

Non-refillable cylinders

Calibration gas mixtures and test gases



Custom and standard gas mixtures and pure gases are available from Air Products in a range of lightweight, aluminium non-refillable cylinders, ideal for applications where portability is essential. Gas mixtures are blended gravimetrically, (generally according to the principals of ISO6142) and when combined with our advanced cylinder preparation techniques ensure mixture accuracy, optimum stability and maximum shelf life.

Key features and benefits

- Total in-house manufacture allows availability of an extensive range of standard and custom mixtures
- Broad range of standard gas mixtures held in stock for immediate availability
- Range of lightweight non-refillable cylinders suitable for reactive and non-reactive gas mixtures
- Portable, convenient and easy to use
- Blended gravimetrically for maximum accuracy
- Cylinders can be readily exported and transported by air, road or sea
- No rental charges
- Comprehensive range of easy to use gas handling equipment and accessories
- Cylinders are compliant with appropriate current European standards and legislation

Air Products gas mixtures are primarily used for checking and calibrating the function of detectors and instruments used in the following applications:

- Flammable gas detection
- Toxic gas detection
- Refrigerant gas detection
- Ethanol breath testing
- Gas chromatography
- Food atmosphere analysis
- Medical gas analysis
- Environmental monitoring

The portfolio of available mixture types cover the whole range from simple LEL binary mixtures through to laboratory standards featuring complex blends of multiple components at low ppm levels.

1. Speed

As well as carrying extensive stocks of commonly used mixtures (especially those associated with gas detection applications) Air Products can blend components to provide a tailored solution for special mixture requests in days.

2. Quality

The total manufacturing solution ensures complete quality control from the arrival of the raw materials through to the laboratory that carries out final QC checks and analysis of the finished gas mixtures.

3. Maximum Traceability

Because every pre-mix blend for non-refillable cylinders is individually certified and cross referenced every time it is used, traceability to National Standards, as well as full manufacturing traceability is assured.

				
Typical Cylinder Gas Capacity (litres)	12	34	58	110
Water Capacity (litres)	1.0	0.9	1.6	1.6
Pressure:				
Bar	12	34	34	68
PSIG	180	500	500	1000
Size (mm):				
Height	230	281	359	359
Width	80	74	90	90
Empty Weight (Kg)	0.14	0.56	1.12	1.11
Valve Outlet	7/16" 28 NS/2 male	5/8" 18 UNF C10	5/8" 18 UNF C10	5/8" 18 UNF C10
Regulatory Compliance	ISO11118	EN12205*	EN12205*	EN12205*

* it is a requirement of EN12205 that non-refillable cylinders feature a non-refillable valve in accordance with EN13340

Additional Services

1. Certificates of Analysis as standard.
2. Safety Data Sheets (SDS) are available for all gases and mixtures supplied by Air Products.
3. Production tolerances and analytical uncertainties vary according to mixture type and concentration. Please contact us for specific information on your mixture.
4. Quotations, current and historic order information and application advice are available by calling one of our highly trained sales advisors or by email to oneuse@airproducts.com.



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