**Alert Flow Chart Representation**

Pip Alert

1)Low Pip

2)high Pip

Low Pip

Pressure Sensor Problem

Blower Problem

User Settings incorrect

Expiratory Valve Problem

High Pip

Controller DAC-1 Problem

Pressure Sensor Problem

Peep Alert

1)Low Peep

2)high Peep

Low Peep

Pressure Sensor Problem

User Settings incorrect

Expiratory Valve Problem

High Peep

Pressure Sensor Problem

Fio2 Alert

1)Low Oxygen

2)high Oxygen

Low Oxygen

User Settings incorrect

Proportional valve Problem

Oxygen Sensor Problem

Servo Motor Problem

High Oxygen

Controller DAC-2 Problem

Proportional valve Problem

Leak Alert

Leak

Expiratory Valve Problem

NRV Problem

Tidal Volume Alert

1)Low Tidal Volume

2)high Tidal Volume

Low Tidal Volume

Blower Problem

User Settings

Expiratory valve Problem

Flow Sensor Problem

high Tidal Volume

Controller DAC-1 Problem

Flow Sensor Problem

Minute Volume Alert

1)Low Minute Volume

2)high Minute Volume

Low Minute Volume

Blower Problem

User Settings

Expiratory valve Problem

Flow Sensor Problem

high Minute Volume

Controller DAC-1 Problem

Flow Sensor Problem

Respiratory Rate Alert

Respiratory Rate Alert

Controller Problem

Patient circuit Disconnected

Patient Circuit Disconnected

Expiratory valve Problem

Pressure Sensor Problem

Proximal Flow Sensor Reverse Direction

Proximal Flow Sensor Reverse Direction

Change the direction of the sensor