

## ENRICHED AIR (EAN) NITROX POLICY

TUSA regulators are built with a high level of care using quality components and lubricants. The following TUSA regulators in Standard condition have passed required testing for Enriched Air Nitrox (EAN).

**Regulator Models: RS1001, RS-812S, RS-812, R-811S, RS-811, RS-860, RS-790, RS-760, R-680, RS-670, RS-560, RS-530, RS-520, RS-460III, RS-350, RS-340**

It has been confirmed as the results of fire tests for these Standard regulators that fire will not affect the internal components of the products and that the products will not cause fire to spread.

This means that these Standard regulators can be used with EAN having an oxygen mixture ration equal or less than 40% and standard compressed air alternately.

EAN mixtures equal or less than 40% oxygen will not affect the internal components of the products and consequently the products have a reduced combustion risk.

The major premise, however, of this statement is that clean compressed air must be used in this case. If compressed air without this guarantee is used, the product must be overhauled prior to any subsequent use of the product with EAN having an oxygen mixture ratio equal or less than 40%.

### **Warning**

- Due to a high possibility of combustion never use EAN having an oxygen mixture ratio equal or higher than 41% under any circumstances.
- If it is the intent of the owner to use the regulator with standard compressed air and with Enriched Air Nitrox (EAN) clean oxygen-compatible compressed air must be used at all times.
- Non oxygen-compatible compressed air may contain hydrocarbons that contaminate the regulator components. This contamination can cause combustion when combined with EAN mixtures.
- If unclean compressed air (usually occurring when the infilling compressor oil component becomes mixed into the air) is used in the regulator and subsequently, EAN (with an oxygen mixture ratio lower than 40%) is used, the remaining contamination inside the regulator greatly increases the possibility of ignition.

### **Caution**

- Regulator models not listed above have not been properly tested for use with Enriched Air Nitrox (EAN). Therefore, use with EAN should be avoided at all times.

If you have any further questions, please contact TUSA at 800-482-2282 or [info@tusa.com](mailto:info@tusa.com).