

# AIR QUALITY TEST FORM

Tester Name	
Date	
Compressor Model	
Sample taken from	
<b>RESULTS</b>	

## High Pressure Air Applicable Standards & Actual Test Results

Contaminant	CGA Grade E Allowed limits		EN 12021 Allowed limits		IANTD Nitrox, O <sub>2</sub> Compatible		Enter Actual Readings	
Carbon Monoxide (CO)	10	ppm <sub>v</sub>	5	ppm <sub>v</sub>	2	ppm <sub>v</sub>		ppm <sub>v</sub>
Carbon Dioxide (CO <sub>2</sub> )	1000	ppm <sub>v</sub>	500	ppm <sub>v</sub>	1000	ppm <sub>v</sub>		ppm <sub>v</sub>
Water Vapour (H <sub>2</sub> O) **	50	mg/m <sup>3</sup>	50	mg/m <sup>3</sup>	50	mg/m <sup>3</sup>		mg/m <sup>3</sup>
Oil Vapour	5	mg/m <sup>3</sup>	0.5	mg/m <sup>3</sup>	0.1	mg/m <sup>3</sup>		mg/m <sup>3</sup>
Odor	None	-	None	-	None	-		-

Flow		Time	Volume	Tube	Scale	
l/min		min	litres	P/N	Range	Units
CO	0.2	5	1	5/a-P	5-150	ppm <sub>v</sub>
CO <sub>2</sub>	0.2	5	1	100/a-P	100 - 3000	ppm <sub>v</sub>
H <sub>2</sub> O	4	10	40	20/a-P	35 - 500	mg/m <sup>3</sup>

\*\* 1 mg/m<sup>3</sup> = 1.33 ppm<sub>v</sub>  
 For pressure ≤ 2900 psi, limit <50 mg/m<sup>3</sup>  
 For pressure >2900 psi, limit <35 mg/m<sup>3</sup>  
 At compressor, limit <25 mg/m<sup>3</sup>  
 Applies to EN 12021 & IANTD  
 CGA Grade E does not specify pressure.  
 Some limits are expressed in dew point in °F: these have been converted to mg/m<sup>3</sup>.

### Conditions of Certification

The values presented were obtained using detector devices manufactured by Dräger (Germany). The stated accuracy of these indicator tubes is ±15% for CO & CO<sub>2</sub> and ± 20% for moisture.

The standards/recommendations used to determine acceptable levels are those applicable to the Scuba diving in North America (CGA Grade E), Europe (EN 12021) and the actual assessed risk levels to ensure health, equipment and fire safety.

This certificate only indicates whether the sample is below the stated limits, or exceeds these. It does not indicate a pass or fail. Only the above contaminants were assessed and this certificate does not indicate any form of compliance with any standard.

#### NATURE AND VALIDITY

The values indicate the actual quality of the air on the date that the tests were performed only.

Situations may change, but as currently maintained, following the recommended maintenance and filter exchange intervals, there should be no reason to expect any significant variations.

Air quality tests should be performed after any major service, in the event of concerns or reported contamination, or at least every six months (every 3 months in some jurisdictions).

#### DISCLAIMER

While this air quality test has been conducted in a manner consistent with the stated specifications, and as instructed by the manufacturer of the detector devices, no responsibility can be accepted by the tester, or any individual that is part of the tester's company [DAN] This includes any injuries, illnesses or damage of any nature whatsoever, due to excessive contaminants that might present after the test.

Although every care has been taken to ensure the accuracy and validity of information provided, no guarantee or warranty can be provided as to the health and safety limits of the referenced specifications used.