List of Components Required for Open Source Ventilator Pakistan v.1

This is the list of components for 1 prototype.

S.No	Part Name	Part Number	Quantity
1	Stepper Motors	NEMA-17, NEMA 23 minimum or larger NEMA 34, or NEMA 42	1
2	DC gear motor	555 metal gear motor 24VDC	1
3	Pressure Sensor - 2 to +2 kPa	MPXV7002GP/DP -MPS20N0040D-D	2
4	Pressure Sensor - 100kPa	Honeywell SSCDRRN100MDAA5 MPX5010DP upto 10KPa	1
5	Thermal Flow sensors	Sensirion - Gas Meter Model G6 16.7SLPM SFM300 200C - FS1012 - 1100-NG - TSI 840532 - YF-210	1
6	PEEP diverters	peep valve diverter	1
7	PEEP valves	Ambu peep Valve	1
8	Ambu Bags	For Adult	1
9	Ardino Mega/Rasberry pi	Arduino MEGA - for low level work, Raspberry Pi for GUI/Graph IF NEEDED	1
10	LCD	20x4 LCD with I2C	1
11	Digital Control Knobs	Linear potentiometers	6
12	O2 sensor	O2 oxygen sensor 4OX-V 40XV 4OX(2) 4OXV-2 4OX-2 4OXV CiTiceL	1
13	Oxygen Pulse Oximeter	Sensor USB Finger Pulse Oximeter	1
14	End Tidal CO2 sensor	CCS811 MG-811	1
15	12V battery	Laptop battery/ lipo battery	1
16	Stepper motor driver	A4988 TRINAMIC driver	1
17	Structure	3d prints or accrelic cutouts	1
18	Alarms	3v Active Buzzer Magnetic Long Continous Beep Ton	7
19	Connecting wires	Wires	multiple
20	Acrylic casing		1
21	Tactile Buttons		1

This is from Open Source Ventilator Pakistan. Your support in this project and purchasing/sourcing these components will help save lives all across the world.