



MATHESON

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Installation Instructions

Model 3200 / 3240 Series High Flow regulators

These instructions are intended to prevent regulator failure resulting from particles entering the regulator during installation or modifications, and becoming embedded in the valve seat, resulting in creep or an increase in delivery pressure. This includes inlet fittings, or gauge installations, or changes to any NPT fitting.

Models with ½” NPT female Threads

1. Prior to installing the NPT fittings, turn the regulator adjustment knob all the way clockwise. This will prevent the main valve from closing.
2. Using Teflon tape, wrap the ends of the NPT fittings, taking care to keep the tape away from the end of the fitting to prevent it from being cut off and working its way into the regulator. Install the fittings. If more information is required on the proper installation of NPT fittings, consult a fitting manufacturer for instructions.
3. Connect a N2 or CDA source to the inlet of the regulator. This source should have a minimum of 100 psig, up to the rated 3000 psig.
4. Slowly open the purge gas source, and allow a large flow of gas to pass through the regulator for 5-10 seconds.
5. Reduce the delivery pressure of the regulator by turning the adjusting knob counter-clockwise to the desired delivery pressure setting.
6. The regulator is now ready for gas service.

Models with CGA fittings on the inlet

1. Prior to installing the regulator on a gas cylinder, turn the regulator adjustment knob all the way clockwise. This will prevent the valve from closing.
2. Install the regulator on the cylinder, properly tightening the CGA fitting. Do not force the cylinder connection if it does not mate correctly. Replace any CGA fittings that may be damaged.
3. SLOWLY open the cylinder valve, and allow a large flow of gas to pass through the regulator for 5-10 seconds. If the gas is hazardous, ensure that the gas from the regulator is directly to a safe location.
4. Reduce the delivery pressure of the regulator by turning the adjusting knob counter-clockwise to the desired delivery pressure setting.
5. The regulator is now ready for gas service.