

# MICRO IN-LINE OUTLETS

## Installation Instructions

### Identify the following components in the outlet package:

- Micro In-line Outlet (Triple or Double)
- Two Gas Shut-off Valves – one O<sub>2</sub>, one N<sub>2</sub>O
- Two Adaptors (converts DISS to push-on fittings) – one O<sub>2</sub>, one N<sub>2</sub>O
- Two 10 ft. Hoses – one O<sub>2</sub> (green), one N<sub>2</sub>O (blue)
- One 10 ft. Hose – Vacuum (black); Vacuum Hose only included with Triple Outlet
- Four #8 Mounting Screws with C'Sinks and Snap Caps
- Cut-Out Template
- Installation Instructions

### IMPORTANT: PRIOR TO INSTALLATION, TURN OFF CENTRAL GAS SUPPLY SYSTEM AND CLOSE ALL GAS TANK VALVES IN TANK ROOM.

### For in-cabinet free mount installation:

**Note: Outlet not fixed; location within cabinet is flexible.**

1. Install the O<sub>2</sub> shut-off valve to the oxygen gas line. Use approved brazing or welding methods with silver solder (reference NFPA 99). **Note: Shut-off valve should be in closed position throughout installation of outlet.**
2. Install the N<sub>2</sub>O shut-off valve to the nitrous oxide gas line. Use approved brazing or welding methods with silver solder (reference NFPA 99). **Note: Shut-off valve should be in closed position throughout installation of outlet.**
3. Connect the O<sub>2</sub> hose (green) to the O<sub>2</sub> shut-off valve, using O<sub>2</sub> DISS – to – Push-on adaptor (the outlet needs to be installed within 10 feet of the O<sub>2</sub> shut-off valve).
4. Connect the N<sub>2</sub>O hose (blue) to the N<sub>2</sub>O shut-off valve, using N<sub>2</sub>O DISS – to – Push-on adaptor

(the outlet needs to be installed within 10 feet of the N<sub>2</sub>O shut-off valve). **Note: In steps 3 and 4, cut hoses square and press firmly into fittings until they bottom out.**

5. If triple outlet, connect the vacuum hose (black) to the vacuum line (the outlet needs to be installed within 10 feet of the vacuum line).
6. Attach O<sub>2</sub>, N<sub>2</sub>O, and vacuum hose (if triple outlet) to backside of outlet. **Note: Cut hoses square and press firmly into fittings until they bottom out. Make certain hoses are not crimped. Check O<sub>2</sub> and N<sub>2</sub>O hose connections for leaks.**
7. Attach the flowmeter to the outlet. Before use check for crossed lines: Open only the O<sub>2</sub> shut-off valve and make certain that only oxygen flows through the flowmeter.
8. After assurance that there are no crossed lines, open both the O<sub>2</sub> and N<sub>2</sub>O shut-off valves to allow gas flow to outlet.

### For in-cabinet flush mount installation:

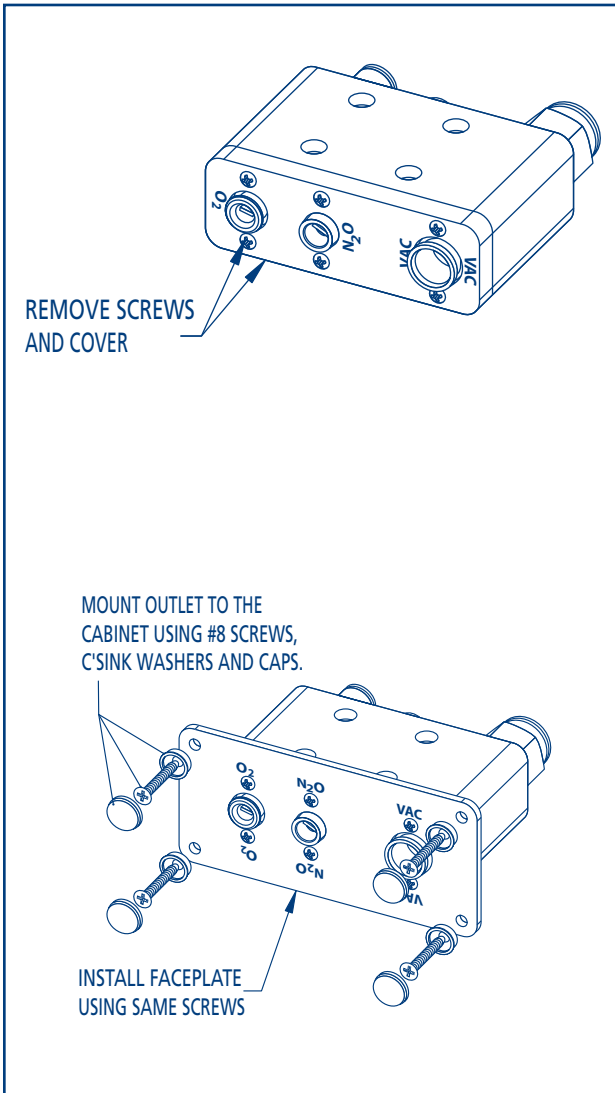
1. Determine desired location of outlet. Use template to cut opening in cabinet or mounting apparatus. Drill four holes for #8 screws per template. **Note: Outlet location needs to accommodate maximum 10 ft. outlet-to-valve (N<sub>2</sub>O and O<sub>2</sub>) distance, and maximum 10 ft. outlet-to-vacuum line (if triple outlet) distance.**
2. Place outlet over opening, line up holes on outlet with holes drilled per template, and thread four #8 mounting screws to firmly attach outlet to the cabinet wall. **Note: Place c'sinks for snap cap installation under the screws before threading. See illustration on second page.**
3. Install outlet per steps 1 through 8 in free mount installation instructions.

