Microbaric™ Oxygen Systems, LLC (MBOS) provides equipment for the therapeutic breathing of elevated levels of oxygen (i.e., hyperoxic treatment). This has been called Microbaric™ Oxygen Therapy (MBO2). These treatments can be administered in patients' homes or professional offices when prescribed by a physician for applications such as wound healing and certain neurological conditions, for which he believes this therapy will be effective and safe. The therapeutic gas is delivered to the patient by means of a breathing hood specifically designed for this purpose. While MBO2 is conducted with the patient at normal atmospheric pressure without hardware other than the breathing device and gas supply system, there is a small positive pressure (termed microbaric) in the breathing hood. This microbaric pressure not only facilitates gas flow through the hood and maintains hood inflation during the entire breathing cycle, but prevents the occurrence of oxygen-related lung collapse (i.e., absorption atelectasis) when the patient has restricted breathing and/or an obstructive lung condition. While atelectasis is very rare outside hospital operating rooms and intensive care units, its consequences can be potentially serious. Thus, mitigating against its occurrence is a prudent precaution. Because of the microbaric pressure in the hood, the patient may sense a slight pressure in his ears at the start of treatment. In nature, this sensation is similar to that felt when a commercial aircraft cabin is repressurized for landing. In extent, however, this pressure change is much smaller than that, less than 6% of the change experienced during an airline flight.