

AAU Pandemic Ventilator

PN-RI001-80-001-A-BOM AAU Pandemic Ventilator (Bill of Materials)

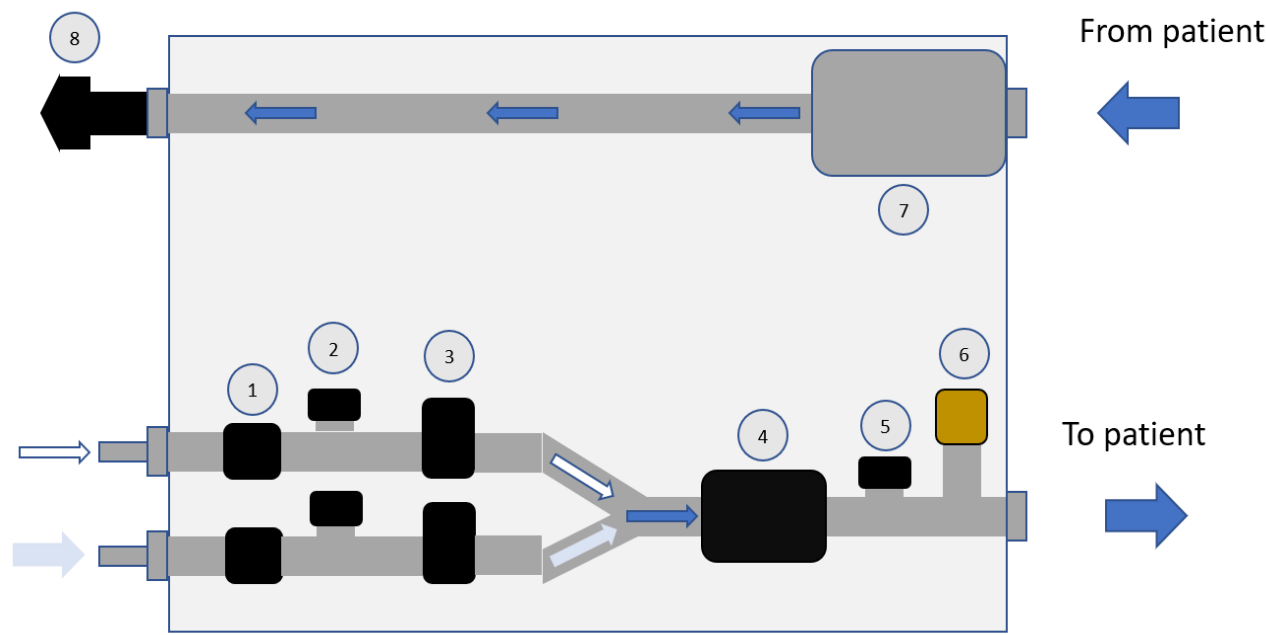


Figure 1: Part overview

PART CATEGORIES	ID	Definition
	FUNC	Functional components
	UI	User input and control
	EXT	External connections
	BOX	Box
	ASM	Assembly

Notice:
The parts included here are examples of parts that have been used to build the AAU pandemic ventilator. The list should not be interpreted as endorsement by Aalborg University for any of the manufacturers or manufacturers parts included here.

