

Beckett

RESIDENTIAL BURNERS

Instructions

Lo/Hi V4062A/V5055B Two Stage Gas Train

⚠ WARNING

Explosion, Fire, and Gas Leak Hazard

Do not use Teflon tape on gas piping. Damage to gas valve cutoff seals and valve bodies could cause gas leaks.

- ▶ Pieces of tape can be cut loose during installation and lodge in gas valves causing cutoff seal problems.
- ▶ Teflon tape 'lubricates' pipe threads, allowing iron pipes to penetrate too deeply into aluminum valve bodies causing distortion and leakage.
- ▶ Use only pipe sealant compounds that are resistant to the gas being used.

⚠ WARNING

Explosion, Fire, and Asphyxiation Hazard.

The orientation of the gas valves may have an effect on operation and safety. Gas valves shall be mounted in accordance with their manufacturer's instructions.

⚠ WARNING

Explosion, Fire, and Gas Leak Hazard

- ▶ Do not disassemble gas valve.
- ▶ Valve must be installed with the gas flow in the same direction as the arrow.

⚠ WARNING

Explosion, Fire, and Gas Leak Hazard

A Drip Leg is required in gas supply piping. Foreign matter could lodge in gas valve cutoff seals, resulting in gas leak-through, explosion or fire.

Install a full-size drip leg or dirt pocket in the piping directly ahead of the main shutoff valve to capture foreign matter.

NOTICE

CSD-1 requires that if gas pressure entering the building exceeds the rating of any gas train component, an overpressure protection device must be used.

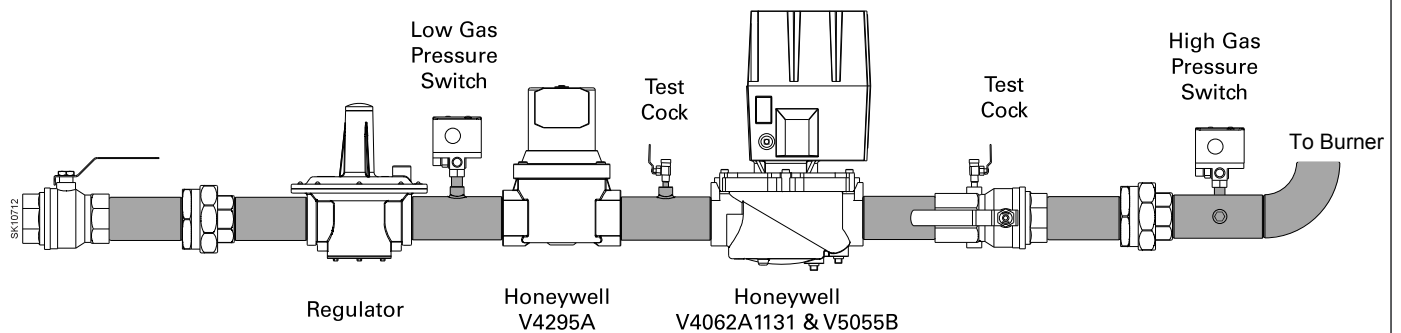
NOTICE

All gas piping installation must comply with the latest edition of the National Fuel Gas Code ANSI Z223.1 (NFPA 54) and other applicable local codes.

NOTICE

New facility piping must be pressure tested in accordance with ANSI Z223.1 / NFPA 54.

Figure 1 — UL Gas Train: Lo/Hi/Off for Lo/Hi/Lo



NOTICE

Regulator must be rated for incoming gas pressure

Figure 2 — Typical wiring ~V4062A/V5055B and V4295A
V4295A (GV1)

