

# INOvent<sup>®</sup> delivery system

FOR NITRIC OXIDE THERAPY

## INOvent application update #6

### Connecting the INOvent delivery system to assorted breathing circuits

The INOvent delivery system enables delivery of NO therapy through a wide range of breathing systems. When interfacing the INOvent delivery system with different breathing circuits, specific adapters may be required to connect the inspiratory gas sample tee and/or the injector module.

In many cases, the connectors provided with the INOvent delivery system, and available from Datex-Ohmeda, will be sufficient to facilitate breathing system integration. In some instances, however, breathing circuits (neonatal, pediatric) may require specific adapters available from the circuit manufacturer to accomplish correct inspiratory gas sampling.

The following pages graphically detail connecting the INOvent delivery system to assorted breathing circuits. Illustrations of the adapters and their associated manufacturers and part numbers have been included for your reference.

### Inspiratory gas sampling—overview

The INOvent delivery system provides integrated monitoring of inspiratory gases. The primary components of the integrated monitoring system are the electrochemical sensors, sample pump, display, inspiratory gas sample line and sample tee.

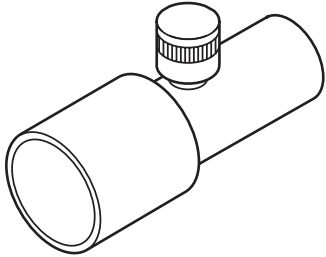
One end of the sample line is connected to the Gas Sample Tee (p/n 1605-3133-000). The sample tee is inserted 6 to 12 inches from the patient wye on the inspiratory limb of the breathing circuit.

Upon switching on the INOvent delivery system, the sample pump activates and continuously draws gas through the integrated monitoring system at a nominal rate of 230 mL per minute. The sampled gas passes over the water trap and NO, NO<sub>2</sub> and O<sub>2</sub> sensors. The monitored values of inspiratory gases are visible on the INOvent delivery system display.

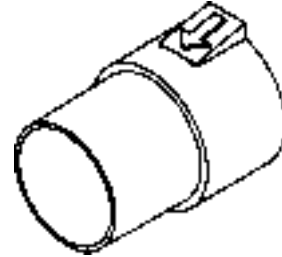
**If you have any questions, please contact  
Datex-Ohmeda Technical Support at  
1-800-345-2700.**

**INOvent adapters**

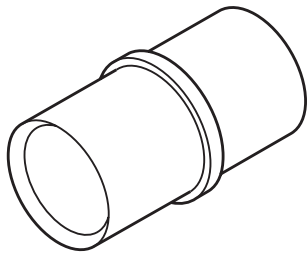
**Datex-Ohmeda adapters**



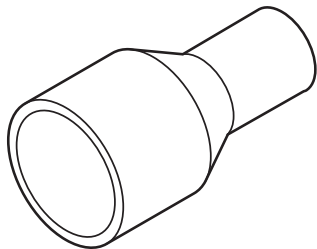
**22M/15F x 15 with gas sample tee**  
**1605-3133-000**



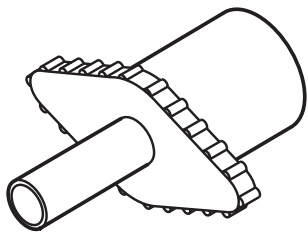
**One-way valve, 22F x 22M**  
**1605-3139-000**



**22M/15F x 22M/15F**  
**1605-3134-000**

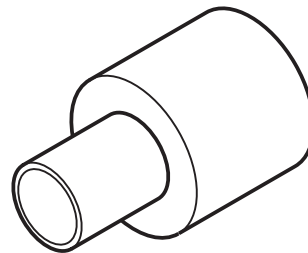


**22F x 15M**  
**1605-3137-000**

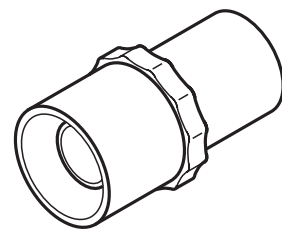


**15M x 4.5MM ID**  
**1605-3138-000**

**Allegiance adapters\***



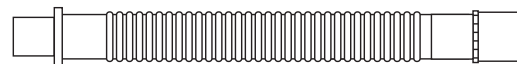
**Allegiance Airlife®**  
**Part number 5910-504**



