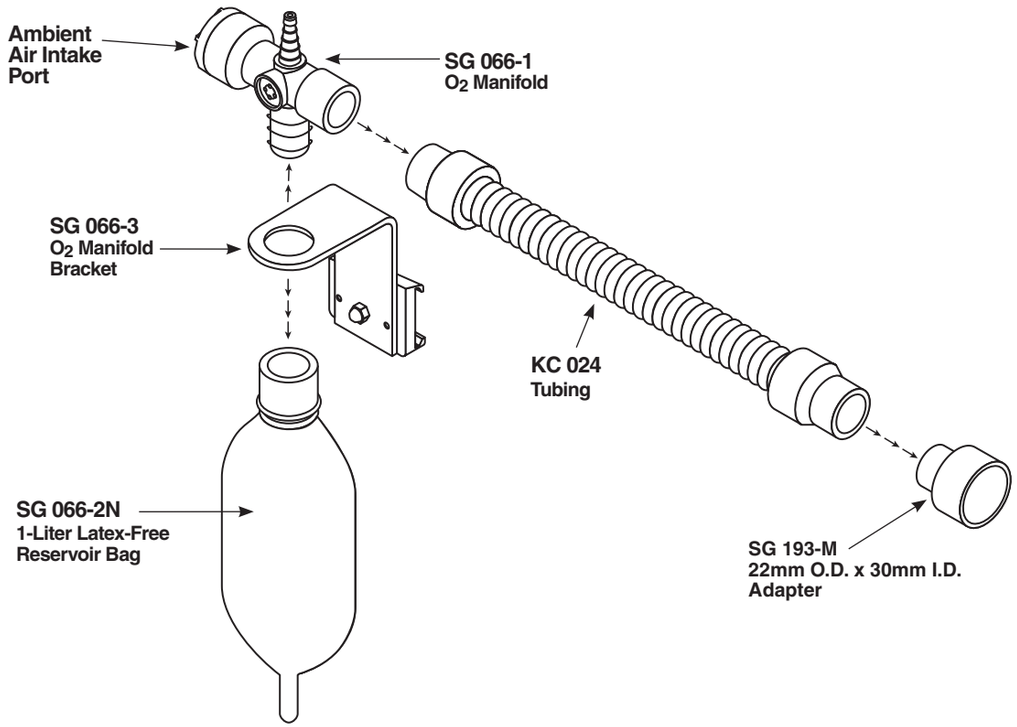
F Cleaning Recommendations

Note: Do not clean Reservoir Bag with alcohol.
Reservoir bag is Single Patient Use.

1. Disassemble the **SG 066 O_2 Enrichment Kit** as illustrated.



2. Wash the **SG 066-1 O_2 Manifold**, the **KC 024 Tubing**, and the **SG 193-M 22mm O.D. x 30mm I.D. Adapter** in warm soapy water. If necessary, use soft, long-bristle bottle brushes to remove all foreign matter.

Caution: Do not attempt to clean the interior of the Reservoir Bag; if using brushes, be sure not to damage the Ambient Air Inlet Port on the O_2 Manifold.

3. Rinse the cleaned parts with water, making certain all soap residue is removed.

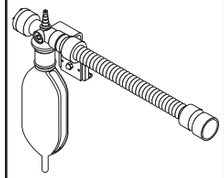
4. Disinfect the **SG 066-1 O_2 Manifold,** the **KC 024 Tubing**, and the **SG 193-M 22mm O.D. x 30mm I.D. Adapter** using one of the following methods:

a. Soak for **30** minutes in a solution of one part white vinegar to three parts water.
Rinse thoroughly.

b. Soak in an approved chemical disinfectant, following the manufacturer's instructions.
Rinse thoroughly.

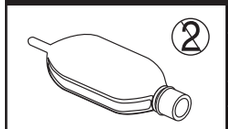
5. Shake excess moisture from all parts and place on a clean towel to air dry. **Do not wipe dry with a towel**; **do not use a blow dryer**. All parts must be completely dry before attaching to the ventilator.

