

# What is SafeAir ?

Any mixture of Nitrogen and Oxygen is Nitrox. Nitrox as a term was used originally to mean a less-than-normal Oxygen-Nitrogen-Oxygen mix (less than 21%.) Nitrox, although a misnomer, has been used to mean Oxygen-Enriched Air. Enriched Air Nitrox, Nitrox, EAN, EANx or hyper-oxic Nitrox are all terms intended to mean the same thing. In 1989, **ANDI** began using the term “SafeAir”. Today SafeAir® is a registered trademark of **ANDI**.

**ANDI** originally coined the term “*SafeAir*” in reaction to the false impression that “Nitrox” was “high-tech mixed-gas” for deep diving, or perhaps “that stuff dentists use” and therefore, not suitable for recreational diving purposes. Although it has been considered a cute marketing term by the uninformed, **SafeAir**® is much more than that. **SafeAir**® *is the epitome of proper breathing gas handling from the compressor pre-filter to the divers second stage mouthpiece.*

**SafeAir**® production begins with properly trained staff operating a properly-engineered gas production system, which is periodically maintained to the strictest international standards. The gas system’s product is analyzed quarterly by an independent, federally-licensed testing laboratory. **ANDI** receives a copy of the report to document that the **ANDI** facility meets the highest standards in the industry. The breathing gas is stored in correctly rated, oxygen-cleaned receivers. The facility staff dispenses gas of the highest purity into approved, inspected, cleaned, labeled and tagged diving cylinders after following proper gas-handling protocols using “oxygen-service” equipment. They also mix the purest breathing gases with Oxygen in accordance with the **ANDI**-developed standard for “Oxygen-compatible-Air”.

Only “Oxygen-compatible-Air” is used in the production of **SafeAir**®, not “Grade E” which is the worst breathing gas standard in the entire world. In addition, all gases are properly analyzed by the dispenser and end-user and the cylinder is distributed only after proper gas analysis is performed and logged into our standard record book. These processes and procedures guarantee to the user the safest product for their health and enjoyment. As a result of these procedures **ANDI** maintains that **SafeAir**® **IS SAFER** than normally produced breathing Air.

In summary, **SafeAir**® as defined by **ANDI**, is any Oxygen-Enriched Air mixture with O<sub>2</sub> concentrations between 22% and 50% that meet **ANDI**’s gas quality and gas handling specifications. Many **ANDI** Regional HQ’s refer to Oxygen Compatible Air as “SafeAir 21”. In fact **ANDI** has a cylinder wrap decal that reads: “Ultra-Pure Breathing Gas, Oxygen Compatible Air - SafeAir21.”



If it’s not SafeAir® ... it’s only Nitrox



The **SafeAir**® gas quality specification is listed in the Appendix of most **ANDI** texts. The **ANDI** training programs teach the practical application of these mixtures for recreational/sport diving situations as well as more advanced activities.

Remember, it may be Nitrox but if it’s not **ANDI**, it’s not SafeAir®



**ANDI**INTERNATIONAL

74 Woodcleft Ave. Freeport, N.Y. USA  
WWW.ANDIHQ.COM