



**Non-refillable canister solutions
for ultimate portability**

Making the difference



Air Products has been serving customers in the analytical, testing and calibration markets for decades. Through these close working relationships we have built a wealth of technical expertise, a thorough understanding of specific applications and broad market knowledge. This, together with our global supply capabilities and extensive product portfolio is why Air Products has become a trusted partner of choice for companies around the world – from those with one-off application needs, through to multinationals requiring multi-site supply agreements.



Air Products unrivalled experience and knowledge is backed-up by one of the most comprehensive product ranges from any gas supplier in the market today. It is able to supply the gas mixture itself, a full range of regulators, carry case options and even have the ability to offer customer-bespoke product labelling.

Our unique strengths

- A complete portfolio of non-refillable canisters, manufactured to the highest standards
- Specialised manufacturing plants in Europe and Middle East, ensuring fast deliveries to all locations
- Large distribution network capabilities, enabled by our European distribution hub
- Extensive equipment range – including regulators, flow valves and carry cases.

Customers who take advantage of Air Products canister range and its' supply capabilities operate in diverse markets including:

- Function testing and calibration of flammable and toxic gas detection equipment
- Oxygen depletion and alarm testing
- Refrigerant leak detection
- Breath alcohol monitoring
- Lung function and breath analysis
- Education: Universities, Research and Development
- Headspace Analysis in Modified Atmosphere Packaging (MAP)

“Our business relies on simple bump testing of gas detectors on board marine vessels. Complex high pressure cylinders and regulators would make the job too difficult but we find the Air Products non-refillable offerings very easy to use and the equipment is simple to operate.”

— GMS Instruments, Rotterdam

Comprehensive canister range

Air Products' canister range allows users to achieve the ideal compromise between gas capacity and portability.

Aerosol

The aerosol type canister provides the ultimate in portability and ease of use. It is perfect where low volumes of gas are required, and it supports mixture shelf-life up to 5 years making it an ideal solution for low or infrequent usage.

34L canister

Our 34L is the smallest canister in the range featuring the universal C10 valve. This high specification

aluminium canister, combined with advanced treatment processes, makes it suitable for all mixture components including H₂S, SO₂ and highly reactive components like Cl₂ and HCN. The C10 connection facilitates use with a wide range of gas control equipment for varied applications.

58L canister

The 58L is the second largest canister to feature the C10 valve. Its unique characteristics means that it supports highly stable 'quad' gas mixtures used extensively in the field of gas detection and industrial hygiene.

110L canister

Our 110L canister represents the ultimate in economy. A higher fill pressure means it contains twice as much gas as the 58L canister, yet has similar physical dimensions. This highly popular canister is designed to support both non-reactive and reactive mixture components including H₂S, SO₂ and NO₂. It is used extensively in a wide range of applications where high gas yield is needed without compromising portability and ease of use.

All Air Products' canisters are dual approved, meaning they can be used and offered for sale in virtually all regions around the world.

Canister specification

| | Aerosol | 34L | 58L | 110L |
|--------------------------------|----------------------------|--|--|------------------------------------|
| Water capacity | 1.0 L | 0.9 L | 1.72 L | 1.6 L |
| Pressure | 10 Bar | 34 Bar | 34 Bar | 69 Bar |
| Dimensions (height x diameter) | 265 mm x 73 mm | 283 mm x 74 mm | 357 mm x 89 mm | 358 mm x 90 mm |
| Empty weight | 108 g | 474 g | 731 g | 1160 g |
| Valve outlet | 7/16" (28 NS/2 Male) | 5/8" (18UNF C10) | 5/8" (18UNF C10) | 5/8" (18UNF C10) |
| Material | Aluminium alloy | Aluminium alloy | Aluminium alloy | Aluminium alloy |
| Regulatory compliance | 75/324/EEC (US) DOT* 39 | ISO 11118 and EN 13340 π marked (US) DOT* 39 | ISO 11118 and EN 13340 π marked (US) DOT* 39 | ISO 11118 and EN 13340 π marked |
| Gas type | Non-reactive mixtures | All mixture types | All mixture types | All mixture types |

*US Department of Transport (DOT)



Stability and shelf life

Our gas mixture stability and the validity of our shelf life claims are absolutely critical in the markets we serve. Advanced canister preparation techniques, high integrity filling manifolds and the use of ultra high purity raw materials all contribute to the long term stability of our gas mixtures, resulting in mixture shelf lives up to 5 years.

We are world leaders in specialty gas mixture preparation. Over 50 years of research and development in this field tells us that mixture stability is achieved by a combination of factors including:

- Optimum canister and valve selection enhanced by proprietary preparation and passivation techniques
- The selection of ultra high purity raw materials
- Proprietary filling technology using ultra high integrity filling manifolds
- Comprehensive shelf life studies

This knowledge and experience is brought together to achieve the accurately certified and reliable calibration gas standards that customers demand.

All of our gas mixtures are issued with hard copy certificates of analysis which are also available on-line 24/7 via myAirProducts^{SM*}.

* account registration required



Mixture shelf life








| Gas | Balance | Shelf life (months) | |
|--|-------------------------------|---------------------|--------------|
| | | Aerosol | 34L/58L/110L |
| Non-reactives ¹ | Air or Nitrogen | 60 | 60 |
| Ammonia (NH ₃) | Air or Nitrogen | n/a | 12 |
| Chlorine (Cl ₂) | Air or Nitrogen | n/a | 12 |
| Ethanol (C ₂ H ₆ O) | Air or Nitrogen | n/a | 36 |
| Ethylene Oxide (C ₂ H ₄ O) | Air or Nitrogen | n/a | 6 |
| Hydrogen Chloride (HCl) | Air or Nitrogen | n/a | 12 |
| Hydrogen Cyanide (HCN) | Air or Nitrogen | n/a | 12 |
| Hydrogen Sulphide (H ₂ S) | Nitrogen | n/a | 24 |
| Hydrogen Sulphide (H ₂ S) | Air and Multimix ² | n/a | 24 |
| Nitric Oxide (NO) | Air or Nitrogen | n/a | 12 |
| Nitrogen Dioxide (NO ₂) | Air or Nitrogen | n/a | 6 |
| Phosphine (PH ₃) | Air or Nitrogen | n/a | 12 |
| Sulphur Dioxide (SO ₂) | Air or Nitrogen | n/a | 12 |

¹ Non-reactive gases include: Argon, Benzene, Butane, Iso-Butane, Iso-Butylene, Carbon Dioxide, Carbon Monoxide, Ethylene, Heptane, Hexane, Hydrogen, Methane, Nitrous Oxide, Oxygen, Pentane, Propane, Propylene, Refrigerants, Toluene

