

Control of supply of medical gases



CONTROL OF SUPPLY OF MEDICAL GASES

The manometer, or pressure gauge, measures the pressure of gases and liquids in confined spaces. Such a device is needed in the design of gas-distributing systems and consoles (medical oxygen compressors and vacuum, for example) to avoid their breaking under excess pressure. Pressure gauges have different physical processes laid down in their base. The device must be installed along the length of the extended tube and in places of transition, to regulate the pressure of the two containers (eg, oxygen tank and the ventilator). Given that such distribution systems are mainly used in surgical and intensive care practice, the pressure drop (eg, oxygen) tends to reduce saturation and hypoxia, and cause death. Thus, the pressure control gas supply is vital in medical practice.

Common types of medical gauges:

Differential pressure gauge - for measuring the pressure difference of the two gases or liquids, all of which are generally different from the atmospheric pressure.

Ionization manometer - measuring low pressures of gas; mainly used in experimental studies.

Electric manometer - to measure the pressure changes of electric parameters (resistance).

Among Westmedgroup medical equipment for pressure regulating there are manometer and flowmeters production by Flowmeter, a leading company in the field of medical gases and liquids regulation.