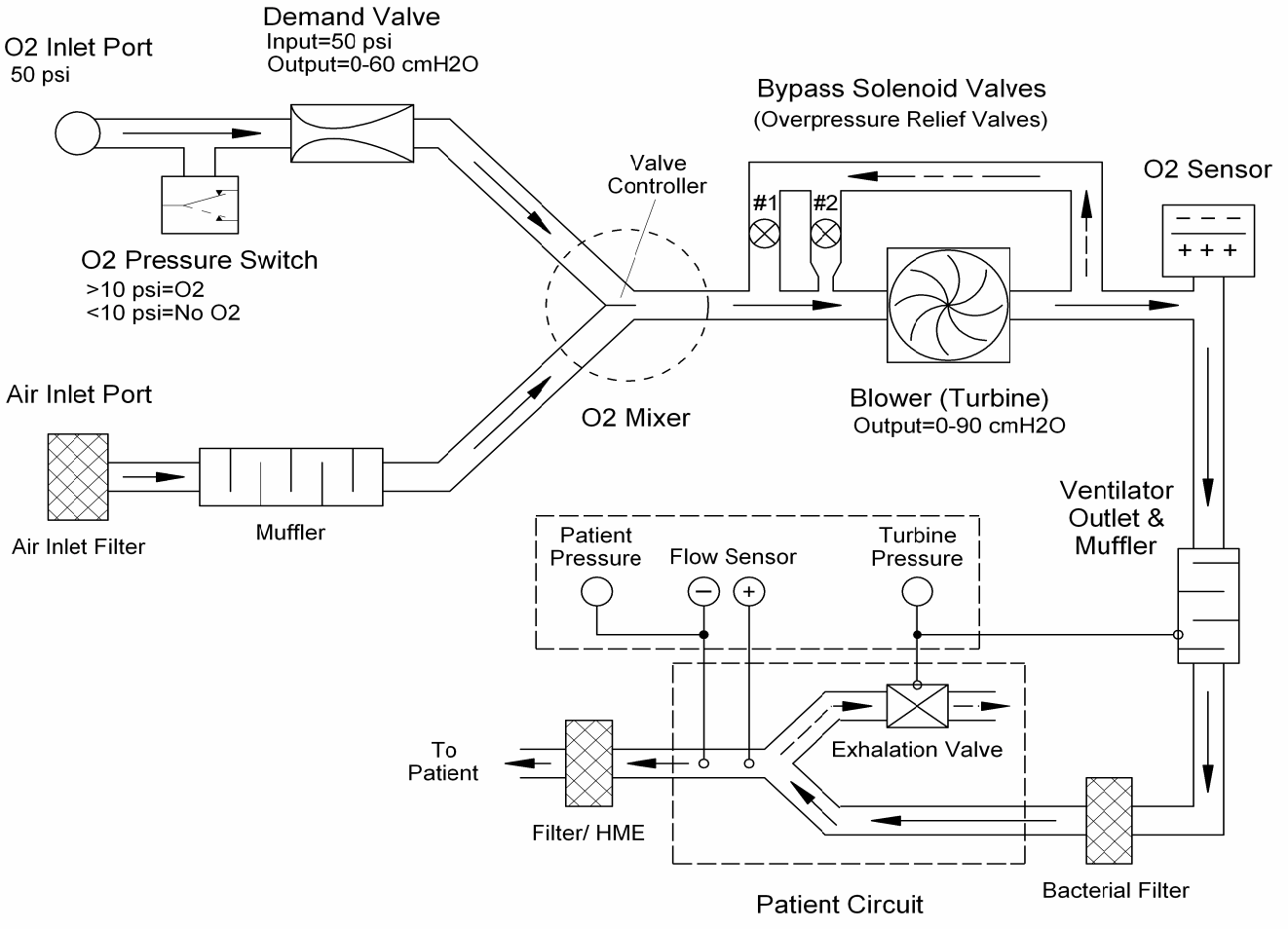
O2 Inlet Port
50 psi
Demand Valve
Input=50 psi
Output=0-60 cmH2O
Bypass Solenoid Valves
(Overpressure Relief Valves)
Valve
Controller
#1
#2
O2 Sensor
O2 Pressure Switch
>10 psi=O2
<10 psi=No O2
Air Inlet Port
O2 Mixer
Blower (Turbine)
Output=0-90 cmH2O
Air Inlet Filter
Muffler
Ventilator
Outlet &
Muffler
Patient
Pressure
Flow Sensor
Turbine
Pressure
To
Patient
Exhalation Valve
Filter/ HME
Bacterial Filter
Patient Circuit