

OVERVIEW

G6 Dock is Blackline Safety's accessory for completing compliance operations (bump testing and calibration) on G6. When multiple G6 devices require calibration and bump testing at the same time, multiple G6 Docks can be connected to a single-gas cylinder using the Multi-Dock Setup Kit.

NOTE: When connecting G6 Docks together, all G6 devices must be the same gas type.

G6 MULTI-DOCK SET UP KIT

The Multi-Dock Setup Kit includes the Manifold Starter Assembly, and the Manifold Added Assembly, which allows you to connect up to four G6 Docks.

The G6 Dock Multi-Dock Setup Kit is available in three versions, depending on the number of units you want to connect:

- G6 Dock 2-Unit Multi-Dock Setup Kit (ACC-G6-GANG 2)
- G6 Dock 3-Unit Multi-Dock Setup Kit (ACC-G6-GANG 3)
- G6 Dock 4-Unit Multi-Dock Setup Kit (ACC-G6-GANG 4)

What's included:

- Manifold Starter Assembly
 - Tubing (1/8" inner diameter)
 - Gas inlet connector A
 - Gas out exhaust connector A
- Manifold Added Assembly
 - Gas inlet connector B
 - Gas out exhaust connector B

You also need:

- G6 Dock for each G6 device
- 120/240 VAC power source for each G6 Dock
- Gas cylinder with specific gas
- Demand-flow regulator

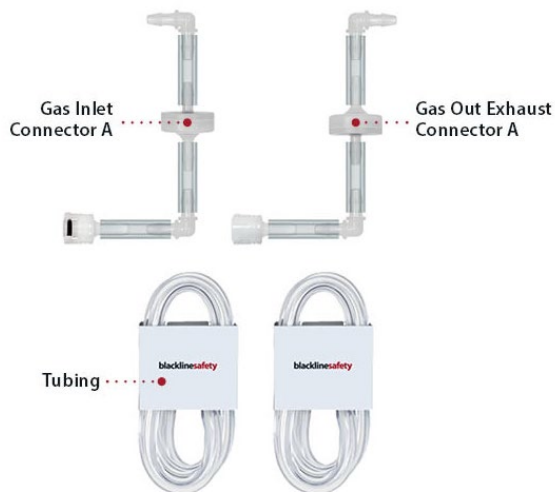


Figure 1-1: Manifold Starter Assembly

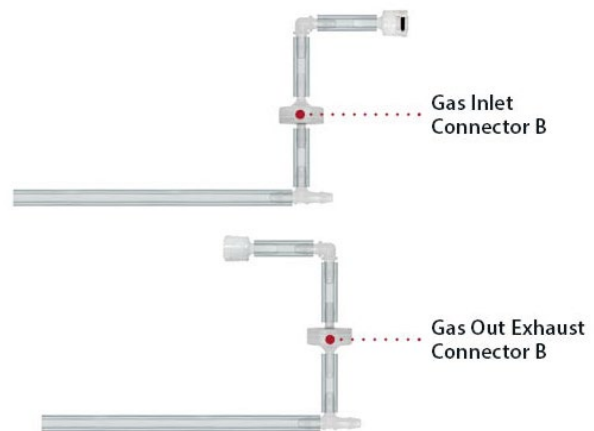
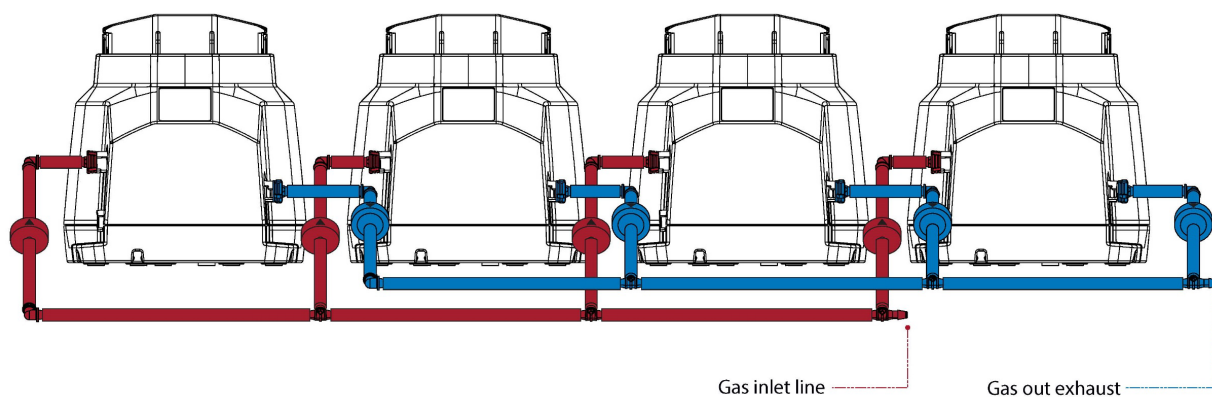


