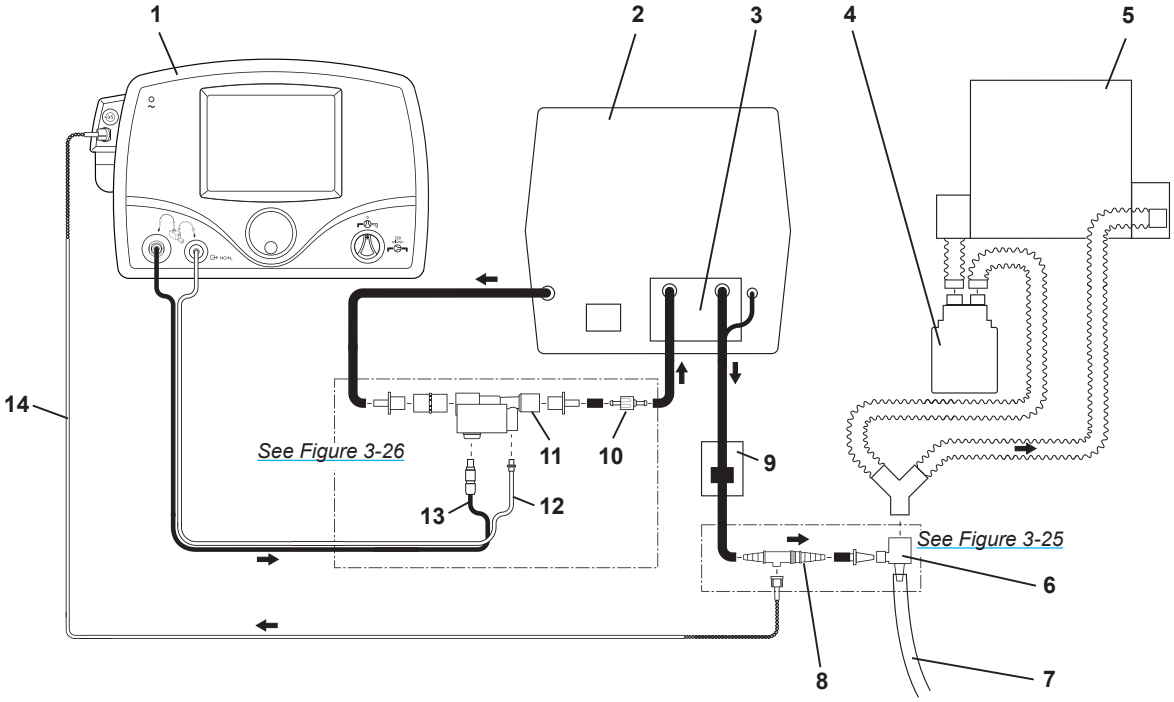
Bunnell Life Pulse High Frequency Ventilator Circuit

WARNING:

- **The integrated pneumatic backup (250 mL/min.) should not be used with the Bunnell Life Pulse as ventilator flow rates are normally below the recommended ventilator flows.**
- **Place the Bunnell Life Pulse in standby prior to suctioning the patient to avoid NO delivery transiently exceeding the set dose by up to 30 ppm. Press ENTER to reestablish ventilation as soon as the catheter is removed from the airway. This will limit the extent of over delivery above the NO set dose.**

Caution:

- If set dose is below five ppm and the Servo pressure is 2.0 psig. or less, this will result in flow rates outside of the specification of the injector module and fluctuating NO values may result.
- A one-way valve should be placed between the injector module and the humidifier chamber to prevent water from backing up into the injector module if the Life Pulse is either put into Standby or cycled OFF.
- There are higher pressures in the breathing circuit than normal; use only parts provided in disposable package #50248 and tightly secure all connections.