**Allegiance Airlife**  
**Part number 5974-504**



**Sample tee, O<sub>2</sub> tubing**  
**1605-3171-000**

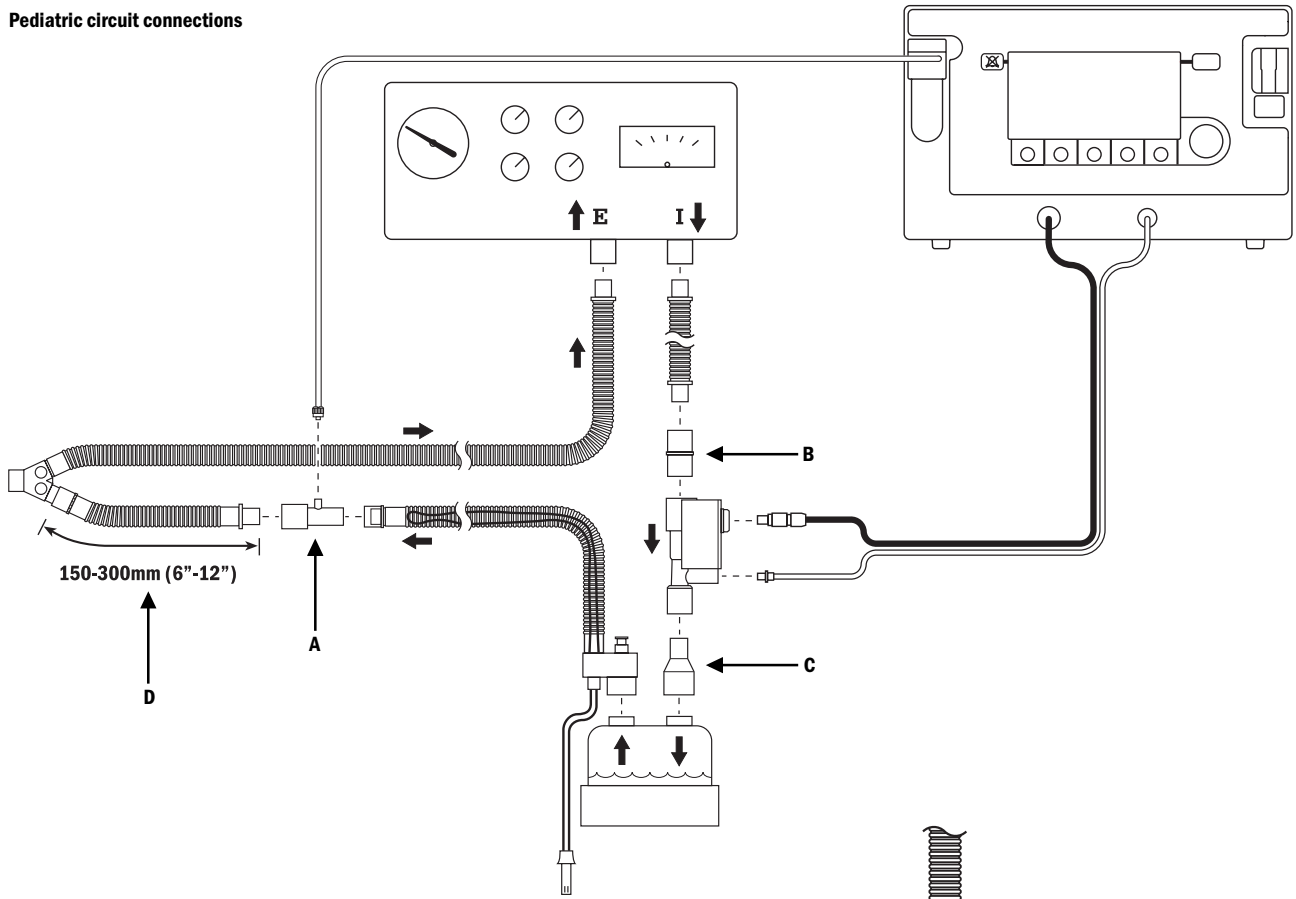


**Allegiance Airlife**  
**Part number 10303N-504**

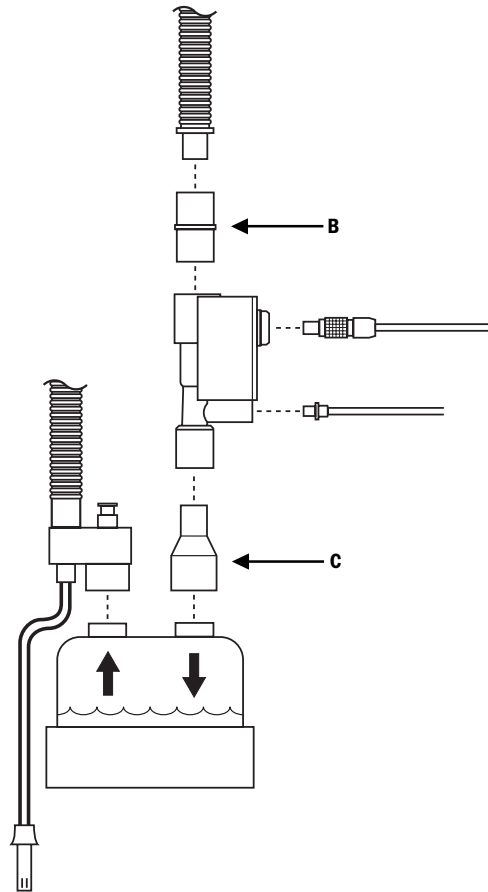
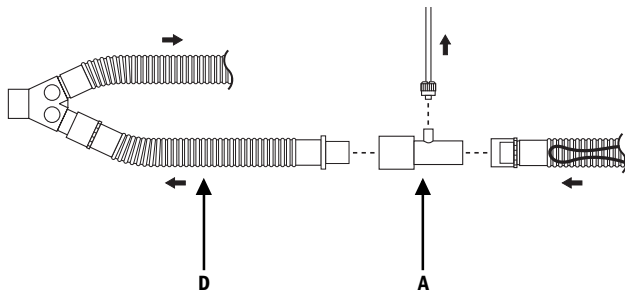
\* Must be purchased directly from manufacturer



