

Turn on the cleanness. HiQ[®] solutions for equipment and gas distribution systems.

REDLINE[®] gas supply system. When performance counts.

HiQ[®] isn't just a word for our line of specialty gases, it's a complete solution consisting of the specialty gas products, services and equipment that you need.

REDLINE[®] is a modern, carefully designed range of regulators and valves. This program has been developed to match today's – and tomorrow's – fast increasing demands.

Distribution systems for high-purity gases and specialty gases have to match up to increasing demands for high standards of performance, new analyzing methods and production refinements. Impurities occurring in just a few ppm or ppb can have serious consequences.

The demands made on regulators and valves in these environments are extremely high. Components must be capable of

dealing with high and low pressures, large and small flows. They must be suitable for high-purity inert gases as well as reactive, flammable, corrosive or toxic gases.

REDLINE[®] equipment program is the result of comprehensive design and development efforts. The program meets important criteria, based on our customers' experience and our own.

REDLINE[®] fulfils high standards of:

- Flexibility
- Assembly
- Service
- Maintenance
- Performance
- Cleanness
- Safety
- Ergonomics
- Appearance

The REDLINE® concept for lab environment. In all situations, all times.

The flow and pressure required at the work place should be constant; regardless of cylinder or system pressure and regardless of the flow.

A good regulator should give a constant flow and maintain the pressure that is set on the secondary side, regardless of the inlet pressure. We have achieved this with the REDLINE® program, partly by our specially designed seat.

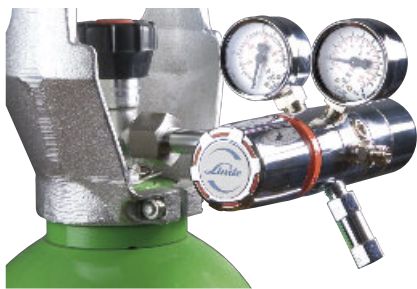
Shut-off valves are of diaphragm type. They are designed to allow large flows at both high and low pressures.

The finely threaded, bellow-sealed regulating valves allow a good flow control.

The diaphragms are made from Hastelloy® which makes them dependable and long lasting.

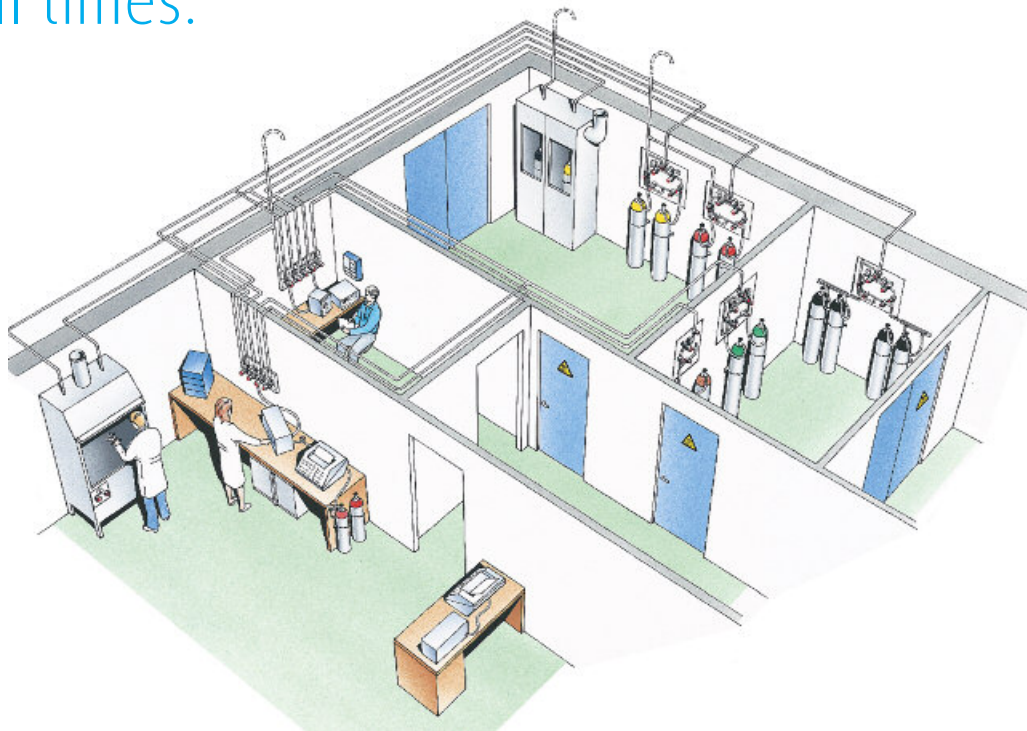
Cleanness, tightness and safety

REDLINE® products are designed so that the surfaces in contact with the gas are cleaned, diffusion tight metal surfaces.



REDLINE® two-stage cylinder regulator

The high degree of tightness prevents the inboard leakage of oxygen and moisture from surrounding air, thereby retaining the purity of the gas throughout the distribution system. Safety has been given the highest priority for the REDLINE® products. In addition to personal safety, we have devoted special attention to important details.



Here are a few examples:

- Choice of components with highest material standards.
- Ergonomic control knobs with indicators for increased or reduced flow/pressure.
- Quarter turn valves give a clear indication of Open or Closed position.
- Etched markings for inlet and outlet connections, which do not wear away, reduce the risk for error in coupling.
- All components are tested for function and tightness.

Specialty gas supply ...plus

Determining the most appropriate mode of supply to meet your needs is, in some respects, the easy part. It goes without saying that your specialty gas order should be delivered dependably and when you need it. But you should be able to direct your attention where it is most productive, in your own work.

This is why with HiQ® specialty gas, all aspects of the supply equation are catered for – selection, logistics, ordering and re-ordering and invoicing. In every area we work harder, doing the thinking so that you don't need to.

Little or large – what you need, where and when you need it

For each of the specialty gases and mixtures you use, Linde has a supply option that is most appropriate for you. Most importantly, we will advise on the safety and economic issues that will shape your decision and we can also provide any necessary design, installation and hardware solutions.

For more information, please look into our HiQ® catalogue 'Equipment & gas distribution systems', visit our website <http://hiq.linde-gas.com> or contact your local Linde sales representative.