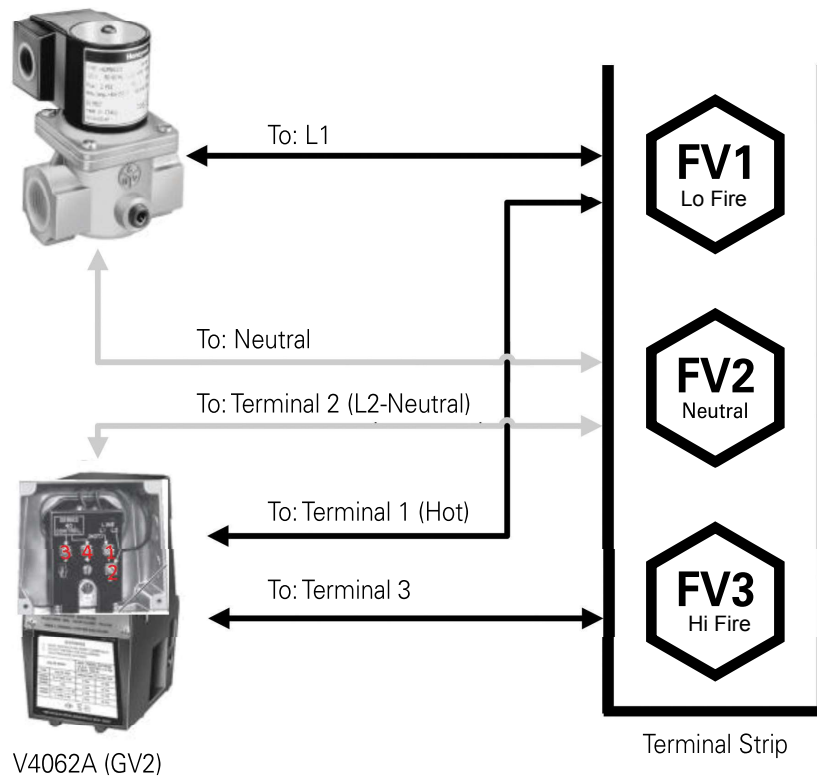
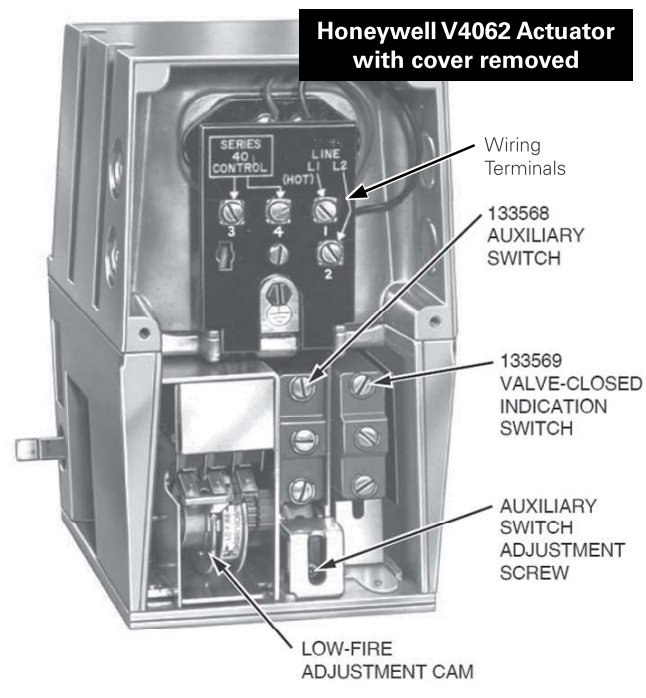


Figure 3 — Gas Valve Pressure Adjustment



Gas Train Instructions:

- The gas burner comes supplied with standard gas train components that meet Underwriters Laboratory (**UL**) and **CSD-1** requirements for gas trains.
- Gas Train does not come with nipples
- The gas train is normally shipped as components and must be assembled and installed at the site.
- The gas train is used for both natural gas and propane; for converting burner, refer to burner manual.
- Verify that the gas train components are not damaged, and all piping and fittings are clean inside and out.

See **Figure 1** for typical component layout.
See **Figure 2** for typical gas valve wiring.

Gas Valve Pressure Adjustment:

- The V4062A Actuator has wrench taped to the inside of the wiring compartment cover.
- Loosen set screw on Lo-Fire adjustment cam and set to recommended settings (Lo fire gas typically should be 0.8" w.c. at ignition, then, creep up to 1.2" w.c.
- See **Figure 3** for location of adjustment cam.
- To adjust the Hi fire gas pressure use the regulator. Do not use the V4062A to adjust Hi fire gas pressure.

Vent Lines:

Install vent lines to any gas valve component that requires atmospheric air pressure to balance a diaphragm. Vent lines must be run to the outdoors, with the termination point away from fresh air intakes and windows. The terminal opening must be fitted with a wire mesh screen to block insects and other contaminants from entering the vent and must be mounted in such a position that water, ice, dirt, or other foreign matter cannot infiltrate and block the vent piping. Make sure the final assembly is anchored securely. Refer to local codes.