## Pediatric circuit connections



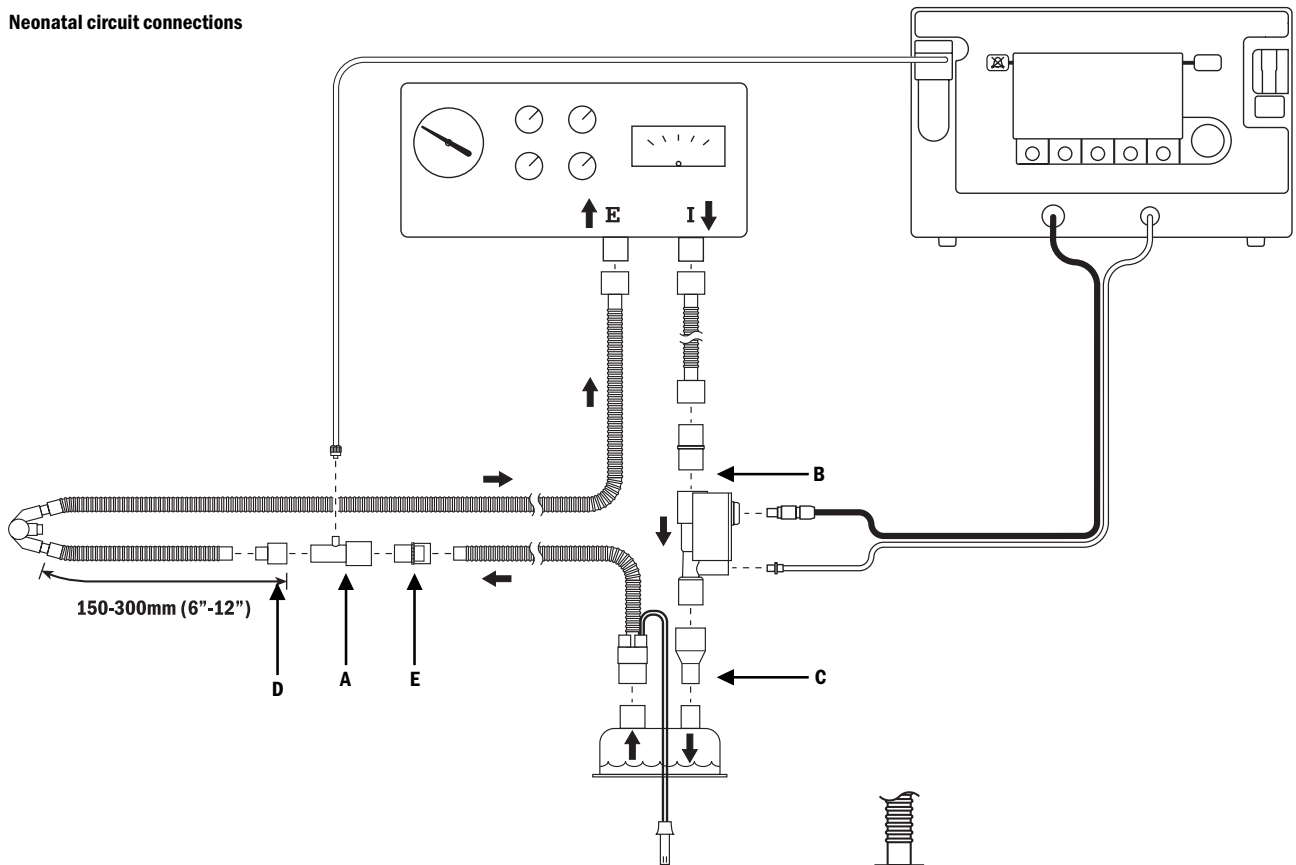
## Pediatric gas sampling circuit connections



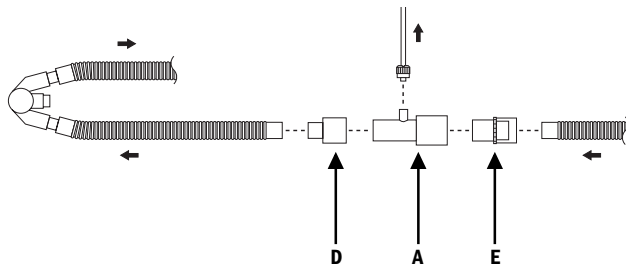
- A. Adapter, 22M/15F x 15M with gas sample tee  
p/n 1605-3133-000
- B. Adapter, 22M/15F x 22M/15F  
p/n 1605-3134-000
- C. Adapter, 22F x 15M  
p/n 1605-3137-000
- D. Allegiance Healthcare Pediatric Adapter  
p/n 10303N-504

