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PureAire Gas Detection October Newsletter

What is cryotherapy, and why do people use it? Cryotherapy comes from the Greek*kyro,* meaning “cold” and *therapeia,* meaning “healing”, and it refers broadly to the use of extremely cold temperatures for medical or general wellness purposes.

Athletes have long touted the benefits of sitting in an ice cold bath to reduce pain and swelling, and to quickly get on the road to recovery. As far back as 400 B.C. (well before athletes were using below zero temperatures to recuperate), Hippocrates was applying cold to treat swelling and pain in his patients. Today, cryotherapy is typically conducted in a cryochamber that, by use of nitrogen gas, is chilled to a super cold -200 to -300 degrees Fahrenheit, and it is used as a treatment for a variety of ailments, including arthritis, anxiety, and depression, and to assist in weight loss.

Please continue reading our newsletter to learn more about cryotherapy and how PureAire’s line of oxygen deficiency monitors can help cryotherapy personnel safely monitor the gases that put the cryo in cryotherapy.

Visit our Website

Baby It's Cold Inside

In 1978, a Japanese rheumatologist, Toshima Yamaguchi, developed what is known as Whole Body Cryotherapy (“WBC”), in which, cryotherapy is applied to the entire body; that is, the whole body, except the head, is exposed to extremely cold temperatures.

Dr. Yamaguchi’s research found that rapid temperature decreases on the outer layers of individuals’ skin led to a rapid release of endorphins, which caused those individuals to become less sensitive to pain. To put his findings into practice, Dr. Yamaguchi and his associates built the world’s first cryochamber.

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Industry Spotlight - Cryotherapy

Proponents of cryo health centers advocate that cryo chambers promote wellness, injury healing, and anti aging.

The chilled air reduces inflammation and promotes wellness, without the uncomfortable cold immersion you might expect with an ice bath. Yet after the death of an employee who became trapped in a cryo health center, people are wondering how safe this therapy really is.

Facilities that offer cryo health treatments should install oxygen monitors wherever the nitrogen gas is stored or used, to alert patients to a nitrogen leak that puts their health at risk. PureAire's oxygen monitors work reliably, require no calibration once installed, and last 10+ years. Reduce the risks of nitrogen exposure by installing oxygen monitors today.

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Featured Product

Our featured product is our Oxygen Deficiency Monitor for O2 Depletion Safety.

- A long-lasting zirconium oxide sensor capable of providing accurate readings for 10+ years with no scheduled maintenance, and the Monitor comes with a full 3-year warranty.
- Our zirconium O2 sensor performs reliably in temperatures ranging from 55 Celsius to -40 Celsius
- Ideal for environments including freezers, cryogenic facilities, and frozen food manufacturing plants.

Additional Information

PureAire Google Reviews

"Very easy to set up. Fantastic that the monitors do not need frequent calibration. A great value for long term oxygen monitoring." - Michael L..

"I have purchased 2 of the MRI O2 monitors from PureAire. Monitors are easily installed and setup. I really like the 10 year sensor life! Pure Aire customer service is very helpful and professional."
- Michael T.

"I have used different oxygen monitors in last few years, but i would rate PureAir oxygen monitor as best in class & reliable. It has been very easy to setup & install. Most importantly economical compared to others. I would definitely recommend PureAire for oxygen monitors." - Nagaraj A.