# Parts to Buy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Part Name | Manufacturer | Part Number | Price | Quantity Needed | Total |
| Proximal Flow Sensor | Sensirion | SFM3300-AW | $ 300.00 | 1 | $ 300.00 |
| Arduino Board | Arduino | UNO | $ 40.00 | 1 | $ 40.00 |
| Bluetooth Module | DSD Tech | HM-10 | $ 12.00 | 1 | $ 12.00 |
| Humidity/Temperature Sensor | AZDelivery | DHT22 | $ 6.00 | 1 | $ 6.00 |
| Immersion Heater | Graigner | WWG2E756 | $ 8.00 | 1 | $ 8.00 |
| Mask | RedMEd | Dependant on Individual | ~ $. 140 | 1 | $ 140.00 |
| Atomizer | Gikfun | EK1868 | $ 9.00 | 1 | $ 9.00 |
| PEEP Valve | AMBU | D4-177 | $ 10.00 | 1 | $ 10.00 |
| Air Compressor | Precision Medical Inc. | PM 15 | $ 550.00 | 1 | $ 550.00 |
| Oxygen Regulator | O-Two | 01RO01003-B | $ 10.00 | 1 | $ 110.00 |
| Oxygen/Air Blender | Maxtec | R223P08 | $ 300.00 | 1 | $ 300.00 |
| Tube | RedMed | 14999 | $ 20.00 | 1 | $ 20.00 |
| HEPA Filter Paper | Generic | AG36855-6-CDCPF | $ 12.00 | 1 | $ 12.00 |
| Pressure Reducing Valve | Pneumatic Plus | PPR2-N02BG | $ 30.00 | 1 | $ 30.00 |
| Pressure OEM-EP | Parker |  | $ 150.00 | 1 | $ 150.00 |
| Y-Piece and Non-return Valve | RICO SUCTION LABS | 2048P | $ 15.00 | 1 | $ 15.00 |

# Parts to 3D-print

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Part Name | Manufacturer | Part Number | Avg Filament Price (per kg) | Approximate Weight (kg) | Quantity | Total |
| Humidifier Chamber | User | N/A | $ 25.00 | 0.1 | 1 | $ 2.50 |
| HEPA Filter Chamber | User | N/A | $ 25.00 | 0.2 | 2 | $ 5.00 |

# Total budget

**$ 1,712.00**