

Outlet Station Installation Instructions

Triple ▲ Dual ▲ Single



Accutron's products are designed, manufactured and inspected under a comprehensive Quality System certified to meet with ISO-9001 and EN-46001.



34004 Recessed Triple
34060 Surface Triple

34003 Floor Dual
34005 Recessed Dual
34076 Surface Dual



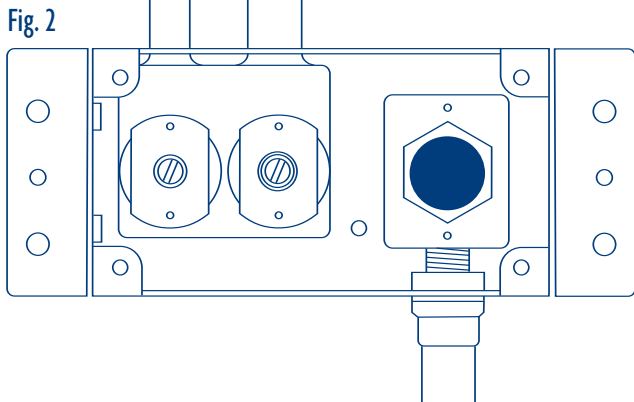
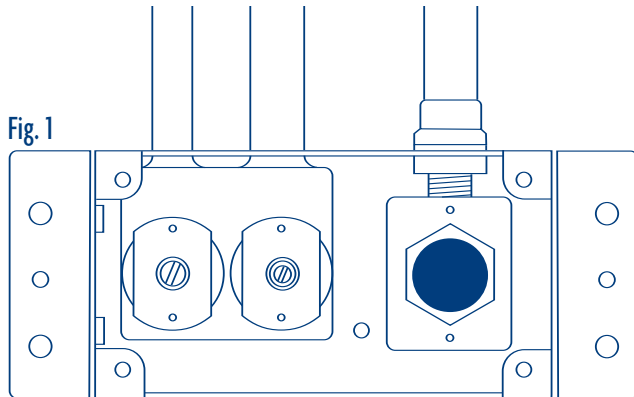
34009 Recessed O₂
34010-I Recessed Imperial N₂
34010-S Recessed Schrader N₂
34011 Recessed Vacuum
34077 Surface O₂
34078-I Surface Imperial N₂
34078-S Surface Schrader N₂
34079 Surface Vacuum



Outlet Station Installation

Triple ▲ Dual ▲ Single

All of Accutron's quick-connect outlets have the same size station block housing and faceplate. Therefore, these instructions can be used to install any of Accutron's Triple, Dual or Single Outlets. Note – Surface Outlets are designed for use with exposed piping installations. See complete listing of outlet types on the front cover. *Servicing the Outlet Station instructions are provided on the last page of this brochure.*



Step 2

Mounting Outlet Station

Note: 1999 NFPA 99 Code requires installation by a qualified plumber.

- Identify the desired area for mounting the outlet station.
- Locate a wall stud in the area.
- Secure one of the station's mounting brackets to the identified wall stud according to the illustration at the right (fig. 3).
- To provide maximum support, build out the opposite wall stud to meet the station's opposite-side mounting bracket and then attach bracket (fig. 3).

Step 1

Directional Mounting Options

There are two options for mounting the station block's housing. They are based on the required direction of the block's gas tubes in relation to the installed gas piping.

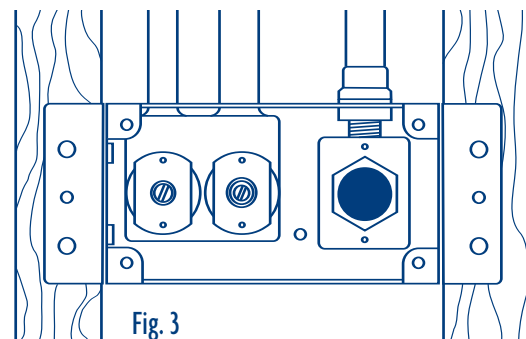
Option 1 (fig. 1)

Station block's housing mounted upright with all tubes directed upward (gas pipes enter block from above).

Option 2 (fig. 1 modified – invert housing) not shown
Station block's housing inverted with all tubes directed downward (gas pipes enter block from below).

No mechanical adjustments of the actual gas block are required for either mounting option - simply attach the block's housing to the stud in the upright or inverted position.

NOTE (fig. 2): If the required direction for the vacuum tube is opposite the gas tubes: Remove the 2 screws that secure the vacuum block to the back of the block's housing, invert the vacuum block and reattach it to the housing with the same 2 screws.