Pediatric injector module circuit connections

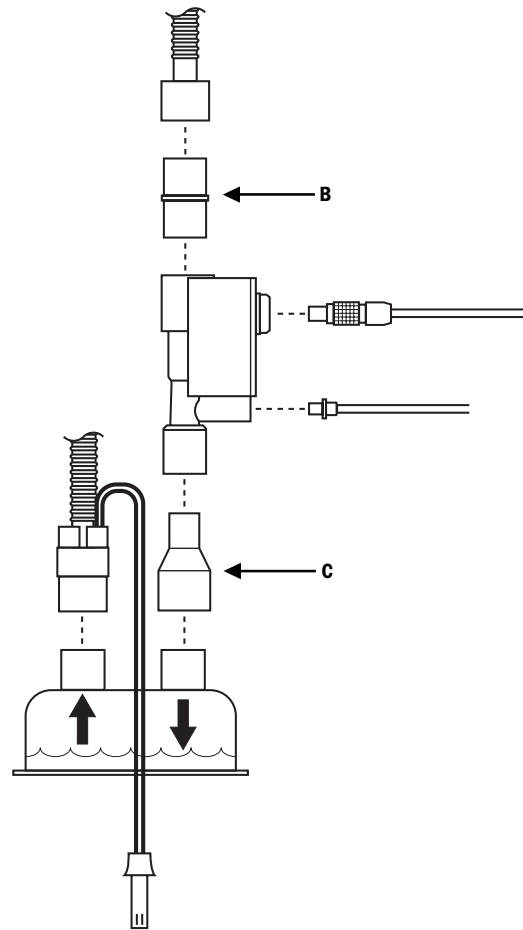
## Neonatal circuit connections



## Neonatal gas sampling circuit connections

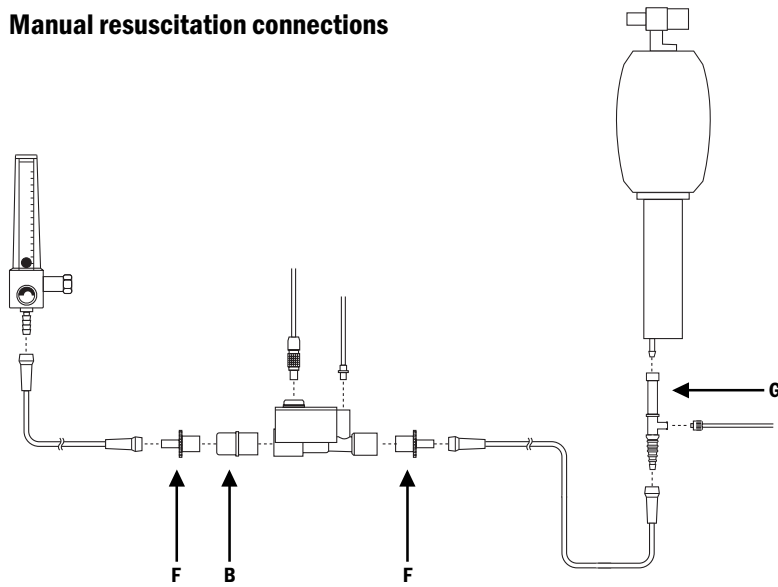


- A. Adapter, 22M/15F x 15M with gas sample tee  
p/n 1605-3133-000
- B. Adapter, 22M/15F x 22M/15F  
p/n 1605-3134-000
- C. Adapter, 22F x 15M  
p/n 1605-3137-000
- D. Allegiance Healthcare Neonatal Adapter  
p/n 5910-504
- E. Allegiance Healthcare Neonatal Adapter  
p/n 5974-504