² Multimix is defined as any multi-component mixture including both H₂S and O₂ components

Regulators

To compliment our extensive range of non-refillable canisters we have a diverse portfolio of regulators suitable for almost any application and flow rate.

| | Type | Description | Product number | Compatibility with canister type | | | |
|---|--|---|--|----------------------------------|-----|-----|------|
| | | | | Aerosol | 34L | 58L | 110L |
|  | Brass control valve | A brass control valve with a barbed outlet which accommodates a short length of polyurethane tubing. This economical unit allows the user to control the flow of gas by adjusting a knurled knob on top of the valve. An alternative version with a threaded outlet (dimension 5M) is also available. | 199382: Barbed outlet 199385: Threaded outlet | • | | | |
|  | Mini-flow valve | A plated brass control valve with a flow meter and a barbed outlet that accommodates a length of polyurethane tubing. This unit allows the user to control the flow of gas by adjusting a knurled knob on top of the valve. Units with a higher indicated flow range of 1.5–2.5 lpm are also available. | 198485: 0.5–1.5 lpm 199384: 0.5–1.5 lpm | • | • | • | • |
|  | S-flow valve | Offers more precise setting of adjustable flow rates than the Mini-flow valve. It features an integral flow adjustment valve and a clearly marked graduated flow meter for ease of use, and a pressure gauge indicating canister contents. | 198252: 0–1 lpm 198253: 0–1 lpm | • | • | • | • |
|  | Pump-flow valve | A plated brass valve for instruments fitted with pumps. Adjusting the control knob so the ball in the flow meter is airborne simulates normal operating conditions of the pump. An excess of gas vents to atmosphere, while the major part of the gas flow will satisfy the pumps requirements. | 198487 198489 | • | • | • | • |
|  | Fixed-flow regulator (plated brass) | These units are preset to deliver gas at a fixed flow rate. Standard flow rates include 0.3, 0.5, 1.0, 1.5, 2.0, and 2.5 lpm. Other fixed flow rates are also available. Ideal for non-corrosive gases. The pressure gauge shows the canister contents and a short length of polyurethane tubing is supplied. | 198840: 0.3 lpm 186414: 0.5 lpm 198842: 1.0 lpm 198841: 1.5 lpm 198322: 2.0 lpm 198481: 2.5 lpm | | • | • | • |
|  | Fixed-flow regulator (stainless steel) | These units are preset to deliver gas at a fixed flow rate. Stainless steel fixed flow regulators are recommended for use with highly corrosive gas mixtures like Cl ₂ and HCl. The pressure gauge shows the canister contents. A short length of polyurethane tubing is supplied. | 198483: 0.3 lpm 197943: 0.5 lpm 197941: 1.0 lpm 197942: 1.5 lpm | | • | • | • |
|  | Pressure regulator (two stage) | Suitable for when the precise control of the outlet pressure is required. The incorporated Exact® technology delivers two stage performance, within the footprint of a single stage unit. It is ideally suited to the 58L and 110L canisters. A stainless steel version of this regulator is also available for corrosive gas mixtures. | 432820: 0–1.5 bar 422334: 0–4 bar | | | • | • |

Regulators

To compliment our extensive range of non-refillable canisters we have a diverse portfolio of regulators, suitable for almost any application and flow rate.

| | Type | Description | Product number | Compatibility with canister type | | | |
|---|--|---|--|----------------------------------|-----|-----|------|
| | | | | Aerosol | 34L | 58L | 110L |
|  | Trigger regulator | These units are preset to deliver gas at a flowrate of 0.5, 1.0 or 6.0 lpm or unrestricted. Pressing the trigger activates the regulator and dispenses gas. It can be locked in the “on” position to achieve continuous gas flow. The pressure gauge shows the contents. Features a 4mm OD straight connection. | 198251: 1.0 lpm | | ● | ● | ● |
|  | Push button regulator | This simple unit features a push button to give an aerosol style squirt of gas at 0.5 lpm from the large canisters. The pressure gauge shows the canister contents. A “breath alcohol” adaptor is supplied. | 198326: 0.5 lpm | | ● | ● | ● |
|  | Dial-a-Flow™ regulator (plated brass) | An easy to use, plated brass, lightweight regulator, giving enhanced functionality over the traditional fixed flow unit. It offers 9 pre-set flow rates in a single compact design. The pressure gauge shows the canister contents 0 – 3.0 lpm, and 0 – 5.0 lpm versions are available. | 431834: 0–3.0 lpm 431835: 0–5.0 lpm | | ● | ● | ● |
|  | Dial-a-Flow™ regulator (stainless steel) | An easy to use, lightweight regulator, giving enhanced functionality over the traditional fixed flow unit. It offers 9 pre-set flow rates in a single compact design. The pressure gauge shows the canister contents. Recommended for use with corrosive gases. | 431836: 0–3.0 lpm 431837: 0–5.0 lpm | | ● | ● | ● |
|  | Demand flow regulator (plated brass) | Designed for instruments fitted with a pump. The regulator flow matches that demanded by the instrument. It negates separate accessories such as T-pieces and sampling bags, and avoids wasted gas. The pressure gauge shows the canister contents. | 198329: 0–5.0 lpm | | ● | ● | ● |
|  | Demand flow regulator (stainless steel) | Designed for instruments fitted with a pump. The regulator flow matches that demanded by the instrument. It negates separate accessories such as T-pieces and sampling bags, and avoids wasted gas. The pressure gauge shows the canister contents. Recommended for use with corrosive gases. | 402214: 0–5.0 lpm | | ● | ● | ● |
|  | Septa-Flow regulator | The Septa-Flow regulator enables gas to be extracted from the canister using a syringe. The unit also features a contents pressure gauge. | 401471 | | ● | ● | ● |
|  | Duo-Flow regulator | Thes Duo-Flow regulator features a push button to give an aerosol style squirt of gas, and an on/off control for continuous fixed flow rate delivery. The pressure gauge shows the canister contents. A “breath alcohol” adaptor is supplied. | 198793: 0.5 lpm 198794: 1.0 lpm | | ● | ● | ● |

For alternative flow rates or regulators please contact us.

Accessories

Air Products' carry cases are the ideal solution for the safe storage and transportation of your non-refillable canisters and regulators. They are versatile enough to hold any combination of aerosol, 34L, 58L, or 110L canister.