Step 3

Joining Pipes

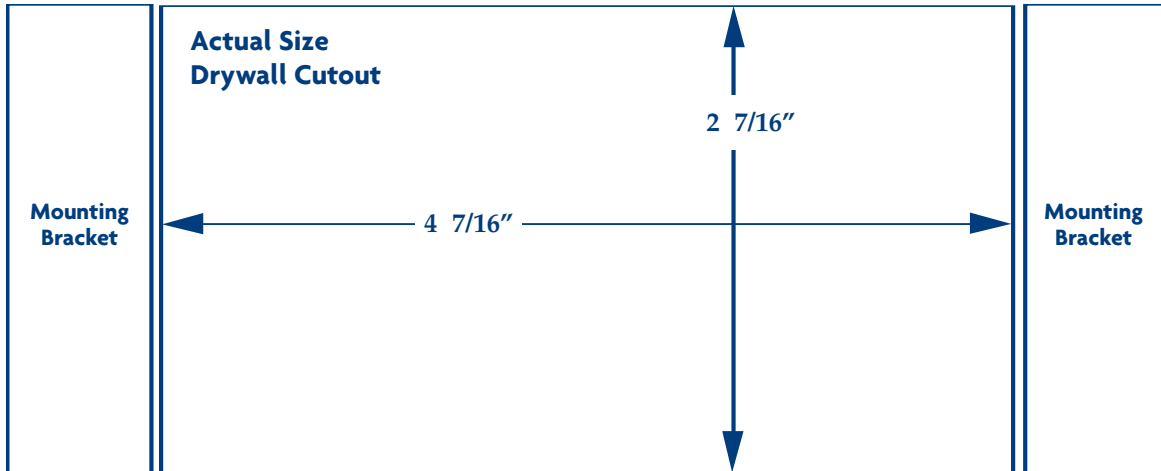
The pipes may now be connected to their appropriate OD lines – 3/8" for N₂O, 1/2" for O₂, 1/2" for N₂ and 1/2" for vacuum. O₂ and N₂O joints must be silver-soldered or brazed with a similar alloy that has a 1000° melting point.

Outlet Station Installation

Step 4

Drywall Cutout

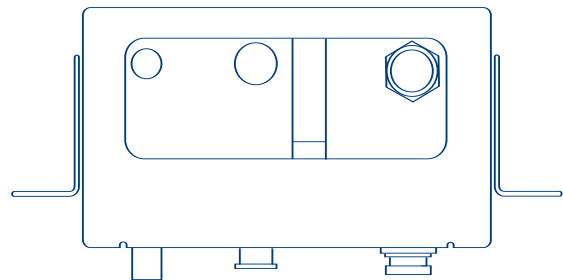
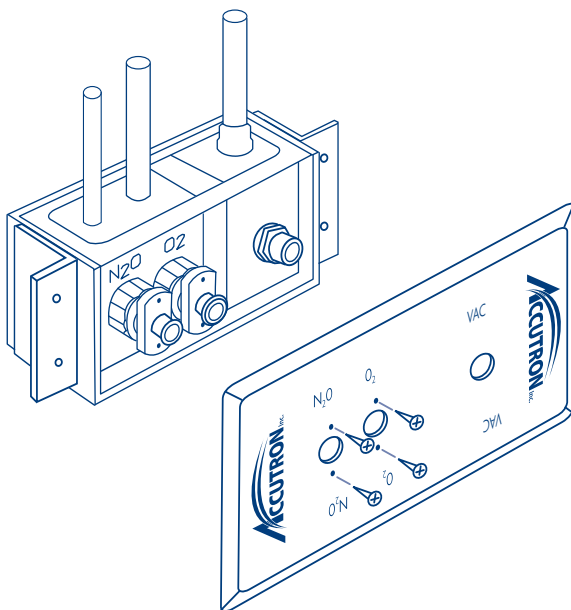
- Use drywall template below to create cutout opening
- Vertical dimension of drywall cut is $2 \frac{7}{16}$ "
- Horizontal dimension of drywall cut is $4 \frac{7}{16}$ "
- Minimum Depth $2 \frac{1}{2}$ "



Step 5

Face Plate Alignment

- Align brass check-valve bodies
- Brass check-valves should just touch the surface of the faceplate when faceplate is seated against wall.



Step 6

Face Plate Installation

Secure the faceplate by screwing the four 4-40 x 1/4 oval pan Phillips head screws in place.

