

PRESSURE SYSTEM

HIGH PRESSURE SYSTEM

⇒ Receives gases at cylinder pressure & reduce it to more constant pressure

N₂O : 745 psig

O₂ : 1900 - 2200 psig

- 1) Hanger Yoke (connects cylinder to Machine)
- 2) Cylinder pressure Gauge (indicates gas pressure in the cylinder)
- 3) Pressure regulator (converts high variable pressure to lower constant pressure)

INTERMEDIATE PRESSURE SYSTEM

(34 to 55 psig)

⇒ Receives gas from regulator or Hospital pipe line & delivers them to flow control valve or O₂ flush valve.

Include:

- ① Pipeline Inlet connections
- ② Pipeline pressure gauges
- ③ Pipeline
- ④ Gas power outlet for ventilator.
- ⑤ Master switch that provides both pneumatic & electric power to the system
- ⑥ O₂ pressure failure device
- ⑦ O₂ flush valve
- ⑧ Flow control valves

LOW PRESSURE SYSTEM

(5 to 8 psig)

- ① Flow Meters
- ② Back pressure safety devices
- ③ Low pressure piping
- ④ Common gas outlet.

