

Pneupac BabyPAC Instructions

**Breathing circuit, NO adapters & NO monitoring line are disposable
Thick silicone tubing & its adapter are not.**

Set-up

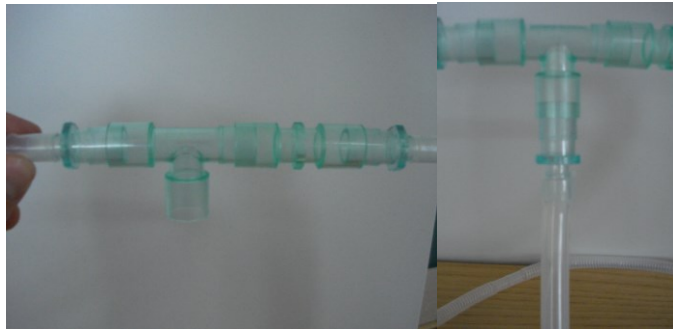
- Check O₂ & air cylinders are full and turned on
- Place bacterial filter over blue outlet & connect breathing circuit to filter & silver outlet
- Block port on Y-piece with attached bung
- Leave yellow bung in place
- Connect O₂ & air hoses to cylinders [as appropriate]
- Set rate using I:E times from this grid [also on top of vent]

T exp ▼	Frequency					
0.25	120	100	80	63	48	27
0.50	80	70	60	50	40	24
1.00	48	44	40	35	30	20
2.00	27	26	24	22	20	15
4.00	14	14	13	13	12	10
T ins ►	0.25	0.35	0.50	0.70	1.00	2.00

- Set F_iO₂ from O₂% dial
 - **21-70%** - use both the O₂ & the air cylinders
 - Read F_iO₂ from yellow dial
 - **50-100%** - use only the O₂ cylinder
 - Read F_iO₂ from white dial
- Select **CMV + ACTIVE PEEP** with **MODE** dial
- Set **PEEP & PEAK INSPIRATORY PRESSURE** as appropriate
- Set **ALARM PRESSURE** > PIP until the alarm is silent in normal operation
- Remove yellow bung & connect HME
- Connect patient & check ABG after 20 minutes if possible
- When at destination
 - **DISCONNECT PATIENT BRIEFLY TO PREVENT PRESSURE BUILD-UP**
 - Connect O₂ & air hoses to wall supply as soon as possible
 - Turn both cylinders off
- When leaving destination
 - Turn on and check both cylinders

Set-up [Nitric Oxide]

- In addition to the breathing circuit, bacterial filter & HME, you will need
 - Small bag of connectors & NO monitoring line
 - Connect circuit as above
- Cut **inspiratory** limb [silver outlet] at smooth area nearest patient & insert 10M / 15M connectors into each end
- Connect 15F / 15F connector to one of these & T-piece to the other [in-line]
- Connect thick NO delivery tube into bottom of T-piece



- Insert 90° Luer elbow into Y-piece & connect NO monitoring line from Printer NOx
- Unscrew black screws from Printer NOx, connect water trap and reattach screws as shown



Nitric Oxide – operation

- Turn vent on as above
- Turn NO cylinder fully on [anti-clockwise], then back it off slightly
- Turn larger regulator valve fully on [clockwise], then back it off slightly
- Turn smaller regulator valve fully on [anti-clockwise], then back it off slightly
- Turn on Printer NOx & select
 - **1. Measurement**
- Adjust flow with flowmeter next to vent until desired concentration achieved and NO₂ begins to decrease

Approximate NO Concentrations @ 10 lpm

<u>Flowmeter setting</u>	<u>NO delivered</u>
125 cc/min	5 ppm
250 cc/min	10 ppm
375 cc/min	15 ppm
500 cc/min	20 ppm

- Titrate prn
- When at destination & baby disconnected, turn cylinder off first
 - Wait for dials to reach zero, then turn off large regulator, small regulator & flowmeter in that order