Nitrogen Gas

Nitrogen Gas is supplied to some labs in the Science Complex and the Chemical Sciences Building through a central pipeline system fed from the Bulk Liquid Storage Tank outside of the Science Complex Loading Dock. The bulk tank supplies the system with gas via boil off of the liquid and an active evaporator ensuring the gas is always available in the pipeline at the correct pressure. The gas is considered as 99.995% pure and is supplied at 170 psi. Each lab has a single stage regulator attached to the system by which the pressure to the lab is controlled.

When connecting fittings and regulators to the nitrogen gas system be aware of the following:

* Ensure the regulator is for use with nitrogen gas
* Leak test all the fittings to ensure there are no leaks in your part of the delivery system
* When not in use ,the single stage regulator at the point of use in the lab should be turned off.
* If multiple points of use required within the lab, then the use of a manifold system of distribution is recommended.

Those labs fed with the gas, have calibrated flow meters installed that allows us to determine the volume used. Each lab is billed 3 times per year based on the total amount of gas used as recorded by the totalizer.

Feel free to contact us should you have additional questions.