1) ET CYCLES OUVERTURES VALVES



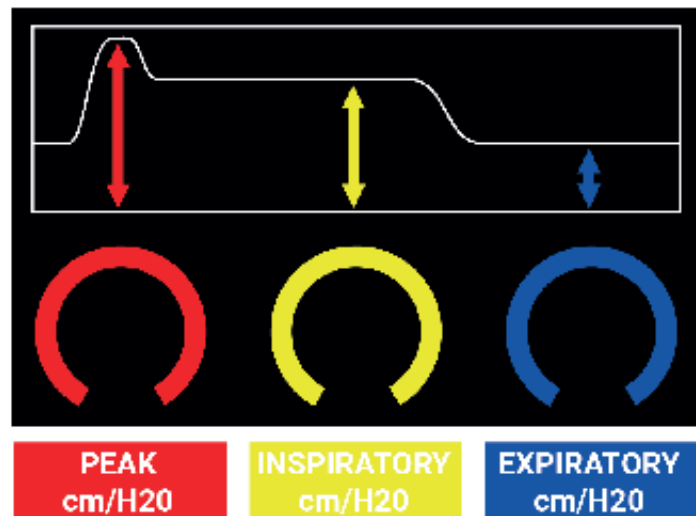
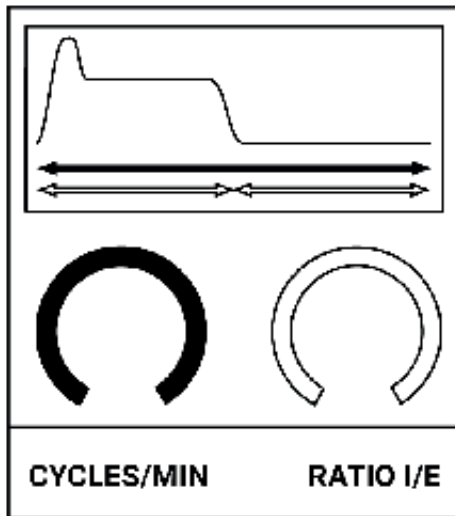
## B. VARIABLES ET CONTROLE



## C. HUMAN MACHINE INTERFACE (CONTROL PANEL)



### MUR (minimal universal respirator)



## D. CONTROLS, ALARMS AND SAFETY

CONTROL	CYCLES / MIN	RATIO I/E	PEAK PRESSURE	INSPIRATORY PRESSURE	EXPIRATORY PRESSURE
NAME	C/MIN	I/E	PP	IP	PEEP
UNIT	X / MIN	ms / ms	cm/H2O	cm/H2O	cm/H2O
RANGE	10 C/min to 30 C/min	1/1 to 1/4	0 / 60	0 / 40	0 / 30
ALARM			IF PP > 50 SOUND AND VISUAL ALARM 1	IF IP > 30 SOUND AND VISUAL ALARM 1	IF PEEP > 20 SOUND AND VISUAL ALARM 1
			IF $\Delta PP > 20$ SOUND AND VISUAL ALARM 2	IF $\Delta IP > 20$ SOUND AND VISUAL ALARM 2	IF $\Delta PEEP > 20$ SOUND AND VISUAL ALARM 2
SAFETY			IF PP > 60 MECHANICAL EXHAUST AND NEXT CYCLE	IF IP > 60 MECHANICAL EXHAUST AND NEXT CYCLE	IF IP > 60 MECHANICAL EXHAUST AND NEXT CYCLE



C+5 DAYS (22/03/2020)  
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Proposition de conception simple