Neonatal injector module circuit connections

## Manual resuscitation connections

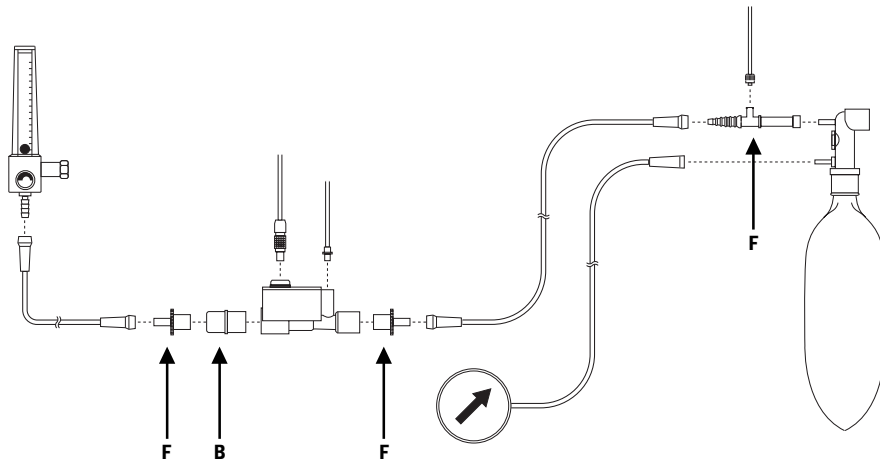


## Manual/self inflating resuscitator circuit connections

### Caution!

The length of tubing downstream of the oxygen sample tee needs to be minimized. The INOvent monitoring system operates at pressures up to 70 cm H<sub>2</sub>O above ambient at the sample tee. Excessive tubing length can result in “monitoring failure” alarm due to over-pressurization.

To ensure proper INOvent operation, test circuit configuration prior to use.

