

AIR QUALITY TEST FORM

Dräger Detector Tubes

Tester		Date of Test	
Dive Operation		Location	
Compressor Model		Sample Taken At	
Filter Model		Last Filter Change	
Compressor Oil Used		Last Oil Change	
Test Outcome	Pass	Fail	

High Pressure Air Applicable Standards & Actual Test Results

Contaminant	CGA Grade E Allowed Limits		EN 12021 Allowed Limits		IANTD Nitrox or O ₂ Compatible		Actual Test Results	
Carbon Monoxide (CO)	10	ppm _v	5	ppm _v	2	ppm _v		ppm _v
Carbon Dioxide (CO ₂)	1000	ppm _v	500	ppm _v	1000	ppm _v		ppm _v
Water Content (H ₂ O) ^{Note}	67	ppm _v	67/44/31	ppm _v	67	ppm _v		ppm _v
Oil Mist (at NTP)	5	mg/m ³	0.5	mg/m ³	0.1	mg/m ³		mg/m ³
Odour	None		None		None			

Element	Flow	Time	Volume	Tube	Scale	
	l/min	min	liters	P/N	Range	Units
CO	0.2	5	1	5/a-P	5 - 150	ppm _v
CO ₂	0.2	5	1	100/a-P	100 - 3000	ppm _v
Water	4	10	40	20/a-P	25 - 250	mg/m ³
Oil	4	5	20	8103530	0.1 - 1.0	mg/m ³

Note:
 Applies to EN 12021 & IANTD
 CGA Gr. E does not specify moisture
 1 mg/m³ = 1.243 ppm_v
 Pressures <2900 psi: limit <67 ppm_v
 Pressures >2900 psi: limit <44 ppm_v
 At compressor: limit <31 ppm_v
 Pressures ≤ 580 psi: limits 218 – 67 ppm_v

Conditions of Certification

The values presented were obtained using detector devices manufactured by Dräger Germany. The stated accuracy of these indicator tubes ±15% for CO & CO₂, 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.

Only the above elements or 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, in accordance with local regulations or agency requirements, or failing any of there, at least every six months.

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. 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.