Servicing the Outlet Station

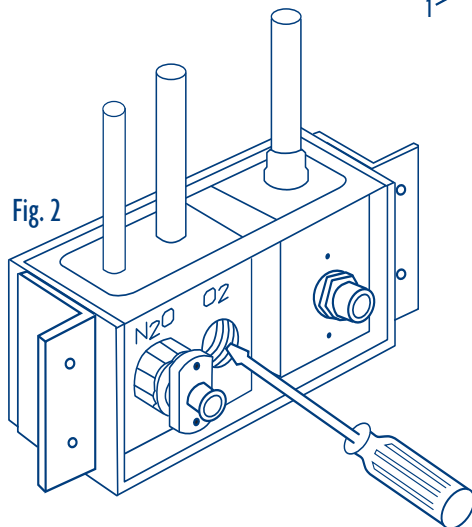
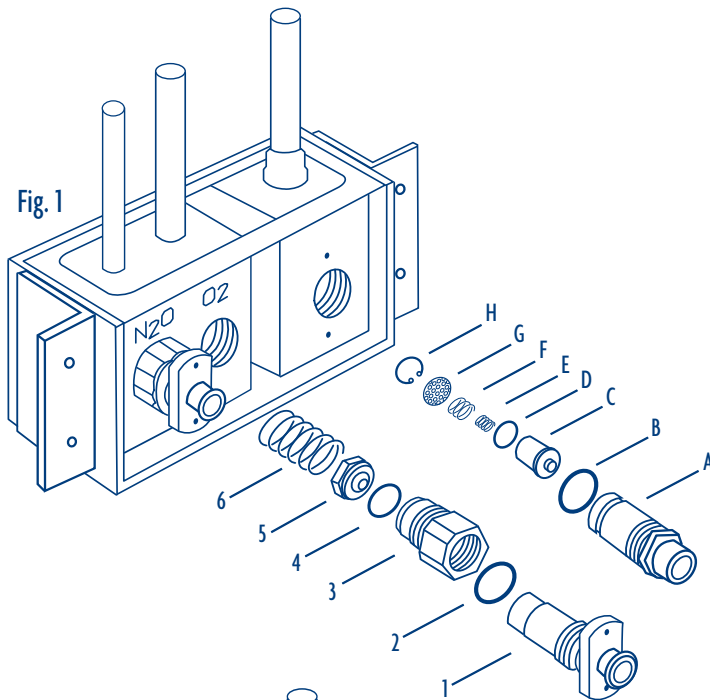
Identifying the Parts – See Fig. 1

N₂O and O₂ Valve Parts List:

- | | |
|---|-------|
| 1. Primary Check Valve Assembly (O ₂) | 23913 |
| Primary Check Valve Assembly (N ₂ O) | 23914 |
| 2. 014 O' Ring | 24103 |
| 3. Cartridge Body (O ₂) | 24106 |
| Cartridge Body (N ₂ O) | 24107 |
| 4. 016 O' Ring | 24104 |
| 5. Secondary Check Valve Assembly | 24102 |
| 6. Compression Spring | 24105 |

Vacuum Outlet Parts List:

- | | |
|-----------------------------|-------|
| A. Check Valve - Vacuum | 24176 |
| B. 014 O' Ring | 24103 |
| C. Vacuum Valve Seat | 24177 |
| D. 007 O' Ring | 21393 |
| E. Small Compression Spring | 24188 |
| F. Large Compression Spring | 24189 |
| G. Retaining Ring Screen | 24190 |
| H. Retaining Ring | 24191 |



Service Instructions - Vacuum Outlet

1. Turn off vacuum.
2. Remove faceplate and unthread Vacuum Check Valve (A).
3. Using a retaining ring tool, remove the Retaining Ring (H). The Ring Screen (G) will fall out.
4. Remove the Vacuum Valve Seat (C). The Compression Springs will fall out (E & F).
5. Remove the 014 O' Ring (B) from the Vacuum Check Valve (A) and replace with a new 014 O' Ring (B).
6. Remove the 007 O' Ring (D) from the Vacuum Valve Seat (C) and replace with a new 007 O' Ring (D).
7. Reassemble in the following order: Install the Vacuum Valve Seat (C), the Small Compression Spring (E) and then the Large Compression Spring (F). Replace the Retaining Ring Screen (G) and, using a retaining ring tool, replace the Retaining Ring (H), thread in the Vacuum Check Valve (A) and then replace the faceplate.

Service Instructions - N₂O or O₂ Primary Check Valve

1. Remove faceplate
2. Unthread the Primary Check Valve (1) from the Cartridge Body (3)
3. Replace the 014 O' Ring (2) from the Primary Check Valve (1) and replace with a new 014 O' Ring (2).
4. DO NOT UNTHREAD THE CARTRIDGE BODY (3) DURING THIS SERVICE. The Cartridge Body (3) should remain intact and attached to the block as it is sealing off the flow of gas while the Primary Check Valve (1) is serviced.
5. Reinstall Primary Check Valve (1) by threading it into the Cartridge Body (3).

Service Instructions - N₂O or O₂ Secondary Check Valve

1. Turn off N₂O and O₂ pressure in tank room.
2. Bleed pressure by depressing Secondary Check Valve (5). Use small probe to accomplish this properly.
3. Unthread the Cartridge Body (3) and remove from block.
4. Insert a needle nose pliers or a small screwdriver into the hole of the Secondary Check Valve and carefully remove the Secondary Check Valve (5) and the Compression Spring (6). See Fig. 2.
5. Install new Compression Spring (6) and Secondary Check Valve (5).
6. Reinstall by reversing these procedures.