Assembly instructions

1. Assemble pipe fittings and solenoid valves for inspiratory line as per MO-GA001. Take care to ensure thread tape is used on all male threads. Tighten fittings hand tight and then a further 3/4 turn or more using a spanner.

2. Assemble pipe fittings and solenoid valve for expiratory line as per MO-GA001. Take care to ensure thread tape is used on all male threads. Tighten fittings hand tight and then a further 3/4 turn or more using a spanner.

3. Lower expiratory line into housing. Mount tank fittings onto housing and expiratory line as per MO-GA001.

4. Lower inspiratory line into housing. Mount Tank fittings onto housing and inspiratory line as per MO-GA001.

5. Mount all sensors in T-junctions as per MO-GA001 & MO-PID-001. Ensure sensors are mounted using correctly modified 1" BSP blanking plugs.

6. Mount "raspberry pi controller", "12V Relay Board", "12-5V DC-DC" converter and "230V AC 12V DC UPS" as per MO-E-001

7. Mount the above electrical controls into ventilator housing as per MO-GA001

8. Connect solenoid valves and flow sensors to 12V Relay Board as per MO-E-001 & MO-PID-001

9. Connect humidity and pressure sensors to 5V rail on Raspberry Pi Controller as per MO-E-002 & MO-PID-001

10. Once device has been fully assembled. Consult MO-ITP-001 for Factory acceptance testing

Maintenance and cleaning instructions

Cleaning

Exterior

1. Disconnect hoses and filters
2. Wipe the outside of the cabinet with a damp clean cloth. Light solvents and detergents may be used

Interior

1. Clean the exterior, do not connect hoses until interior cleaning is complete
2. Connect a 22mm hose to the expiration connector on the front of the unit
3. Connect the expiration connector at the rear of the unit to a watertight receptacle
4. If a flow sensor is fitted to the expiration channel (this is an optional extra), then this sensor must be removed prior to the following step. Also prior to the following step, screw the supplied blind fitting in place of the flow sensor.
5. Flush ten (10) litres of water-disinfectant solution through, from the front to the rear, of the expiration channel
6. NEVER FLUSH LIQUIDS THROUGH THE INSPIRATION SIDE OF THE MACHINE.

Maintenance

1. The filters and humidifier are external to the unit and should be maintained/replaced as required by the manufacturer
2. The 12v solenoids should be replaced every 4000 hours.