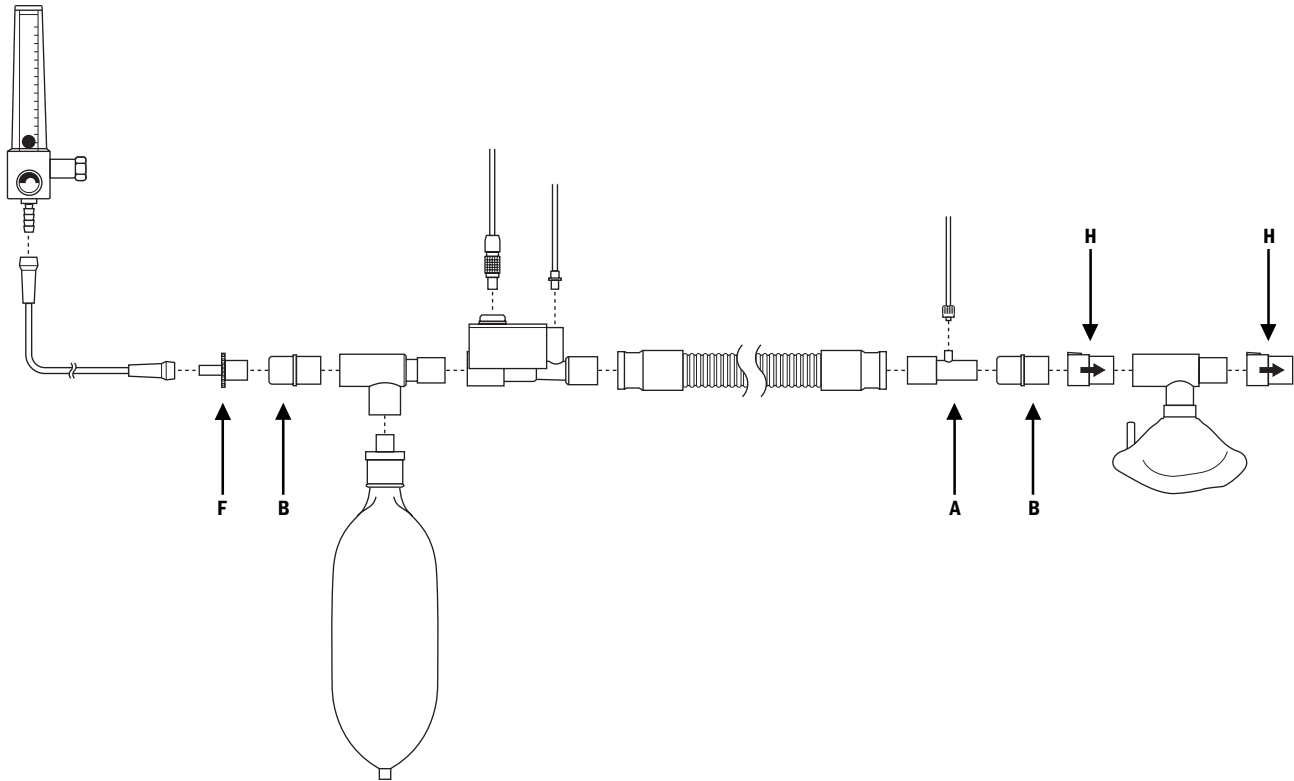


## Hyper inflation resuscitator circuit connections

B. Adapter, 22M/15F x 22M/15F  
p/n 1605-3134-000

F. Adapter, 15M x 4.5MM ID  
p/n 1605-3138-000

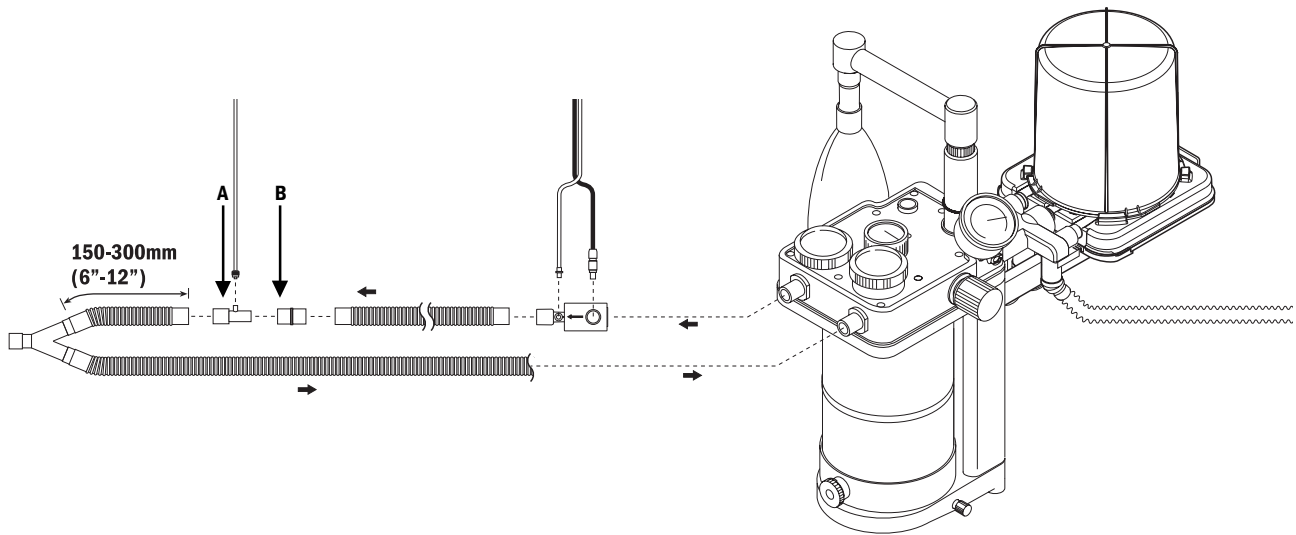
G. Sample tee, O<sub>2</sub> tubing  
p/n 1605-3171-000



## Spontaneous breathing circuit connections

- A. Adapter, 22M/15F x 15M with gas sample tee  
p/n 1605-3133-000
- B. Adapter, 22M/15F x 22M/15F  
p/n 1605-3134-000
- F. Adapter, 15M x 4.5MM ID  
p/n 1605-3138-000
- H. Adapter, one-way valve, 22F x 22M  
p/n 1605-3139-000

# INOvent delivery system



## OR connections

- A. Adapter, 22M/15F x 15M with gas sample tee  
p/n 1605-3133-000
- B. Adapter, 22M/15F x 22M/15F  
p/n 1605-3134-000



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