**Note: Hoses need to be protected if exposed outside of cabinet.**

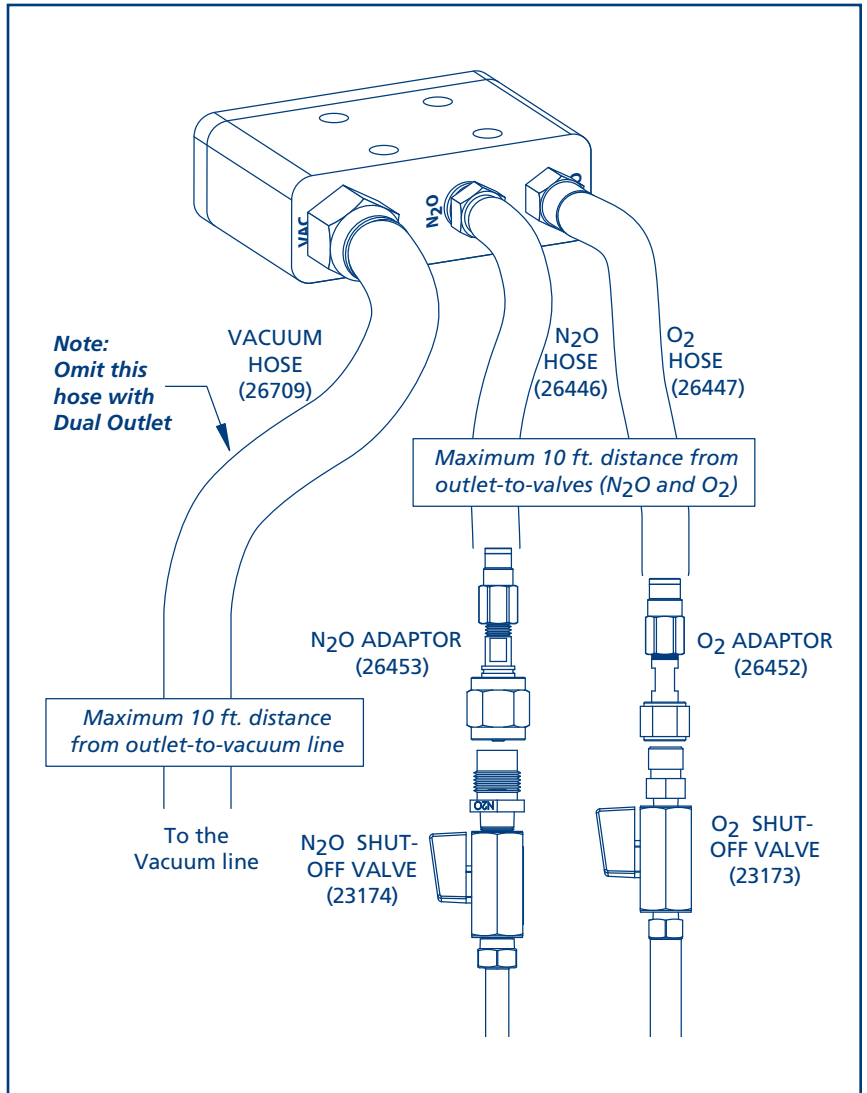
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### IN-CABINET FLUSH MOUNT INSTALLATION



### HOSE CONNECTIONS



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