



INDUSTRIAL AIR SPECIFICATIONS

BREATHING AIR STANDARDS			
TRI Item No.	72	02	02M
Grade	OSHA 1910.134 CGA G7.1 Grade D Commodity Specification for Air	CGA G7.1 Commodity Specification for Air Grade D 2004 Edition	CGA G7.1 Commodity Specification for Air Grade D 2011 Edition
Typical Use/Application	OSHA Breathing Air	OSHA Breathing Air	OSHA Breathing Air
Percent Oxygen, balance is predominately nitrogen %	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5
Carbon Monoxide (ppm)	10	10	10
Carbon Dioxide (ppm)	1000	1000	1000
Oil (condensed) and Particulate (mg/m ³ at NTP)	5 (Oil Only)	5 (Oil Only)	5 (Oil Only)
Odor	None	None	None
Water ppm	**	N/A	**67
Dewpoint °F	**	N/A	- 50
Dewpoint °C	**	N/A	- 45.6
Website	www.osha.gov	www.cganet.com	www.cganet.com

NOTES: **The water content of compressed air required for any particulate QVL can vary with the intended use from saturated to very dry. 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. If a specific water limit is required, it should be specified as a limiting concentration in ppm (v/v) or dewpoint. Dewpoint is expressed in °F at 1 atm abs (101 kPa, abs).