



COMPRESSED GAS ASSOCIATION CGA G7.1 - 2011 SPECIFICATION

BREATHING AIR STANDARDS				
TRI Item No.	02M	06	67M	A73
Grade	Grade D	Grade E	Grade L	Grade N
Typical Use/Application				
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	10	10
Total hydrocarbon content (as methane) ppm	Not Specified	25	Not Specified	Not Specified
Carbon Dioxide (ppm)	1000	1000	1000	500
Oil (condensed) (mg/m3 at NTP)	5	5	5	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	
Sulfur Dioxide	Not Specified	Not Specified	Not Specified	5
Odor	None	None	None	None
Water (ppm)	67	Not Specified	24	Not Specified
Dewpoint °F	- 50	Not Specified	- 65	Not Specified
Dewpoint °C	- 45.6	Not Specified	- 53.9	Not Specified

**NOTES:** For breathing air used in conjunction with a self-contained breathing apparatus in extreme cold where moisture can condense and freeze causing the breathing apparatus to malfunction, a dewpoint not to exceed -65°F (24 ppm v/v) or 10 °F lower than the coldest temperature expected in the area is required.