Hard plastic carry case

Product number: 198258

- Integrated carry handle
- Suitable for two canisters and a regulator



Soft shell carry case

Product number: 198257

- Adjustable shoulder strap
- Suitable for up to three 110L or 58L canisters



Carry case insert for 34L canisters

Product number: 458376

- Insert to secure three 34L canisters in soft shell carry case



Wall mounted canister holder

Product number: 199710

- Secure canister holder, ideal for wall mounting



Canister recycling tools

Low Torque, portable – Product number: 488695

Fixed position – Product Number: 198260

- These recycling tools enable Air Products non-refillable canisters and aerosols to be depressurised and safely recycled*

**Outside EU check local legislations*



Additional benefits – at no extra cost

Air Products is pleased to offer the following service at no additional charge:

- Bespoke, custom labelling service* – clear product labeling with your company name/logo to ensure your company brand is maximised.
- Convenient, hassle-free user delivery service – for companies re-selling our canisters we can deliver directly to the end user on your behalf – be it in your home or export market.

**Minimum annual quantities apply*

“We are involved in the installation, commissioning and maintenance of a wide range of gas detection equipment into many market sectors. The fact that the Air Products' range covers all of the flammable, toxic, quad-gas and corrosive gas requirements for this market is very important to us.”

— Autochim, France

Non-refillable canisters

Standard product list



(Revision 13, July 2019)

All mixtures shown in the table below are available with no minimum order quantity.

Products highlighted in green are normally available ex-stock in the canister size indicated.

The information contained within this table is accurate at the time of going to print and is subject to ongoing revisions without notice.

| Mixture | Cat. | Aerosol | 34L | 58L | 110L | Days | Cert. tol. | Prod. tol. | Stability (months) |
|--|------|---------|--------|--------|--------|------|------------|------------|--------------------|
| Acetylene (C₂H₂) | | | | | | | | | |
| 0.5 % Acetylene // Air | 1 | 312090 | 314468 | 319359 | 313131 | 7 | ±2 % | ±5 % | 60 |
| <i>Any concentration of Acetylene // Air between 0.1 % - 0.92 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |
| Ammonia (NH₃) | | | | | | | | | |
| 25 ppm Ammonia // Air | 2 | ✗ | 312977 | 313104 | 312695 | 15 | ±5 % | ±10 % | 12 |
| 25 ppm Ammonia // Nitrogen | 2 | ✗ | 312666 | 313646 | 314456 | 15 | ±5 % | ±10 % | 12 |
| 50 ppm Ammonia // Air | 2 | ✗ | 312212 | 312647 | 312192 | 15 | ±5 % | ±10 % | 12 |
| 50 ppm Ammonia // Nitrogen | 2 | ✗ | 313153 | 312229 | 312680 | 15 | ±5 % | ±10 % | 12 |
| 100 ppm Ammonia // Air | 2 | ✗ | 314410 | 313819 | 312196 | 15 | ±2 % | ±10 % | 12 |
| 100 ppm Ammonia // Nitrogen | 2 | ✗ | 319222 | 314284 | 317208 | 15 | ±2 % | ±10 % | 12 |
| 500 ppm Ammonia // Air | 2 | ✗ | 314233 | 312906 | 312239 | 15 | ±2 % | ±5 % | 12 |
| 500 ppm Ammonia // Nitrogen | 2 | ✗ | 333317 | 318922 | 313509 | 15 | ±2 % | ±5 % | 12 |
| 1000 ppm Ammonia // Air | 2 | ✗ | 312728 | 312190 | 312230 | 15 | ±2 % | ±5 % | 12 |
| 1000 ppm Ammonia // Nitrogen | 2 | ✗ | 319139 | 314328 | 318350 | 15 | ±2 % | ±5 % | 12 |
| 0.5 % Ammonia // Air | 2 | ✗ | 313699 | 315718 | 312902 | 15 | ±2 % | ±5 % | 12 |
| 0.5 % Ammonia // Nitrogen | 2 | ✗ | 333380 | 333461 | 313999 | 15 | ±2 % | ±5 % | 12 |
| 1 % Ammonia // Air | 2 | ✗ | 319135 | 312668 | 313034 | 15 | ±2 % | ±5 % | 12 |
| 1 % Ammonia // Nitrogen | 2 | ✗ | 333528 | 333527 | 333330 | 15 | ±2 % | ±5 % | 12 |
| 5 % Ammonia // Air | 2 | ✗ | 312669 | 316690 | 314452 | 15 | ±2 % | ±5 % | 12 |
| <i>Any concentration of Ammonia // Air or Nitrogen between 5 ppm - 1000 ppm</i> | 2 | ✗ | ✗ | ✓ | ✗ | 15 | | | 12 |
| Argon (Ar) | | | | | | | | | |
| 100 % Argon "Premier" (5.0) | 1 | ✗ | 424418 | 446579 | 410533 | 7 | N/A | N/A | 60 |
| Benzene (C₆H₆) | | | | | | | | | |
| 5 ppm Benzene // Air | 1 | 333530 | 312079 | 326596 | 314241 | 7 | ±10 % | ±20 % | 60 |
| Butane (C₄H₁₀) | | | | | | | | | |
| 0.4 % Butane // Air | 1 | 312143 | 323518 | 333531 | 333321 | 7 | ±2 % | ±5 % | 60 |
| 0.6 % Butane // Air | 1 | 312884 | 323519 | 314056 | 315134 | 7 | ±2 % | ±5 % | 60 |
| 0.7 % Butane // Air | 1 | 318890 | 313695 | 321223 | 312708 | 7 | ±2 % | ±5 % | 60 |
| 0.75 % Butane // Air | 1 | 318640 | 312136 | 313423 | 312135 | 7 | ±2 % | ±5 % | 60 |
| 0.9 % Butane // Air | 1 | 314138 | 312907 | 325619 | 312142 | 7 | ±2 % | ±5 % | 60 |
| 8 % Butane // Nitrogen (pressure restricted - 100 psig) | 1 | 312140 | 313501 | 334293 | ✗ | 7 | ±2 % | ±5 % | 60 |
| 8 % Butane / 13.8 % CO ₂ // Nitrogen (pressure restricted - 100 psig) | 1 | 312638 | 312637 | 326074 | 317521 | 7 | ±2 % | ±5 % | 60 |
| <i>Any concentration of Butane // Air between 0.1 % - 0.9 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |
| Iso-Butane (I-C₄H₁₀) | | | | | | | | | |
| 0.75 % Iso-Butane // Air | 1 | 312125 | 315394 | 315395 | 312126 | 7 | ±2 % | ±5 % | 60 |
| 0.9 % Iso-Butane // Air | 1 | 312194 | 312226 | 315872 | 312203 | 7 | ±2 % | ±5 % | 60 |
| 7.5 % Iso-Butane // Nitrogen | 1 | 333729 | 333730 | 333728 | ✗ | 7 | ±2 % | ±5 % | 60 |
| 8 % Iso-Butane // Nitrogen | 1 | 312115 | 333731 | 358106 | 314977 | 7 | ±2 % | ±5 % | 60 |
| 10 % Iso-Butane // Nitrogen | 1 | 312225 | 312224 | 325900 | 333946 | 7 | ±2 % | ±5 % | 60 |
| Iso-Butylene (I-C₄H₈) | | | | | | | | | |
| 8 ppm Iso-Butylene // Air | 1 | 333592 | 333327 | 327463 | 315869 | 7 | ±10 % | ±20 % | 60 |
| 10 ppm Iso-Butylene // Air | 1 | 364953 | 313120 | 326206 | 312948 | 7 | ±10 % | ±20 % | 60 |
| 100 ppm Iso-Butylene // Air | 1 | 312093 | 312074 | 312052 | 312045 | 7 | ±2 % | ±10 % | 60 |
| 1000 ppm Iso-Butylene // Air | 1 | 333593 | 321402 | 333334 | 312938 | 7 | ±2 % | ±5 % | 60 |
| Carbon Dioxide (CO₂) | | | | | | | | | |
| 500 ppm Carbon Dioxide // Nitrogen | 1 | 313496 | 324680 | 333944 | 316934 | 7 | ±2 % | ±5 % | 60 |
| 500 ppm Carbon Dioxide // Air | 1 | 333326 | 312063 | 315979 | 321012 | 7 | ±2 % | ±5 % | 60 |
| 1000 ppm Carbon Dioxide // Air | 1 | 315867 | 313102 | 315977 | 319155 | 7 | ±2 % | ±5 % | 60 |
| 5000 ppm Carbon Dioxide // Air | 1 | 312965 | 317406 | 315339 | 312953 | 7 | ±2 % | ±5 % | 60 |
| 5000 ppm Carbon Dioxide // Nitrogen | 1 | 315640 | 318352 | 318228 | 314051 | 7 | ±2 % | ±5 % | 60 |
| 1 % Carbon Dioxide // Air | 1 | 314134 | 313775 | 316932 | 312696 | 7 | ±2 % | ±5 % | 60 |
| 1 % Carbon Dioxide // Nitrogen | 1 | 317609 | 313108 | 319137 | 312034 | 7 | ±2 % | ±5 % | 60 |

