

Compressed Breathing Air Testing Services



Service Information

Introduction

Since 1999, Dyne has set the industry standard in fire-fighting foam testing and we are now equipped to meet your breathing air testing needs. Our mission is two-fold – to provide quality, accurate and precise test results and to do it using a system that makes it easy for our customers.

Laboratory

In order to provide quality, accurate and precise test results, our laboratory tests in accordance with ISO-17025:2005 “General Requirements for the Competence of Testing and Calibration Laboratories” This includes:

- Fully trained and experienced laboratory technicians
- Results traceable to the National Institute of Standards and Technology
- State-of-the-art, documented testing procedures using calibrated equipment
- Reproducibility, repeatability and uncertainty analysis
- Bar coding and database system

Turn-key System

Our goal at Dyne is to provide you with a worry-free system for meeting your air-testing requirements. Our system includes:

- Engineered, high-quality, easy-to-use, testing kits with a lifetime warranty for rent or purchase
- Reports accessible to customers via a secure web site
- Mail, e-mail or telephone reminder service
- Guaranteed 48-hour turnaround or rush same day service
- Comprehensive, easy-to-understand, test report and testing tags.
- World-class customer service – ranked best customer-service by our customers!

Certifications

Dyne Technologies has been certified as meeting the requirements of the International Standards Organization ISO 9001:2000 Standards for Quality Management System. Certificate US04/33839.

Contact

To order your breathing air testing kits, please call (800) 632-2304 or send us an electronic mail message at lab@dyneusa.com.

For more information visit our web site at www.dynetechologies.com

2357 Ventura Drive Suite 108
Woodbury, MN 55125
Toll Free: (800)632-2304
Telephone: (651)917-0644
Fax: (651)917-0646
www.dynetechologies.com



Dyne Breathing Air Test Kit

- **Hard Carrying Case**
- **Air Test Manifold**
- **Replacement Parts**
- **Stopwatch**
- **2 Air Sampling Bottles, Filters and Moisture Tubes**
- **Postage-Paid Pre-Addressed Sample Return Box**





National Fire Protection Association 1989, Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection, 2008 Edition

Occupational Safety and Health Standards Personal Protective Equipment Standard 1910.134

British Standard Respiratory Protective Devices - Compressed Air for Breathing Apparatus BS EN 12021:1999

Specification

Compressed Gas Association Standard G- 7.1 Issued 2004 Grade L SCBA

Compressed Gas Association Standard G-7.1 Issued 2004 Grade D OSHA Breathing Air

Compressed Gas Association Standard G-7.1 Issued 2004 Grade E Underwater

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Nitrogen, %	Not Specified	Not Specified	Not Specified	75-81	Not Specified	Not Specified
Oxygen, %	19.5-23.5	19.5-23.5	20.0-22.0	19.5-23.5	19.5-23.5	20-22
Carbon Dioxide, ppmv	Not Specified	1000 Maximum	1000 Maximum	1000 Maximum	1000 Maximum	500 Maximum
Hydrocarbon Total, ppmv	Not Specified	Not Specified	25 Maximum	Not Specified	Not Specified	Not Specified
Methane, ppmv	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
Hydrocarbon, Non-Methane, ppmv	Not Specified	Not Specified	Not Specified	25 Maximum	Not Specified	Not Specified
Carbon Monoxide, ppmv	Not Specified	10 Maximum	10 Maximum	5 Maximum	10 Maximum	15 Maximum
Argon, %	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
Water, ppmv	24 Maximum	Not Specified	Not Specified	24 Maximum	Not Specified	No Free Liquid Water; Less < 2900 PSIG System - 68 Maximum, Greater than 2900 PSIG - 48 Maximum
DewPoint, degrees F	-65 Maximum	Not Specified	Not Specified	Not Specified	Not Specified	-50 Maximum
DewPoint, degrees C	-53.9 Maximum	Not Specified	Not Specified	Not Specified	-45.6 Maximum	-11 degrees C; or 5 degrees C below likely lowest use temperature
Oil & Particulates, mg/cubic meter	Not Specified	5 Maximum	5 Maximum	2 Maximum (Minimum 500 L Sample Volume)	5 Maximum	0.5 Maximum
Odor	No pronounced odor	No pronounced odor	No pronounced odor	Not a pronounced or usual odor	Lack of noticeable odor	Without Significant Odor
Frequency	Not Specified	Not Specified	Not Specified	Quarterly	Not Specified	Not Specified