



*Welltech's Altitude control system is to integrated with any room(s) for altitude control up to 3500m (13% O2) or 5000m(11% O2) as option.*

- Safe in design
- Easy in operation
- Good in quality
- Reliable & flexible

a) Control system (user friendly LCD touch screen controller), sensor

b) Hypoxic air generation system

## Hypoxic Modules

The diagram illustrates a membrane-based hypoxia system. Air is first compressed and then passes through filters. The filtered air then enters a series of nitrogen production membranes. The permeate from these membranes is used to create hypoxic air for a sleeping room. A detailed view of the membrane module shows air entering, with water, CO<sub>2</sub>, and O<sub>2</sub> being removed, leaving nitrogen (N<sub>2</sub>) and hypoxic air.

## Advantage of hypoxic Gym room

- Hypoxic training
- Enhance athletic performance, improves recovery, prepare people for trips to high altitude and supports general health
- Rehabilitation
- Body refreshment – enhance blood carrying oxygen ability



## Altitude control system consists of

- LCD touch screen controller
  - programming control & scheduling setting
- Sensing system
  - O<sub>2</sub>, CO<sub>2</sub>, Temperature and Humidity display
- Data storage system
- Gas flow control system
- Safety override system
- Alarm system



## Hypoxic air generation system consists of

- Hypoxic modules (Fiber membrane column)
- Air compressor
- Dryer
- Air filtering system