| Mixture | Cat. | Aerosol | 34L | 58L | 110L | Days | Cert. tol. | Prod. tol. | Stability (months) |
|--|------|---------|--------|--------|--------|------|------------|------------|--------------------|
| 1 % Carbon Dioxide // Nitrogen | 1 | 317609 | 313108 | 319137 | 312034 | 7 | ±2 % | ±5 % | 60 |
| 1.5 % Carbon Dioxide // Air | 1 | 312879 | 332698 | 322166 | 313535 | 7 | ±2 % | ±5 % | 60 |
| 2 % Carbon Dioxide // Air | 1 | 315505 | 312718 | 320575 | 312036 | 7 | ±2 % | ±5 % | 60 |
| 2 % Carbon Dioxide // Nitrogen | 1 | 313123 | 321322 | 315780 | 312701 | 7 | ±2 % | ±5 % | 60 |
| 3 % Carbon Dioxide // Nitrogen | 1 | 315905 | 325416 | 317407 | 314387 | 7 | ±2 % | ±5 % | 60 |
| 3 % Carbon Dioxide // Air | 1 | 315537 | 314453 | 314400 | 312035 | 7 | ±2 % | ±5 % | 60 |
| 5 % Carbon Dioxide // Air | 1 | 312098 | 312661 | 314680 | 312017 | 7 | ±2 % | ±5 % | 60 |
| 5 % Carbon Dioxide // Nitrogen | 1 | 312084 | 314675 | 313774 | 312031 | 7 | ±2 % | ±5 % | 60 |
| 10 % Carbon Dioxide // Air | 1 | 313831 | 314888 | 313154 | 312699 | 7 | ±2 % | ±5 % | 60 |
| 10 % Carbon Dioxide // Nitrogen | 1 | 319666 | 333315 | 333314 | 314398 | 7 | ±2 % | ±5 % | 60 |
| 18 % Carbon Dioxide // Argon | 1 | ✓ | ✓ | ✓ | 323432 | 7 | ±2 % | ±5 % | 60 |
| 20 % Carbon Dioxide // Air | 1 | 333533 | 318405 | 326445 | 316926 | 7 | ±2 % | ±5 % | 60 |
| 30 % Carbon Dioxide // Argon | 1 | ✓ | ✓ | ✓ | 323433 | 7 | ±2 % | ±5 % | 60 |
| 40 % Carbon Dioxide // Methane | 1 | 313127 | 313116 | 312202 | 327613 | 7 | ±2 % | ±5 % | 60 |
| 50 % Carbon Dioxide // Nitrogen | 1 | 315978 | 312966 | 312056 | 344391 | 7 | ±2 % | ±5 % | 60 |
| 50 % Carbon Dioxide // Methane | 1 | 314386 | 312904 | 324374 | 314508 | 7 | ±2 % | ±5 % | 60 |
| 60 % Carbon Dioxide // Nitrogen | 1 | ✓ | ✓ | ✓ | 329129 | 7 | ±2 % | ±5 % | 60 |
| 80 % Carbon Dioxide // Nitrogen | 1 | ✓ | ✓ | ✓ | 315975 | 7 | ±2 % | ±5 % | 60 |
| 100 % Carbon Dioxide (3.0) | 1 | 403194 | 440595 | 434355 | 197136 | 7 | N/A | N/A | 60 |
| <i>Any concentration of Carbon Dioxide // Air or Nitrogen between 0.1 % - 40 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |
| Carbon Monoxide (CO) | | | | | | | | | |
| 20 ppm Carbon Monoxide // Air | 1 | 312100 | 313106 | 312723 | 312027 | 7 | ±10 % | ±20 % | 60 |
| 20 ppm Carbon Monoxide // Nitrogen | 1 | 323517 | 312060 | 329554 | 327485 | 7 | ±10 % | ±20 % | 60 |
| 50 ppm Carbon Monoxide // Air | 1 | 312085 | 312896 | 313459 | 312039 | 7 | ±5 % | ±10 % | 60 |
| 60 ppm Carbon Monoxide // Air | 1 | 312082 | 333325 | 318755 | 319223 | 7 | ±2 % | ±10 % | 60 |
| 100 ppm Carbon Monoxide // Air | 1 | 312110 | 312061 | 312724 | 312024 | 7 | ±2 % | ±10 % | 60 |
| 100 ppm Carbon Monoxide // Nitrogen | 1 | 313907 | 314405 | 315775 | 312043 | 7 | ±2 % | ±10 % | 60 |
| 150 ppm Carbon Monoxide // Air | 1 | 312107 | 315980 | 332331 | 312040 | 7 | ±2 % | ±5 % | 60 |
| 200 ppm Carbon Monoxide // Air | 1 | 312111 | 312067 | 320709 | 312033 | 7 | ±2 % | ±5 % | 60 |
| 200 ppm Carbon Monoxide // Nitrogen | 1 | 323885 | 314413 | 333319 | 312028 | 7 | ±2 % | ±5 % | 60 |