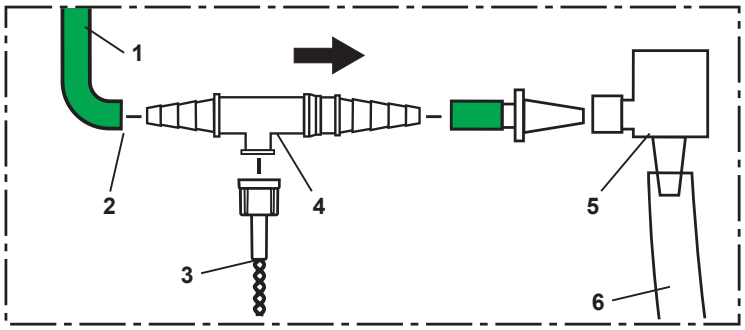
1. INOmax DS_{IR}
2. Bunnell Life Pulse
3. Humidifier
4. Humidifier
5. Conventional Ventilator
6. Life Port Adapter
7. Endotracheal Tube
8. Sample Tee
9. Patient Box
10. One-Way Valve
11. Injector Module
12. NO/N_2 Injector Tube
13. Injector Module Electrical Cable
14. Patient Gas Sample Line with Nafion

Figure 3-24 Example: Bunnell Life Pulse Ventilator Diagram

Connection Instructions:

1. Connect the sample Tee as shown in Figure 3-25.
2. Connect the injector module as shown in Figure 3-26. The one-way valve prevents water from backing up into the injector module if the Life Pulse is either put into standby or cycled OFF.

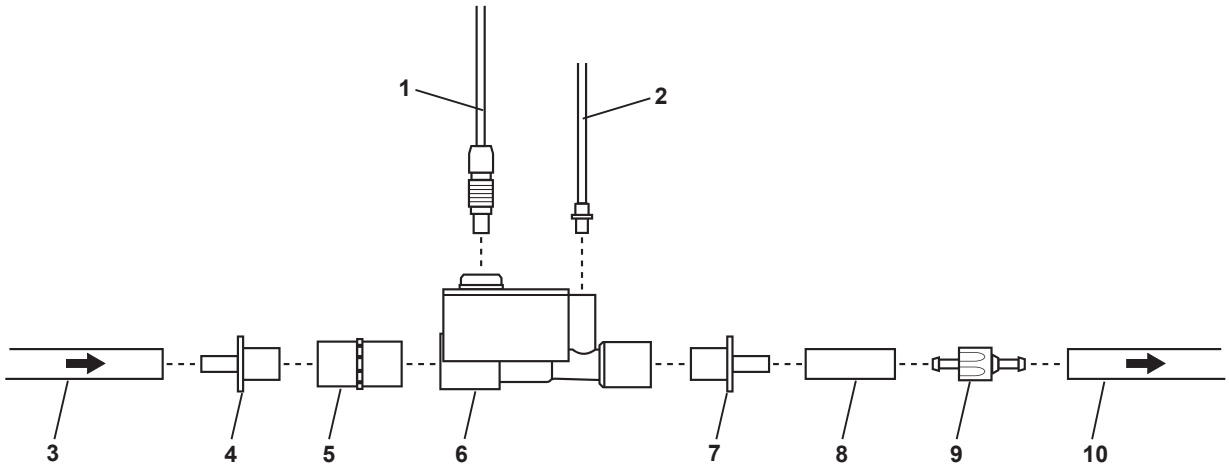
Connecting INOmax DS_{IR} Sample Tee to the Bunnell Life Pulse Circuit



1. From Patient Box
2. Cut Green tube at midpoint
   (approximately six inches from the Life Port Adapter)
3. Patient Gas Sample Line with Nafion
4. Insert Sample Tee
5. Life Port Adapter
6. Endotracheal Tube

Figure 3-25

Connecting INOmax DS_{IR} Injector Module to the Bunnell Life Pulse Circuit



1. Injector Module Electrical Cable
2. NO/N_2 Injector Tube
3. Gas Out Tube from Vent
4. 15M X 4.5 mm I.D. Adapter
5. 22M/15F X 22M/15F Adapter
6. Injector Module
7. 15M X 4.5 mm I.D. Adapter
8. Three cm Piece of Green Gas Out Tube
9. One-Way Valve
10. Green Gas Out Tube to Humidifier

Figure 3-26