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SPECIFICATIONS FOR COMPRESSED AIR

Typical Uses →	Workplace Requirements per OSHA	Industrial Workplace	Industrial Workplace	Firefighting Hazmat	Fire Fighting Hazmat	Diving	Diving	Diving	Commercial Diving	Medical Air
TRI's Air Standard Code →	72/A3	02	02M	89	02F	06	05	A29	81L	A33
INDUSTRY SPECIFICATION NAME →	OSHA 1910.134 Compressor Supplied Air (CGA Grade D + Moisture)	CGA COMMODITY SPEC. FOR AIR ANSI/CGA G-7.1-2011	CGA COMMODITY SPEC. FOR AIR ANSI/CGA G-7.1-2011	NATIONAL FIRE PROTECTION ASSOCIATION NFPA 1989, 2013 EDITION BREATHING AIR QUALITY FOR EMERGENCY SERVICE RESPIRATORY PROTECTION (ALSO: TEXAS COMMISSION ON FIRE PROTECTION)	CGA COMMODITY SPEC. FOR AIR ANSI/CGA G-7.1-2011 (SCBA)	CGA COMMODITY SPEC. FOR AIR ANSI/CGA G-7.1-2011	PROFESSIONAL ASSOCIATION OF DIVING INSTRUCTORS	NAVSEA US NAVY DIVING MANUAL 0910-LP-115-1921 Rev 7, 01December2016,TBL 4-1	ASSOCIATION OF DIVING CONTRACTORS INTERNATIONAL CONSENSUS STANDARDS FOR COMMERCIAL DIVING AND UNDERWATER OPERATIONS 6.1 EDITION 2014 <500 PSI	USP MEDICAL AIR PURITY
LIMITING CHARACTERISTICS ↓	AIR COMPRESSOR SYSTEMS FOR RESPIRABLE AIR	Grade D	Grade D	NFPA 1989	Grade D	Grade E	PADI PURE AIR PROGRAM	US NAVY DIVER'S AIR SAMPLING	AIR COMPRESSOR SYSTEMS FOR RESPIRABLE AIR	USP MEDICAL AIR
Percent Oxygen Balance Predominantly Nitrogen	19.5-23.5	19.5-23.5	19.5-23.5	19.5-23.5	19.5-23.5	20-22	20-22	20-22	19.5-23.5	19.5-23.5
Water, ppm (v/v)	Not Specified	Not Specified	67	24	24	Not Specified	Not Specified	24	Not Specified	2150*
Dewpoint Degrees Fahrenheit	Dew Point 10F below ambient temperature	Not Specified	-50	Not Specified	-65	Not Specified	Not Specified	-65	Not Specified	10*
Oil (condensed) (mg/m3 at NTP)	5	5	5	2	5	5	5	5	5	0.1**
Particulates mg/m3	Not Specified	Not Specified	Not Specified	2	Not Specified	Not Specified	Not Specified	5	Not Specified	Not Specified
Carbon Monoxide ppm	10	10	10	5	10	10	10	10	10	10
Odor	Not Pronounced	Not Pronounced	Not Pronounced	Not Pronounced	Not Pronounced	Not Pronounced	Not Pronounced	Not Objectionable	Not Objectionable	Not Appreciable
Carbon Dioxide ppm	1000	1000	1000	1000	1000	1000	1000	1000	1000	500
Total Volatile Hydrocarbons (as methane) ppm	Not Specified	Not Specified	Not Specified	Total Non-Methane VOCs 25 ppm	Not Specified	25	25	25	Not Specified	Not Specified
Nitrogen Dioxide ppm	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	2.5
Nitric Oxide ppm	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	2.5
Sulfur Dioxide ppm	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	5
Halogenated Solvents ppm	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
Frequency Required (Times per year)	Not Specified (based on safety program in place)	Not Specified (based on safety program in place)	Not Specified (based on safety program in place)	X4	Not Specified (based on safety program in place)	Not Specified (based on safety program in place)	X4	X2	X2	Not Specified (based on safety program in place)

* TRI performs a moisture test based on functioning dryer system to prevent condensed water in the air lines.

** TRI performs a gravimetric procedure to determine oil content with a detection limit of <0.1 mg/m3.