| 250 ppm Carbon Monoxide // Air | 1 | 315502 | 313669 | 321378 | 312041 | 7 | ±2 % | ±5 % | 60 |
| 300 ppm Carbon Monoxide // Air | 1 | 312086 | 312076 | 312057 | 312023 | 7 | ±2 % | ±5 % | 60 |
| 500 ppm Carbon Monoxide // Air | 1 | 318888 | 313670 | 314383 | 317671 | 7 | ±2 % | ±5 % | 60 |
| 500 ppm Carbon Monoxide // Nitrogen | 1 | 317030 | 319461 | 315777 | 312964 | 7 | ±2 % | ±5 % | 60 |
| 1000 ppm Carbon Monoxide // Air | 1 | 312127 | 313953 | 314385 | 312128 | 7 | ±2 % | ±5 % | 60 |
| 1000 ppm Carbon Monoxide // Nitrogen | 1 | 327464 | 328753 | 317967 | 321856 | 7 | ±2 % | ±5 % | 60 |
| 2000 ppm Carbon Monoxide // Nitrogen | 1 | 323516 | 313099 | 314890 | 312700 | 7 | ±2 % | ±5 % | 60 |
| 1 % Carbon Monoxide // Air | 1 | 320906 | 316687 | 333945 | 314402 | 7 | ±2 % | ±5 % | 60 |
| 5 % Carbon Monoxide // Air | 1 | 326514 | 333972 | 333973 | 316785 | 7 | ±2 % | ±5 % | 60 |
| 5 % Carbon Monoxide // Nitrogen | 1 | 318797 | 333970 | 333971 | 314090 | 7 | ±2 % | ±5 % | 60 |
| <i>Any concentration of Carbon Monoxide // Air or Nitrogen between 5 ppm - 3 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |
| Chlorine (Cl₂) | | | | | | | | | |
| 5 ppm Chlorine // Nitrogen | 4 | ✗ | 312883 | 312639 | 312937 | 12 | ±10 % | ±20 % | 12 |
| 10 ppm Chlorine // Nitrogen | 4 | ✗ | 313589 | 312644 | 312641 | 12 | ±10 % | ±20 % | 12 |
| 20 ppm Chlorine // Nitrogen | 4 | ✗ | 313588 | 314683 | 314539 | 12 | ±10 % | ±20 % | 12 |
| 50 ppm Chlorine // Nitrogen | 4 | ✗ | 313754 | 313590 | 322722 | 12 | ±5 % | ±10 % | 12 |
| Ethane (C₂H₆) | | | | | | | | | |
| 100 % Ethane (2.5) | 1 | ✗ | 432792 | 428942 | ✗ | 7 | N/A | N/A | 60 |
| Ethanol (C₂H₆O) | | | | | | | | | |
| 130 ppm Ethanol // Nitrogen | 1 | ✗ | 328505 | 334051 | 324975 | 7 | ±2 % | ±5 % | 36 |
| 192 ppm Ethanol // Nitrogen | 1 | ✗ | 312219 | 334053 | 323561 | 7 | ±2 % | ±5 % | 36 |
| 260 ppm Ethanol // Nitrogen | 1 | ✗ | 322969 | 334050 | 369077 | 7 | ±2 % | ±5 % | 36 |
| Ethylene (C₂H₄) | | | | | | | | | |
| 1000 ppm Ethylene // Air | 1 | 333974 | 325235 | 325624 | 312681 | 7 | ±2 % | ±5 % | 60 |
| 1 % Ethylene // Air | 1 | 315903 | 314682 | 315076 | 313820 | 7 | ±2 % | ±5 % | 60 |
| 1 % Ethylene // Nitrogen | 1 | 312757 | 313539 | 326928 | 327317 | 7 | ±2 % | ±5 % | 60 |
| 1.35 % Ethylene // Air | 1 | 320936 | 313701 | 318834 | 312018 | 7 | ±2 % | ±5 % | 60 |
| 100 % Ethylene (2.5) (pressure restricted 400 psig) | 1 | 426628 | 432793 | 410012 | ✗ | 7 | N/A | N/A | 60 |
| <i>Any concentration of Ethylene // Air between 0.1 % - 1.35 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |
| Ethylene Oxide (ETO) (C₂H₄O) | | | | | | | | | |
| 10 ppm Ethylene Oxide // Nitrogen | 1 | ✗ | 317560 | 313827 | 313019 | 15 | ±10 % | ±20 % | 6 |
| 10 ppm Ethylene Oxide // Air | 1 | ✗ | 319367 | 319319 | 319515 | 15 | ±2 % | ±10 % | 6 |
| 100 ppm Ethylene Oxide // Air | 1 | ✗ | 316726 | 314893 | 314679 | 15 | ±2 % | ±10 % | 6 |
| Helium (He) | | | | | | | | | |
| 100 % Helium "Premier" (5.0) | 1 | ✗ | 197145 | 446789 | 197141 | 7 | N/A | N/A | 60 |