Figure 1-2: Manifold Added Assembly

SETUP

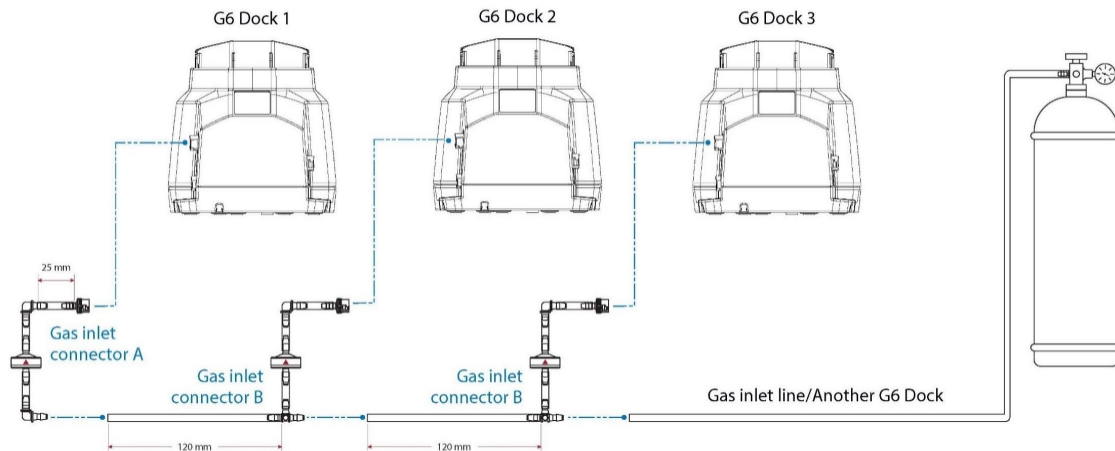
The Multi-Dock Setup Kit joins the gas inlets on each dock together to supply gas to all G6 Docks simultaneously. The setup kit also joins the gas out exhausts on each dock together to transfer the calibration gas to a safe exhaust location.

In a three- or four-unit multi-dock setup, the gas inlet line is extended by connecting multiple Gas inlet connector B parts together and the gas out exhaust line is extended by connecting multiple Gas out exhaust connector B parts together.



- ▲ **WARNING:** Electrical equipment may be hazardous if misused.
- ▲ **WARNING:** Do not use G6 Dock in areas classified as hazardous locations, where there is risk of explosion due to presence of gas, vapor, or dust. G6 Dock is not certified as intrinsically safe. Do not place G6 Dock in or near open flame or submerge in liquid.

CONNECTING GAS INLETS



When looking at the back of G6 Dock, the top inlet on the left side is the gas inlet.

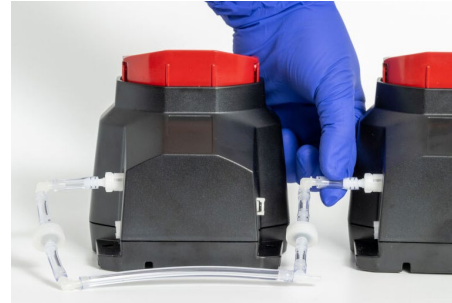
NOTE: Do not connect a gas cylinder to the purge gas inlet. The purge gas inlet is only intended to supply clean air to remove residual gas from G6 Dock.

To connect the gas cylinder:

1. Attach the quick-connect on Gas inlet connector A to the gas inlet on the first G6 Dock by connecting both quick-connect ends, then twisting clockwise until it clicks securely into place.
2. Attach the open tube end of Gas inlet connector B to gas inlet connector A.