PART NUMBER	CAT	DESCRIPTION	QTY	VENDOR CODE	VENDOR	COMMENT
	FUNC	Regulator Medical G1/8 0-4bar AIR/O2	2	RM1H-1GD-NDV	Norgren A/S	# 1 on figure
	FUNC	Manometer 0-10 bar Ø40mm G1/8" Ned	2	17131106	FLAIRMO DK	#1 on figure
	FUNC	Tryksensor 0-10 bar G1/4" 4-20mA M12	2	PT5404	IFM electronic A/S	#2 on figure
	FUNC	Proportional ventil 0-100l/min 24 VDC 3/8" - two options				#3 on figure
	FUNC	Option 1: Proportional ventil 0-100l/min 24 VDC 3/8"	2	PVQ31-5g-23-01-H.x33	SMC A/S	Option 1 - tested
	FUNC	Option 2: Proportional ventil 0-100l/min 24 VDC 3/8"	2	255467	Bürkert Danmark A/S	Option 2 - testing
	FUNC	Option 2: Kabelstik til til styring af proportionalventil	2	316530	Bürkert Danmark A/S	option 2 - testing
	FUNC	Flowsensor -10 - 160 L/min	1	SFM 3020	Sensirion	#4 on figure
	FUNC	Tryksensor 0-0,1 bar G1/4" 4-20mA M12	1	PA3589	IFM electronic A/S	#5 on figure
	FUNC	Overtryksventil	1	AV619, 80 cmH2O	Witt	#6 on figure
	FUNC	Magnetventil 2/2 NC G1" ø25 24VDC 10 bar	1	VXZ262LGK	SMC A/S	#7 on figure
	FUNC	PEEP Ventil 2,5 - 20 cmH2O	1	000 177 000	AMBU A/S	#8 on figure
	UI	PLC CompactLogix 5370 Controller 1769-L27ERM-QBFC1B	1	1769-L27ERM-QBFC1B	Wexøe A/S	
	UI	Touchscreen TFT 4" til PLC 2080	1	2711R-T4T	Wexøe A/S	
	UI	Strømforsyning 24VDC 100-230VAC med oplader til bat. backup	1	787-1675	WAGO Denmark ApS	
	UI	Batteri til 24V DC strømforsyning [21003015]	1	787-876	WAGO Denmark ApS	
	UI	Strømforsyning 24VDC til 5 VDC 0,5A	1	787-2801	WAGO Denmark ApS	
	UI	Buzzer 24V DC 80dB(A)	1	107.000.75	WERMA Signaltechnik GmbH + Co. KG	
	UI	Push button 1-polet m. LED 24 V ø22mm	1		FLAIRMO DK	
	UI	Dæksel til push botton og drejeknap	1	800F-AL01	Wexøe A/S	
	EXT	Ilt og luft slange med 1/4M omløber 5m	1	Ilt og luft slange 5m	Dameca A/S	
	EXT	Netkabel 4,5m Hospital stik	1	17152023	FLAIRMO DK	
	BOX	Elskab 400x400x200mmm	1	MAS0404021-R5	Carlo Gavazzi	
	BOX	Håndtag Ø6x140mm	2	RG-1N.140.84	Scandiloc A/S	
	ASM	DIN Skinne	0,4	2288751	Sanistål A/S	
	ASM	Slange PVC KLAR uforst. Ø24/Ø19	0,8	JA3-1924	Roykon	

ASM	M25x1,5 møtrik til kabelforskruning	1 53119030	Miltronic
ASM	Sikring 5x20 5A	1 1716042	Sanistål A/S
ASM	Indgang C14 10 A/250 VAC Sort Skruemontering	1 DD11.0111.1111	ELFA Distrelec A/S
ASM	IEC C13 kabel sikringslåse 43 mm	1 KT0006	ELFA Distrelec A/S
ASM	Kabel M12 (IFM)	3 EVC471	IFM electronic a/s
ASM	Sikringsskuffe 1-polet til indgang C14	1 143-23-370	ELFA Distrelec A/S
ASM	Klemme 4L GRÅ 1,5mm2	4 2001-1401	WAGO Denmark ApS
ASM	Klemme 4L PE GRØN/GUL 1,5mm2	1 2001-1407	WAGO Denmark ApS
ASM	Klemme endestop 4L ORANGE 1,5mm2	1 2002-1492	WAGO Denmark ApS
ASM	Klemme DIN stop GRÅ	1 249-116	WAGO Denmark ApS
ASM	Jumper 2-vejs	2 2001-402	WAGO Denmark ApS
ASM	Relæmondul	2 857-304	WAGO Denmark ApS
ASM	Skotsgennemføring 1/4" x M20	2 51392820	FLAIRMO DK
ASM	Slangenippel Ø22/Ø19 Medical POM	1 51422219 r00	FLAIRMO DK
ASM	Slangenippel Ø22/G1/2" Medical SS316	2 51422248 r00	FLAIRMO DK
ASM	T-stk 1/2" m/n/n BSPP/BSPT/BSPT	1 51534848	FLAIRMO DK
ASM	Slangenippel Ø19 1"	1 17131024	FLAIRMO DK
ASM	G1/2" 6mm kontra møtrik	2 17131034	FLAIRMO DK