| Mixture | Cat. | Aerosol | 34L | 58L | 110L | Days | Cert. tol. | Prod. tol. | Stability (months) | |
|--|------|---------|--------|--------|--------|------|------------|------------|--------------------|--|
| Heptane (C₇H₁₆) | | | | | | | | | | |
| 0.2 % Heptane // Air | 1 | 312206 | 325856 | 325994 | X | 7 | ±2 % | ±5 % | 60 | |
| 0.44 % Heptane // Air | 1 | 325236 | 334146 | 334147 | X | 7 | ±2 % | ±5 % | 60 | |
| 0.45 % Heptane // Air | 1 | 312176 | 316009 | 327292 | X | 7 | ±2 % | ±5 % | 60 | |
| 0.55 % Heptane // Air | 1 | 312177 | 318099 | 318611 | X | 7 | ±2 % | ±5 % | 60 | |
| Hexane (C₆H₁₄) | | | | | | | | | | |
| 1000 ppm Hexane // Air (pressure restricted 600 psig) | 1 | 334143 | 334144 | 334145 | 315405 | 7 | ±2 % | ±5 % | 60 | |
| 1200 ppm Hexane // Air (pressure restricted 450 psig) | 1 | 316856 | 312942 | 365969 | 326072 | 7 | ±2 % | ±5 % | 60 | |
| 0.5 % Hexane // Air (pressure restricted 100 psig) | 1 | 312149 | 312729 | 313830 | 312150 | 7 | ±2 % | ±5 % | 60 | |
| Any concentration of Hexane // Air between 0.1 % - 0.5 % | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 | |
| Hydrogen (H₂) | | | | | | | | | | |
| 100 ppm Hydrogen // Air | 1 | 314503 | 314054 | 325697 | 313430 | 7 | ±2 % | ±10 % | 60 | |
| 100 ppm Hydrogen // Nitrogen | 1 | 315976 | 314289 | 313697 | 312044 | 7 | ±2 % | ±10 % | 60 | |
| 200 ppm Hydrogen // Air | 1 | 312108 | 315065 | 314329 | 314406 | 7 | ±2 % | ±5 % | 60 | |
| 500 ppm Hydrogen // Air | 1 | 324116 | 319462 | 314091 | 314894 | 7 | ±2 % | ±5 % | 60 | |
| 0.1 % Hydrogen // Air | 1 | 313151 | 313536 | 314612 | 312153 | 7 | ±2 % | ±5 % | 60 | |
| 0.2 % Hydrogen // Air | 1 | 313422 | 317532 | 328197 | 321889 | 7 | ±2 % | ±5 % | 60 | |
| 0.4 % Hydrogen // Air | 1 | 316857 | 312068 | 325944 | 318351 | 7 | ±2 % | ±5 % | 60 | |
| 0.5 % Hydrogen // Air | 1 | 327462 | 317559 | 322347 | 314804 | 7 | ±2 % | ±5 % | 60 | |
| 0.8 % Hydrogen // Air | 1 | 312145 | 331661 | 314133 | 319789 | 7 | ±2 % | ±5 % | 60 | |
| 1 % Hydrogen // Air | 1 | 312146 | 312730 | 315541 | 313803 | 7 | ±2 % | ±5 % | 60 | |
| 1 % Hydrogen // Nitrogen | 1 | 323363 | 323333 | 334389 | 319760 | 7 | ±2 % | ±5 % | 60 | |
| 1.2 % Hydrogen // Air | 1 | 334390 | 334391 | 334392 | 319765 | 7 | ±2 % | ±5 % | 60 | |
| 1.6 % Hydrogen // Air | 1 | 312151 | 312731 | 313657 | 317783 | 7 | ±2 % | ±5 % | 60 | |
| 2 % Hydrogen // Air | 1 | 312097 | 312071 | 316519 | 312025 | 7 | ±2 % | ±5 % | 60 | |
| 10 % Hydrogen // Nitrogen | 1 | 320101 | 315900 | 320102 | 315901 | 7 | ±2 % | ±5 % | 60 | |
| 100 % Hydrogen "Premier Plus" (5.0) | 1 | 199543 | 197147 | 401822 | 197137 | 7 | N/A | N/A | 60 | |
| Hydrogen Chloride (HCl) | | | | | | | | | | |
| 5 ppm Hydrogen Chloride // Nitrogen | 4 | X | 444658 | 199392 | 446912 | 12 | ±10 % | ±20 % | 12 | |
| 10 ppm Hydrogen Chloride // Nitrogen | 4 | X | 199388 | 197129 | 199403 | 12 | ±10 % | ±20 % | 12 | |
| 20 ppm Hydrogen Chloride // Nitrogen | 4 | X | 199270 | 403192 | 403196 | 12 | ±10 % | ±20 % | 12 | |
| 25 ppm Hydrogen Chloride // Nitrogen | 4 | X | 199689 | 197130 | 414188 | 12 | ±5 % | ±10 % | 12 | |
| 50 ppm Hydrogen Chloride // Nitrogen | 4 | X | 446913 | 401825 | 432942 | 12 | ±5 % | ±10 % | 12 | |
| Hydrogen Cyanide (HCN) | | | | | | | | | | |
| 5 ppm Hydrogen Cyanide // Nitrogen | 4 | X | 446858 | 400563 | 422420 | 12 | ±5 % | ±10 % | 12 | |
| 10 ppm Hydrogen Cyanide // Nitrogen | 4 | X | 197143 | 197131 | 197132 | 12 | ±5 % | ±10 % | 12 | |
| 20 ppm Hydrogen Cyanide // Nitrogen | 4 | X | 446859 | 430724 | 408066 | 12 | ±5 % | ±10 % | 12 | |
| 25 ppm Hydrogen Cyanide // Nitrogen | 4 | X | 199602 | 418489 | 199792 | 12 | ±5 % | ±10 % | 12 | |
| Hydrogen Sulphide (H₂S) | | | | | | | | | | |
| 5 ppm Hydrogen Sulphide // Air | 2 | X | 322744 | 319831 | 355531 | 15 | ±10 % | ±20 % | 24 | |
| 5 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 319361 | 327444 | 317531 | 15 | ±10 % | ±20 % | 24 | |
| 10 ppm Hydrogen Sulphide // Air | 2 | X | 313949 | 312152 | 355532 | 15 | ±10 % | ±20 % | 24 | |
| 10 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 314285 | 312147 | 312144 | 15 | ±10 % | ±20 % | 24 | |
| 15 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 313429 | 320574 | 313895 | 15 | ±10 % | ±20 % | 24 | |
| 20 ppm Hydrogen Sulphide // Air | 2 | X | 313698 | 312160 | 355533 | 15 | ±10 % | ±20 % | 24 | |
| 20 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 322259 | 313461 | 312158 | 15 | ±10 % | ±20 % | 24 | |
| 25 ppm Hydrogen Sulphide // Air | 2 | X | 312698 | 312175 | 355534 | 15 | ±5 % | ±10 % | 24 | |
| 25 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 312168 | 312169 | 312172 | 15 | ±5 % | ±10 % | 24 | |
| 40 ppm Hydrogen Sulphide // Air | 2 | X | 320743 | 312181 | 355535 | 15 | ±5 % | ±10 % | 24 | |
| 40 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 314395 | 314330 | 315680 | 15 | ±5 % | ±10 % | 24 | |
| 50 ppm Hydrogen Sulphide // Air | 2 | X | 312719 | 312187 | 317123 | 15 | ±5 % | ±10 % | 24 | |
| 50 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 312969 | 312185 | 312184 | 15 | ±5 % | ±10 % | 24 | |
| 100 ppm Hydrogen Sulphide // Air | 2 | X | 313109 | 312900 | 355536 | 15 | ±2 % | ±5 % | 24 | |
| 100 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 315162 | 318231 | 312141 | 15 | ±2 % | ±10 % | 24 | |
| 150 ppm Hydrogen Sulphide // Air | 2 | X | 334420 | 320687 | 355537 | 15 | ±2 % | ±5 % | 24 | |
| 250 ppm Hydrogen Sulphide // Air | 2 | X | 314234 | 334421 | 355538 | 15 | ±2 % | ±5 % | 24 | |
| 250 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 320383 | 314800 | 316786 | 15 | ±2 % | ±5 % | 24 | |
| 500 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 313946 | 314506 | 314384 | 15 | ±2 % | ±5 % | 24 | |
| 1000 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 320382 | 333336 | 318027 | 15 | ±2 % | ±5 % | 24 | |
| 1400 ppm Hydrogen Sulphide // Nitrogen | 2 | X | 334423 | 314598 | 317778 | 15 | ±2 % | ±5 % | 24 | |
| 1 % Hydrogen Sulphide // Nitrogen | 2 | X | 320461 | 334419 | 312703 | 15 | ±2 % | ±5 % | 24 | |
| Krypton (Kr) | | | | | | | | | | |
| 100% Krypton (4.0) (pressure restricted 780 psig) | POA | X | X | X | 497702 | 7 | N/A | N/A | 60 | |
| Methane (CH₄) | | | | | | | | | | |
| 100 ppm Methane // Air | 1 | 313700 | 314059 | 312949 | 322144 | 7 | ±2 % | ±10 % | 60 | |
| 1000 ppm Methane // Air | 1 | 320907 | 315645 | 326530 | 314092 | 7 | ±2 % | ±5 % | 60 | |
| 0.44 % Methane // Air | 1 | 312101 | 315771 | 326679 | 314184 | 7 | ±2 % | ±5 % | 60 | |

