

	CGA GRADE A (ANSI/CGA G-7.1, 97)	CGA GRADE D (ANSI/CGA G-7.1, 97)	CGA GRADE E (ANSI/CGA G-7.1, 97)	CGA GRADE J (ANSI/CGA G-7.1, 97)	CGA GRADE L (ANSI/CGA G-7.1, 97)	CGA GRADE N (ANSI/CGA G-7.1, 97)	NFPA 1989 - CGA	NFPA 1500 - CGA GRADE D (ANSI/CGA G-7.1, 97)	NFPA 1500 - CGA GRADE E (ANSI/CGA G-7.1, 97)	NFPA 1404 (ANSI/CGA G-7.1, 97)	NFPA 99 (ANSI/CGA G-7.1, 2002)	PADI 5 STAR (ANSI/CGA G-7.1, 97)	CANADIAN (CAN3-Z180, 1-M85)	OSHA CFR 29 (Ch 19.10, 34, 89)	FEDERAL 11-A (88-A-1034B, 85)	O.C.A. (OXYGEN COMPATIBLE AIR) (IANTD/ANDI, 93)	NITROX I	NITROX II	US-NAVY-NAVSEA (NAVSEA 0894-LF-001-9110/15 Feb 93)	AMBIENT-REFERENCE (NORMAL ATMOSPHERIC AIR)
OXYGEN (O2)	19.5-23.5 (%)	19.5-23.5 (%)	20-22 (%)	19.5-23.5 (%)	19.5-23.5 (%)	19.5-23.5 (%)	19.5-23.5 (%)	19.5-23.5 (%)	20-22 (%)	19.5-23.5 (%)	19.5-23.5 (%)	20-22 (%)	19.5-23.5 (%)	19.5-23.5 (%)	20-22 (%)	20-22 (%)	31-33 (%)	35-37 (%)	20-22 (%)	20.9 (%)
Carbon Dioxide (CO2)	—	1000 (PPM)	1000 (PPM)	.5 (PPM)	—	500 (PPM)	1000 (PPM)	1000 (PPM)	1000 (PPM)	1000 (PPM)	500 (PPM)	1000 (PPM)	500 (PPM)	1000 (PPM)	500 (PPM)	1000 (PPM)	1000 (PPM)	1000 (PPM)	1000 (PPM)	340 (PPM)
Carbon Monoxide (CO)	—	10 (PPM)	10 (PPM)	1 (PPM)	—	10 (PPM)	10 (PPM)	10 (PPM)	10 (PPM)	10 (PPM)	10 (PPM)	10 (PPM)	5 (PPM)	10 (PPM)	10 (PPM)	2 (PPM)	10 (PPM)	10 (PPM)	20 (PPM)	.16 (PPM)
Hydrocarbons (CH4) as Methane	—	—	25 (PPM)	.5 (PPM)	—	—	25 (PPM)	—	25 (PPM)	—	25 (PPM)	25 (PPM)	25 (PPM)	—	25 (PPM)	25 (PPM)	25 (PPM)	25 (PPM)	25 (PPM)	.16 (PPM)
Water Vapor (H2O)	—	◆ 67 (PPM)	◆ 67 (PPM)	1.08 (PPM)	24 (PPM)	◆ 67 (PPM)	24 (PPM)	24 (PPM)	24 (PPM)	◆ 67 (PPM)	—	◆ 67 (PPM)	27 (PPM)	◆ 67 (PPM)	◆ 67 (PPM)	◆ 67 (PPM)	◆ 67 (PPM)	◆ 67 (PPM)	◆ 67 (PPM)	—
Dew Point	—	-50°F	-50°F	-104°F	-65°F	-50°F	-65°F	-65°F	-65°F	-50°F	39°F	-50°F	-53°C	-50°F	-50°F	-50°F	-50°F	-50°F	-50°F	—
Oil & Particles	—	5 (mg/m3)	5 (mg/m3)	◆	—	NONE	5 (mg/m3)	5 (mg/m3)	5 (mg/m3)	5 (mg/m3)	5 (mg/m3)	5 (mg/m3)	1 (mg/m3)	5 (mg/m3)	5 (mg/m3)	.1 (mg/m3)	5 (mg/m3)	5 (mg/m3)	5 (mg/m3)	—
Odor	—	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	—
Nitrogen Dioxide (NO2)	—	—	—	.1 (PPM)	—	2.5 (PPM)	—	—	—	—	—	—	.3 (PPM)	—	—	—	—	—	—	.02 (PPB)
Nitric Oxide (NO)	—	—	—	—	—	2.5 (PPM)	—	—	—	—	—	—	—	—	—	—	—	—	—	2 (PPB)
Sulfur Dioxide (SO2)	—	—	—	.1 (PPM)	—	5 (PPM)	—	—	—	—	—	—	—	—	—	—	—	—	—	.02 (PPB)
Hal. Solvents	—	—	—	.1 (PPM)	—	—	—	—	—	—	—	—	—	—	.2 (PPM)	—	—	—	—	—
Acetylene (C2H2)	—	—	—	.05 (PPM)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.02 (PPB)
Nitrous Oxide (N2O)	—	—	—	.1 (PPM)	—	—	—	—	—	—	—	—	2.5 (PPM)	—	—	—	—	—	—	.03 (PPB)
Hal. Hydrocarbons	—	—	—	—	—	—	—	—	—	—	2 (PPM)	—	5 (PPM)	—	—	—	—	—	—	—

◆ May vary with intended use. ◆ Not applicable; However is reported. ◆ Quarterly testing is recommended (NFPA). ★ Quarterly testing is required (PADI).
 CGA - Compressed Gas Association, ANSI - American National Standard, NFPA - National Fire Protection Association, PADI - Professional Association of Diving Instructors,
 OSHA - Occupational Safety & Health Act, ANDI - American Nitrox Divers International, IANTD - International Association of Nitrox Technical Divers

Warning: Only laboratory methods are reliable enough to measure to these standards.

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