



High Volume Oxygen

HV SYSTEMS

WHAT DO THE HV SYSTEMS DO?

The HV System is the link between the oxygen generators and high pressure, high volume oxygen applications.

This system is not only the answer to the high cost of oxygen, but also produces the higher pressure that many applications require. No delivery of oxygen tanks, no tank refills, no rental fees, no HazMat fees, no down time, and no more large oxygen bills. The HV System allows for the interconnection of multiple concentrators. It's a modular system that can be expanded as your need for oxygen grows. It's a "smart system" utilizing fully automated digital pressure regulation technology to maintain optimum working pressure. In addition, the oxygen concentrators can be controlled in separate banks for energy efficiency and less wear and tear – it's a modular system with unlimited expandability. HV Systems are built for long hours of continuous operation and years of dependable use.

One year full service warranty.

HV SYSTEMS ELECTRICAL SPECIFICATIONS

Available in 110V

- 110V requires a minimum of three fully dedicated 15 amp breakers or two 20 amp breakers.

Minimum and Maximum Tank Pressure

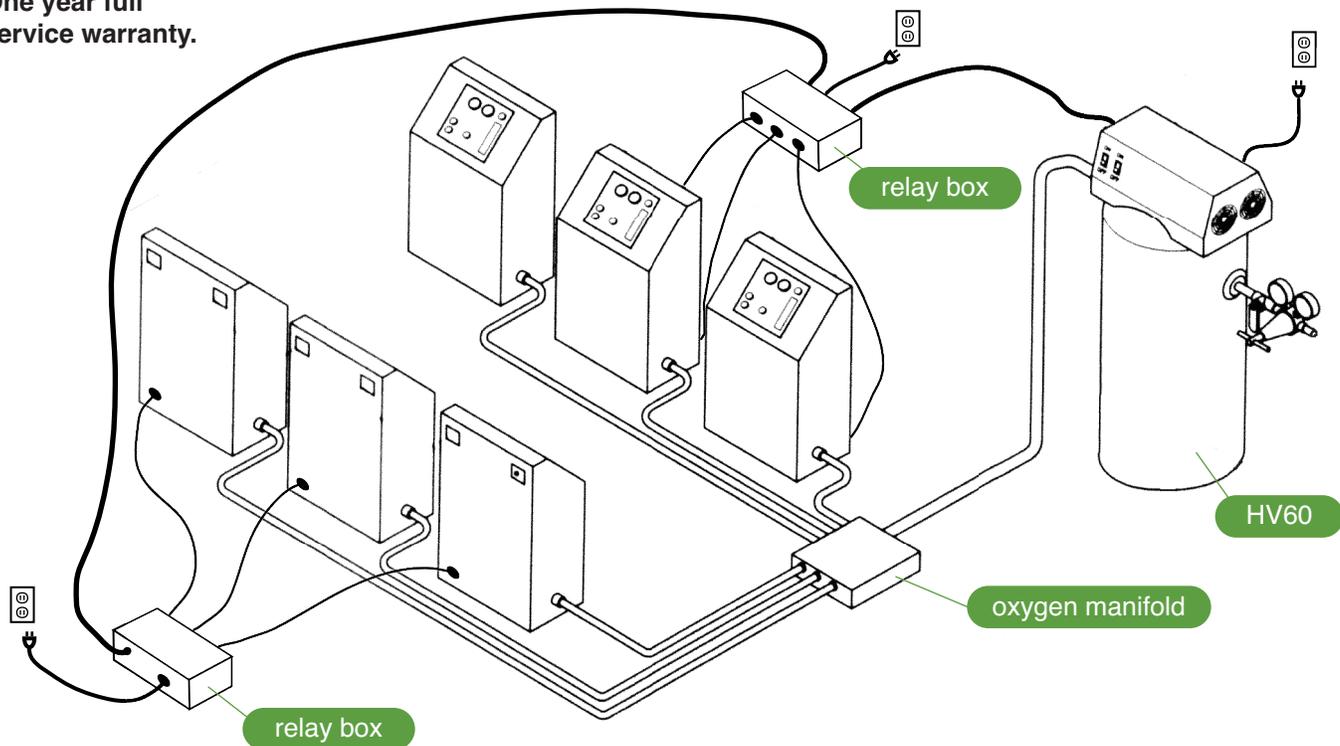
- Minimum = 40 psi
- Maximum = 95 psi

HV30

- Overall Dimensions = 24 x 52 inches
- Tank Capacity = 30 gallons
- Weight = 145 pounds

HV60

- Overall Dimensions = 30 x 64 inches
- Tank Capacity = 60 gallons
- Weight = 190 pounds



SIMPLE SETUP:

- 1 Connect all oxygen concentrator lines to manifold (available from your supplier) and attach to oxygen inlet on controller.
- 2 Plug in oxygen concentrators into control boxes, 3 oxy cons per box, 1 box per 15 amp breaker. These separate banks of machines can be switched on or off as needed. These switch boxes are controlled by a low voltage wire that runs to the main machine – but they are powered by the outlet they plug into. (Call 402-990-6144 for specific configuration questions)
- 3 Plug in power to HV System using dedicated 15 or 20 amp circuit and turn on power.

OXYGEN CONCENTRATOR ARRAY SPECIFICATIONS:

Any configuration of oxygen concentrators can be used so long as the total liters per minute output of the machines is no less than 20 lpm and no greater than 70 lpm per bank. Additional banks can be linked together for modular expandability.

MODULATION USING THE HV SYSTEM DRONE

The HV Systems can be expanded to meet the demands of almost every oxygen application. Each additional bank of 4 to 6 oxygen concentrators can be paired with a HV Drone (drones come in 30 and 60 gallon) and linked together with other banks indefinitely. The Drone is an oxygen tank, relay boxes and compression system which is controlled by the main HV unit using a low voltage signal. These banks are switched on and off as needed. The benefits of linking additional banks and drones with the main system are as follows:

- It enables the expansion of oxygen generation and storage capacity as needs grow.
- It speeds up the creation and compression of a large volume of up to 96% pure oxygen – as much as 60 lpm per bank. This means a 4 bank linked system can produce 240 lpm or enough to run a small hospital.