| Mixture | Cat. | Aerosol | 34L | 58L | 110L | Days | Cert. tol. | Prod. tol. | Stability (months) |
|---|------|---------|--------|--------|--------|------|------------|------------|--------------------|
| 0.5 % Methane // Air | 1 | 317292 | 321262 | 327015 | 312026 | 7 | ±2 % | ±5 % | 60 |
| 0.88 % Methane // Air | 1 | 312081 | 321200 | 322803 | 312659 | 7 | ±2 % | ±5 % | 60 |
| 1 % Methane // Air | 1 | 317995 | 312675 | 315075 | 312019 | 7 | ±2 % | ±5 % | 60 |
| 1 % Methane // Nitrogen | 1 | 331392 | 320964 | 334454 | 312020 | 7 | ±2 % | ±5 % | 60 |
| 1.25 % Methane // Air | 1 | 315644 | 314050 | 326676 | 312022 | 7 | ±2 % | ±5 % | 60 |
| 1.5 % Methane // Air | 1 | 312104 | 327094 | 327093 | 316691 | 7 | ±2 % | ±5 % | 60 |
| 1.8 % Methane // Air | 1 | 312099 | 314397 | 312054 | 313956 | 7 | ±2 % | ±5 % | 60 |
| 2 % Methane // Air | 1 | 312882 | 312062 | 314048 | 312029 | 7 | ±2 % | ±5 % | 60 |
| 2.2 % Methane // Air | 1 | 312102 | 312065 | 313498 | 312049 | 7 | ±2 % | ±5 % | 60 |
| 2.5 % Methane // Air | 1 | 312083 | 312075 | 312059 | 312030 | 7 | ±2 % | ±5 % | 60 |
| 2.5 % Methane // Nitrogen | 1 | 321505 | 314382 | 321506 | 312013 | 7 | ±2 % | ±5 % | 60 |
| 3 % Methane // Nitrogen | 1 | 334455 | 333128 | 329431 | 312032 | 7 | ±2 % | ±5 % | 60 |
| 5 % Methane // Nitrogen | 1 | 325063 | 321201 | 324982 | 317167 | 7 | ±2 % | ±5 % | 60 |
| 8 % Methane // Nitrogen | 1 | 312080 | 329100 | 334456 | 321546 | 7 | ±2 % | ±5 % | 60 |
| 10 % Methane // Nitrogen | 1 | 315647 | 315947 | 325938 | 312037 | 7 | ±2 % | ±5 % | 60 |
| 20 % Methane // Nitrogen | 1 | 333310 | 317780 | 334457 | 312704 | 7 | ±2 % | ±5 % | 60 |
| 50 % Methane // Nitrogen | 1 | 312635 | 312748 | 319829 | 312634 | 7 | ±2 % | ±5 % | 60 |
| 50 % Methane // Carbon Dioxide (pressure restricted 650 psig) | 1 | 314386 | 312904 | 324374 | 314508 | 7 | ±2 % | ±5 % | 60 |
| 60 % Methane // Carbon Dioxide (pressure restricted 800 psig) | 1 | 313127 | 313116 | 312202 | 327613 | 7 | ±2 % | ±5 % | 60 |
| 100 % Methane (2.5) | 1 | 197134 | 199605 | 199381 | 197139 | 7 | N/A | N/A | 60 |
| <i>Any concentration of Methane // Air between 5 ppm - 2.5 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | | | 60 |
| Nitric Oxide (NO) | | | | | | | | | |
| 10 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 313107 | 312970 | 313948 | 15 | ±10 % | ±20 % | 12 |
| 25 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 312972 | 312240 | 312971 | 15 | ±5 % | ±10 % | 12 |
| 50 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 312973 | 314265 | 312665 | 15 | ±5 % | ±10 % | 12 |
| 100 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 312963 | 313531 | 312956 | 15 | ±2 % | ±10 % | 12 |
| 500 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 317184 | 316019 | 322146 | 15 | ±2 % | ±10 % | 12 |
| 1000 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 316789 | 312962 | 312961 | 15 | ±2 % | ±5 % | 12 |
| 4000 ppm Nitric Oxide // Nitrogen | 2 | ✗ | 334458 | 334459 | 315672 | 15 | ±2 % | ±5 % | 12 |
| Nitrogen (N₂) | | | | | | | | | |
| 100 % Nitrogen "Technical" (5.0) | 1 | 197133 | 197146 | 197135 | 197140 | 7 | N/A | N/A | 60 |
| Nitrogen Dioxide (NO₂) | | | | | | | | | |
| 5 ppm Nitrogen Dioxide // Air | 3 | ✗ | 312646 | 313462 | 314891 | 15 | ±10 % | ±20 % | 6 |
| 5 ppm Nitrogen Dioxide // Nitrogen | 3 | ✗ | 312943 | 332788 | 316933 | 15 | ±10 % | ±20 % | 6 |
| 10 ppm Nitrogen Dioxide // Air | 3 | ✗ | 312215 | 312214 | 312674 | 15 | ±10 % | ±20 % | 6 |
| 10 ppm Nitrogen Dioxide // Nitrogen | 3 | ✗ | 319915 | 313821 | 315677 | 15 | ±10 % | ±20 % | 6 |
| 20 ppm Nitrogen Dioxide // Air | 3 | ✗ | 312905 | 312946 | 315074 | 15 | ±10 % | ±20 % | 6 |
| 25 ppm Nitrogen Dioxide // Air | 3 | ✗ | 313118 | 316531 | 313101 | 15 | ±5 % | ±10 % | 6 |
| 100 ppm Nitrogen Dioxide // Air | 3 | ✗ | 313167 | 314205 | 316021 | 15 | ±5 % | ±10 % | 6 |
| 100 ppm Nitrogen Dioxide // Nitrogen | 3 | ✗ | 334460 | 313532 | 318947 | 15 | ±2 % | ±10 % | 6 |
| 500 ppm Nitrogen Dioxide // Nitrogen | 3 | ✗ | 327567 | 334461 | 315671 | 15 | ±2 % | ±5 % | 6 |
| 1000 ppm Nitrogen Dioxide // Air | 3 | ✗ | 316017 | 333316 | 333313 | 15 | ±2 % | ±5 % | 6 |
| Nitrous Oxide (N₂O) | | | | | | | | | |
| 100 ppm Nitrous Oxide // Nitrogen | 1 | 313121 | 312213 | 326391 | 315540 | 7 | ±2 % | ±10 % | 60 |
| 200 ppm Nitrous Oxide // Nitrogen | 1 | 322362 | 313958 | 328950 | 333466 | 7 | ±2 % | ±5 % | 60 |
| 1 % Nitrous Oxide // Nitrogen | 1 | 322116 | 313959 | 314684 | 319159 | 7 | ±2 % | ±5 % | 60 |
| Oxygen (O₂) | | | | | | | | | |
| 100 ppm Oxygen // Nitrogen | 1 | ✗ | 334462 | 316494 | 313175 | 7 | ±2 % | ±10 % | 60 |
| 0.4 % Oxygen // Nitrogen | 1 | 312672 | 324148 | 326012 | 312014 | 7 | ±2 % | ±5 % | 60 |
| 1 % Oxygen // Nitrogen | 1 | 314610 | 313506 | 316497 | 313892 | 7 | ±2 % | ±5 % | 60 |
| 2 % Oxygen // Nitrogen | 1 | 316919 | 315532 | 334294 | 312050 | 7 | ±2 % | ±5 % | 60 |
| 4 % Oxygen // Nitrogen | 1 | 316561 | 318610 | 314409 | 312670 | 7 | ±2 % | ±5 % | 60 |
| 5 % Oxygen // Nitrogen | 1 | 312109 | 312069 | 316493 | 312038 | 7 | ±2 % | ±5 % | 60 |
| 8 % Oxygen // Nitrogen | 1 | 317128 | 317188 | 316724 | 312051 | 7 | ±2 % | ±5 % | 60 |
| 10 % Oxygen // Nitrogen | 1 | 315401 | 319360 | 314629 | 313534 | 7 | ±2 % | ±5 % | 60 |
| 15 % Oxygen // Nitrogen | 1 | 312087 | 312720 | 318226 | 312727 | 7 | ±2 % | ±5 % | 60 |
| 18 % Oxygen // Nitrogen | 1 | 312881 | 314722 | 314286 | 313651 | 7 | ±2 % | ±5 % | 60 |
| 18.5 % Oxygen // Nitrogen | 1 | 312106 | 314718 | 334569 | 312042 | 7 | ±2 % | ±5 % | 60 |
| 20.9 % Oxygen // Nitrogen | 1 | 312095 | 312070 | 312058 | 312016 | 7 | ±2 % | ±5 % | 60 |
| 23.5 % Oxygen // Nitrogen | 1 | 317608 | 323558 | 326810 | 327416 | 7 | ±2 % | ±5 % | 60 |
| <i>Any concentration of Oxygen // Nitrogen between 0.1 % - 21 %</i> | 1 | ✗ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |
| Pentane (C₅H₁₂) | | | | | | | | | |
| 0.7 % Pentane // Air | 1 | 312157 | 313156 | 312156 | 312155 | 7 | ±2 % | ±5 % | 60 |
| <i>Any concentration of Pentane in Air between 0.1 % - 0.7 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | ±2 % | ±5 % | 60 |

