

SPARK VENT
v0.2
Piston Bellows

Oxygen

Air

Weight

Adjust Weight to
adjust Tidal Volume

Piston Bellows

Seal

Glove

Scavenger

| Insp. | Exp. | Mix |
|--------|--------|--------|
| Open | Closed | Closed |
| Closed | Open | Open |
| Closed | Open | Open |
| Open | Closed | Closed |
| Closed | Open | Open |
| Closed | Open | Open |
| Open | Closed | Closed |
| Closed | Open | Open |
| Closed | Open | Open |

Time ↓

1x cycle

Total Flow Rate = Minute Volume

Neg. Pressure
Valve Inlet

Mix

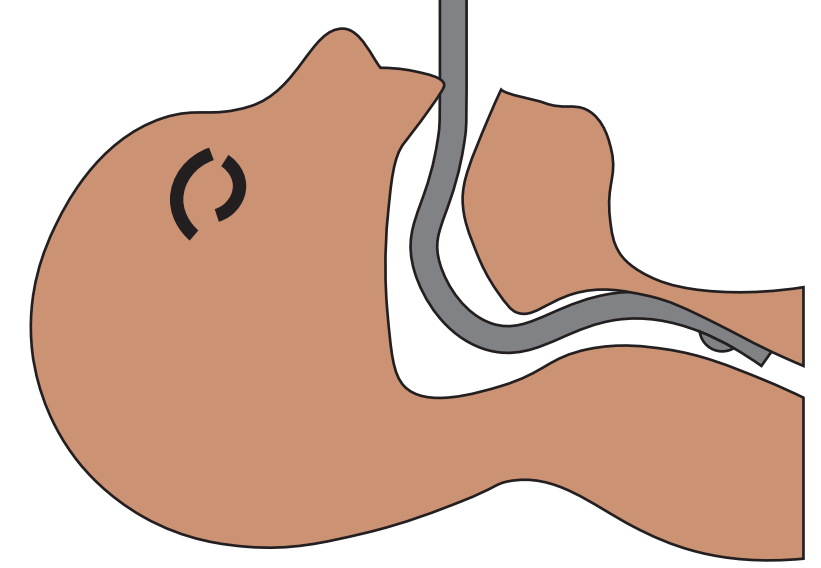
Electric Motor
Resp. Rate = RPM

Insp.

Exp.

Accumulator

~2cm
Negative
Pressure
Valve



Patient

~10cm
PEEP
~30cm
Max press.

Sealed Bucket