

**SPARK VENT**  
v0.2.1  
Piston Bellows

Oxygen

Air

Seal

Glove

Weight

Adjust Weight to  
adjust Tidal Volume

Piston Bellows

Scavenger

Time ↓

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

1x cycle

Total Flow Rate = Minute Volume

Neg. Pressure  
Valve Inlet

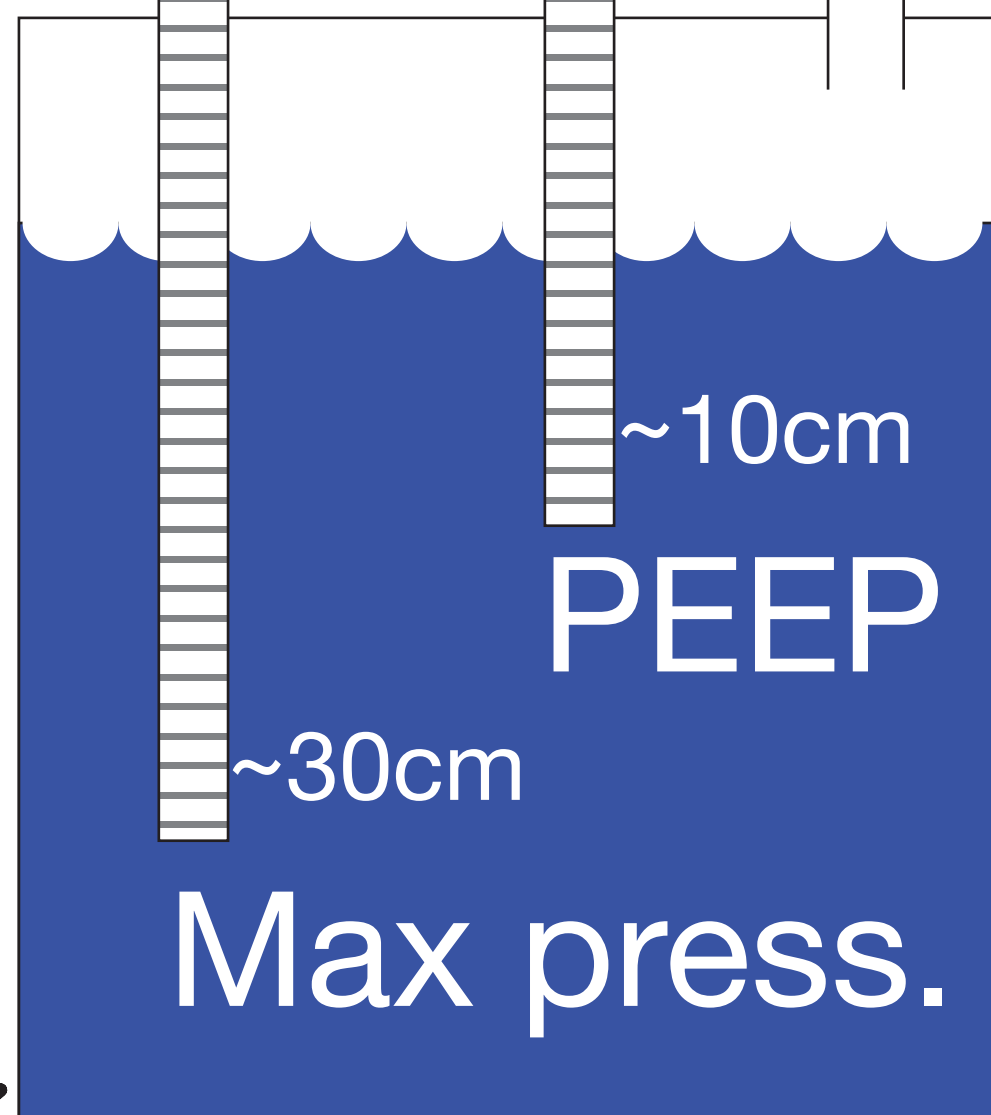
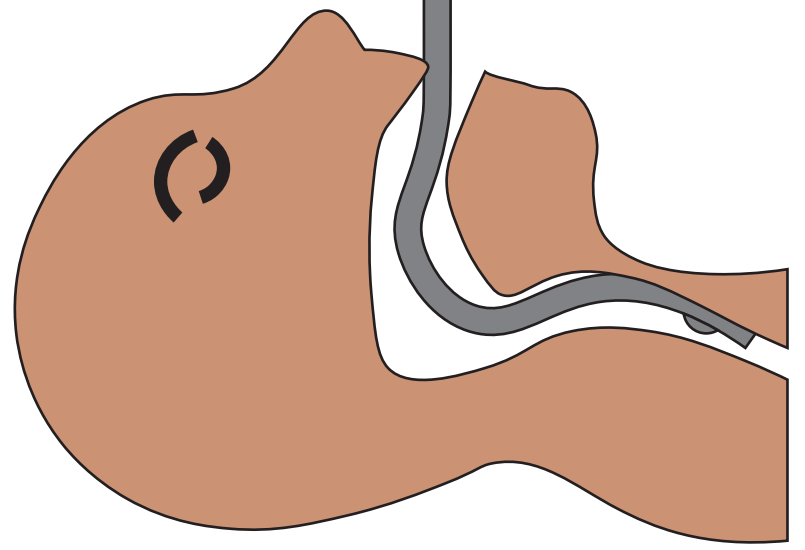
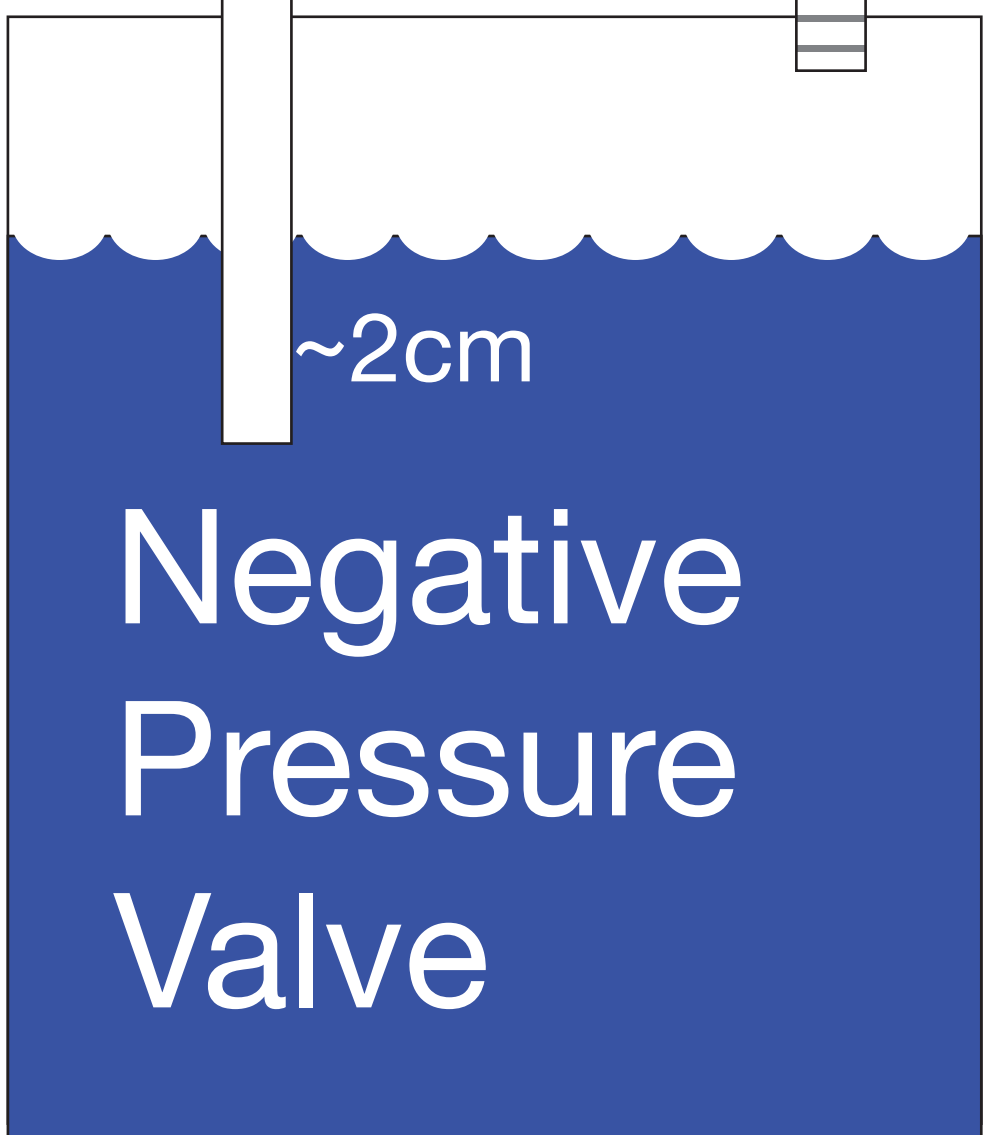
Electric Motor  
Resp. Rate = RPM

Mix

Insp.

Exp.

Accumulator



Sealed Bucket