



COMPRESSED GAS ASSOCIATION CGA G7.1 - 2004 SPECIFICATION

BREATHING AIR STANDARDS				
TRI Item No.	02	06	67	A73
Grade	Grade D	Grade E	Grade L	Grade N
Typical Use/Application	Industrial	Diving	Industrial/Fire	Industrial
Percent Oxygen, balance is predominately nitrogen %	19.5 – 23.5	20 – 22	19.5 – 23.5	19.5 – 23.5
Carbon Monoxide (ppm)	10	10	Not Specified	10
Total hydrocarbon content (as methane) ppm	Not Specified	25	Not Specified	Not Specified
Carbon Dioxide (ppm)	1000	1000	Not Specified	500
Oil (condensed) (mg/m ³ at NTP)	5	5	Not Specified	None
Halogenated Solvents (ppm)	Not Specified	Not Specified	Not Specified	Not Specified
Nitric Oxide	Not Specified	Not Specified	Not Specified	2.5
Nitrogen Dioxide	Not Specified	Not Specified	Not Specified	2.5
Nitrous Oxide	Not Specified	Not Specified	Not Specified	Not Specified
Sulfur Dioxide	Not Specified	Not Specified	Not Specified	5
Odor	None	None	None	None
Water (ppm)	See Note	Not Specified	24	Not Specified
Dewpoint °F	See Note	Not Specified	- 65	Not Specified
Dewpoint °C	See Note	Not Specified	- 53.9	Not Specified
Website	www.cganet.com			

NOTES: The water content of compressed air required for any particulate quality verification level may vary with the intended use from saturated to very dry.

For breathing air used in conjunction with self-contained breathing apparatus in extreme cold where moisture can condense and freeze, causing the breathing air apparatus to malfunction, a dewpoint not to exceed -50°F (63 ppm v/v) or 10 degrees lower than the coldest temperature expected in the area is required.