3. Attach the quick-connect on Gas inlet connector B to the gas inlet on the second G6 Dock by connecting both quick-connect ends, then twisting clockwise until it clicks securely into place.



4. To connect a third G6 Dock, attach a second Gas inlet connector B to the first Gas inlet connector B. Then attach the quick-connect of the second Gas inlet connector B to the third G6 Dock. Repeat this step to attach a fourth G6 Dock.

NOTE: You can connect up to four G6 Docks.

5. Attach the tubing to the end of the last Gas inlet connector B.

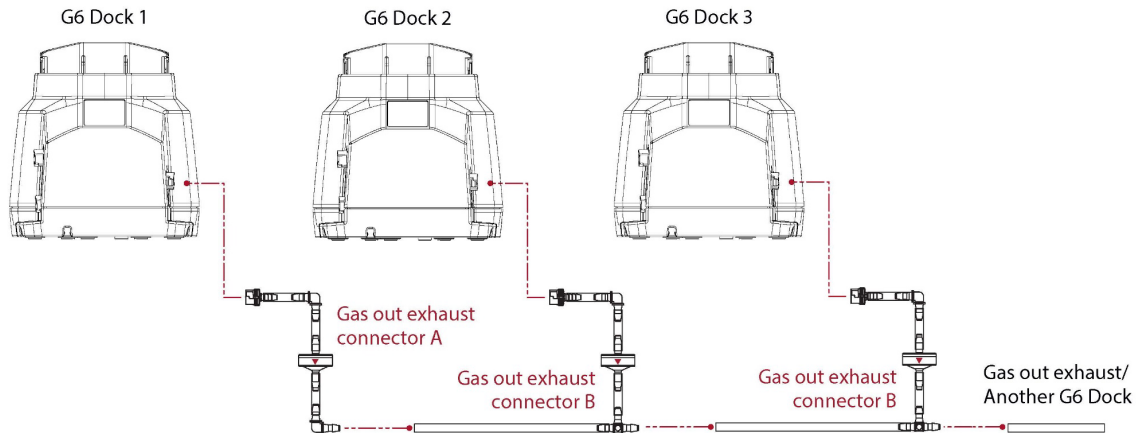


CONNECTING THE GAS CYLINDER

To connect the gas cylinder:

1. Attach the open end of the tubing to the demand-flow regulator on the gas cylinder.

CONNECTING GAS EXHAUSTS

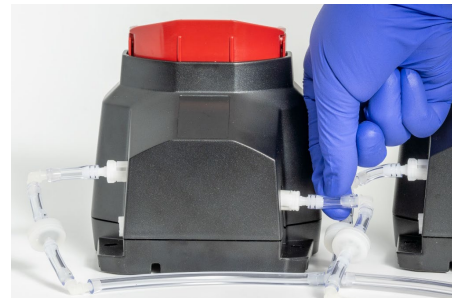


When looking at the back of G6 Dock, the gas out exhaust is the connector on the right side of the dock.

CAUTION: Never plug gas into the gas out exhaust.

To connect the gas out exhaust:

1. Attach the quick-connect on Gas out exhaust connector A to the gas out exhaust on the first G6 Dock by connecting both quick-connect ends, then twisting clockwise until it clicks securely into place.
2. Attach the open tube end of Gas out exhaust connector B to Gas out exhaust connector A.



3. Attach the quick-connect on Gas out exhaust connector B to the gas out exhaust on the second G6 Dock by connecting both quick-connect ends, then twisting clockwise until it clicks securely into place.



4. To connect a third G6 Dock, attach a second Gas out exhaust connector B to the first Gas out exhaust connector B. Then attach the quick-connect of the second Gas out exhaust connector B to the third G6 Dock. Repeat this step to attach a fourth G6 Dock.

NOTE: You can connect up to four G6 Docks.

5. Attach the tubing to the end of the last Gas out exhaust connector B.



6. Feed the open end of the tubing to your safe exhaust location.

CALIBRATING AND BUMP TESTING MULTIPLE DEVICES

G6 Docks in a multi-dock setup act independently of each other. Calibrations and bump tests are done in the same manner that they would be if they were set up separately. This means that G6 Docks connected to the same gas cylinder can do calibrations and bump tests at the same time without interfering with each other. For details on performing a calibration or bump test, refer to the [G6 Dock Technical User Manual](#).

TECHNICAL SUPPORT

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