The CONCOA® Medical Gas Equipment Advantage

The Big Picture

CONCOA's technologically advanced medical switchover systems are designed to deliver life-saving and highly important medical gases from one central location in an efficient manner ultimately reducing facility costs. CONCOA systems are engineered to withstand the stringent demands in hospitals, emergency rooms, and other medical facilities. Based upon the same engineering and manufacturing practices as CONCOA's premier line of high purity specialty gas regulators, medical products are meticulously cleanroom assembled and tested to the highest quality standard. In addition, CONCOA complies with NFPA 99 standards.

Capsule Technology

To meet the rigorous requirements of the health care industry, CONCOA has developed a unique regulator seat assembly that incorporates the numerous individual parts of a standard regulator seat into a single component. This design allows the Capsule® to be tested as a separate component prior to assembly into the regulator. The complete regulators are also 100% tested, giving the seat, or "heart" of the device, a double test. The result is longer life and reliable performance.

Color Coding

CONCOA color codes all its medical devices, regulators and manifolds according to the specific gas use they are intended for. Utilizing standardized FDA and NFPA 99 medical color coding, regulators have matching gauges, knobs and product labels which help indicate the product's use. Labels such as the ones on the chart below are applied to the manifolds for quick reference and visibility in NFPA 99 central gas piping installations:

AIR — USP breathing air

CARBON DIOXIDE — Surgical infusion, cell culture and bacteria incubator growth atmospheres

HELIUM — Heliox breathable mixture gases for treatment of asthma medical laser mixtures

NITROGEN — Cell culture incubators and pneumatic surgical tool drive gas

NITROUS OXIDE — Anesthesiology

OXYGEN — Primary oxygen therapy and hyperbaric chamber treatments