G Product Specifications

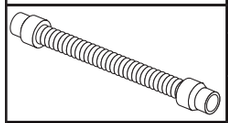


Model #	**SG 066**
Type	**Reusable O_2 Enrichment Kit** *(Single Patient Use Bag)*
Bag Volume	1-Liter
Materials	Polysulfone Silicone Rubber Anodized Aluminum Neoprene Bag

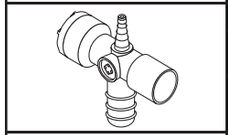
Replacement Parts



Model #	**SG 066-2N**
Type	**Single Patient Use Breathing Bag**
Volume	1-Liter
Materials	Latex-Free Neoprene



Model #	**KC 024**
Type	**Reusable KC Tubing**
Length	24˝



Model #	**SG 066-1**
Type	**Reusable O_2 Manifold**
Materials	Polysulfone Silicone Rubber

Model #	**SG 193-M**
Type	**Reusable Adapter**
Size	22mm O.D. x 30mm I.D.
Materials	Polysulfone

EXPLANATION OF SYMBOLS			
Rx ONLY	Federal law restricts this device to sale by or on the order of a physician.	NON STERILE	Non-Sterile
LATEX	Not manufactured with Natural Rubber Latex	PHT DEHP	Not manufactured with Di(2-ethylhexyl) phthalate (DEHP)
	Manufacturer	2	Single Patient Use

Instrumentation
Industries, Inc.
2990 Industrial Blvd. • Bethel Park, PA 15102
US Toll Free: **1-800-633-8577**
Business: **1-412-854-1133**
US Toll Free Fax: **1-877-633-8661**
Fax: **1-412-854-5668**
E-mail: **sales@iiimedical.com**
www.iiimedical.com

Instrumentation
Industries, Inc.

O_2 Enrichment Kit

Installation & Usage Directions

SG 066

Reusable

Rx ONLY · NON STERILE · LATEX · PHT DEHP

11-15

ECO 2378 Rev. D

A Indications for Use

The SG 066 Oxygen (O_2) Enrichment Kit is designed for use on certain ventilators to provide higher concentrations of oxygen to the patient by mixing room air with an oxygen source at the proximal airway.

B Contraindications

None known.

C Cautions & Warnings

Warning: Never operate the **SG 066 O_2 Enrichment Kit** without securing it to a ventilator.

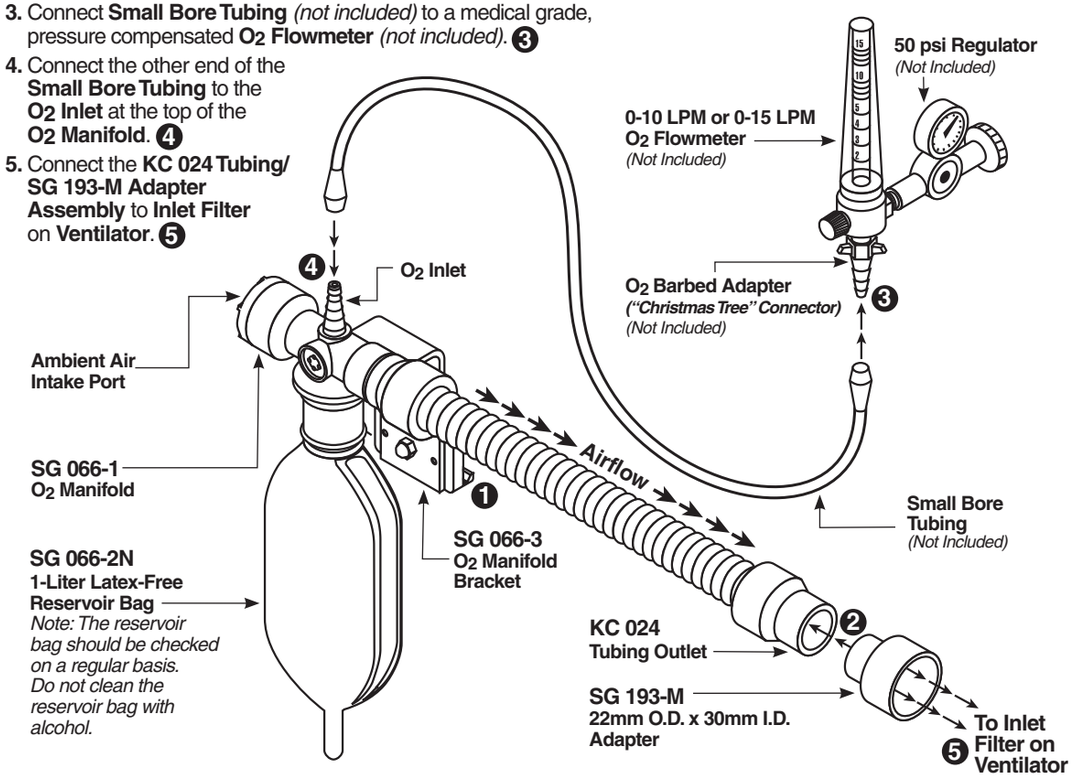
Warning: The **SG 066 O_2 Enrichment Kit** is designed to operate with a hospital grade oxygen supply. Pressure should not exceed 10 psi at the **O_2 Manifold Inlet**. Oxygen flow to the **SG 066 O_2 Enrichment Kit** should not exceed 10 liters per minute.

Caution: Ensure that the **Intake Port** is correctly located, so that it cannot be blocked.

D SG 066 O_2 Enrichment Kit Directions for Set-Up

Directions for Set-up:

1. Slide the **SG 066 O_2 Enrichment Kit** onto the mounting rail using the **SG 066-3 O_2 Manifold Bracket**. ❶ Ensure that the **Ambient Air Intake Port** is facing toward the front of the ventilator.
2. Connect the **SG 193-M Adapter** to the **KC 024 Tubing Outlet**. ❷
3. Connect **Small Bore Tubing** *(not included)* to a medical grade, pressure compensated **O_2 Flowmeter** *(not included)*. ❸
4. Connect the other end of the **Small Bore Tubing** to the **O_2 Inlet** at the top of the **O_2 Manifold**. ❹
5. Connect the **KC 024 Tubing/ SG 193-M Adapter Assembly** to **Inlet Filter** on **Ventilator**. ❺



E SG 066 O_2 Enrichment Kit Directions for Operation

A physician must determine if there is a need for supplemental oxygen.

The **SG 066 O_2 Enrichment Kit** can deliver up to 100% oxygen concentration at the proximal airway.

1. Determine the Minute Volume using the following formula:

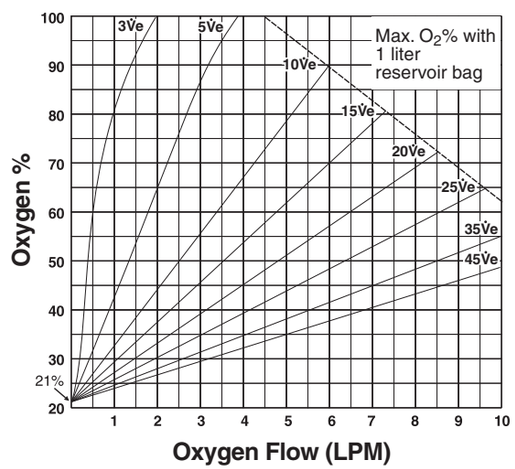
$$\dot{V}_e = (BPM)(V_t)$$

$\dot{V}_e$ = Minute Volume in liters/minute
V_t = Tidal Volume
BPM = Breaths Per Minute

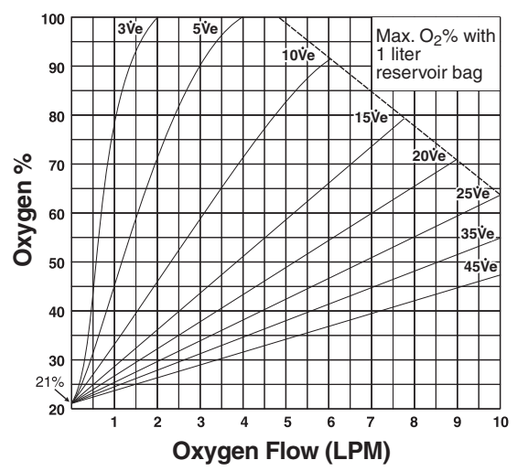
2. Determine the **Inspiratory:Expiratory *(I:E)* ratio** (1:1 or 1:2).
3. After determining the **I:E ratio**, use the tables below:
   - ***a.*** Locate the **percentage of oxygen** required on the **Y-axis**.
   - ***b.*** Locate the predetermined **minute volume** on the **diagram**.
   - ***c.*** Determine the **flow rate of oxygen** needed to achieve the desired **oxygen concentration** by locating the point on the **X-axis** directly below the established intersection.
4. Analyze the delivered **oxygen concentration** for accuracy.

Note: These tables are not applicable if an oxygen concentrator is in use.

1:1 I:E Ratio



1:2 I:E Ratio



Note: *During normal operation of the **SG 066 O_2 Enrichment Kit**, the reservoir bag will partially collapse with each cycle. This is due to the method at which the oxygen is blended with the room air.*