| Mixture | Cat. | Aerosol | 34L | 58L | 110L | Days | Cert. tol. | Prod. tol. | Stability (months) | |
|--|------|---------|--------|--------|--------|--------|------------|------------|--------------------|----|
| Phosphine (PH₃) | | | | | | | | | | |
| 0.5 ppm Phosphine // Nitrogen | 4 | X | 199405 | 199390 | 411491 | 12 | ±10 % | ±20 % | 12 | |
| 5 ppm Phosphine // Nitrogen | 4 | X | 406787 | 414925 | 400561 | 12 | ±10 % | ±20 % | 12 | |
| 10 ppm Phosphine // Nitrogen | 4 | X | 199603 | 403193 | 446914 | 12 | ±10 % | ±20 % | 12 | |
| Propane (C₃H₈) | | | | | | | | | | |
| 0.1 % Propane // Air | 1 | | 315542 | 317558 | 313954 | 315713 | 7 | ±2 % | ±5 % | 60 |
| 0.5 % Propane // Air | 1 | | 315899 | 312066 | 317181 | 314681 | 7 | ±2 % | ±5 % | 60 |
| 0.68 % Propane // Air | 1 | | 312105 | 312941 | 312055 | 322344 | 7 | ±2 % | ±5 % | 60 |
| 0.85 % Propane // Air | 1 | | 312103 | 312064 | 314401 | 312046 | 7 | ±2 % | ±5 % | 60 |
| 0.9 % Propane // Air | 1 | | 333465 | 319465 | 328113 | 321886 | 7 | ±2 % | ±5 % | 60 |
| 1 % Propane // Air | 1 | | 312092 | 312077 | 312053 | 312047 | 7 | ±2 % | ±5 % | 60 |
| 1.1 % Propane // Air | 1 | | 312088 | 312072 | 314885 | 312048 | 7 | ±2 % | ±5 % | 60 |
| 50 % Propane // Nitrogen | 1 | | 329434 | 315536 | 326644 | 324629 | 7 | ±2 % | ±5 % | 60 |
| 100 % Propane (2.5) | 1 | | 444441 | 430304 | 443722 | X | 7 | N/A | N/A | 60 |
| <i>Any concentration of Propane // Air between 5 ppm - 1.1 %</i> | 1 | ✓ | ✓ | ✓ | ✓ | 7 | | | 60 | |
| Propylene (C₃H₆) | | | | | | | | | | |
| 1 % Propylene // Air | 1 | | 332903 | 315077 | 317602 | 315398 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R12 | | | | | | | | | | |
| 1000 ppm Refrigerant R12 // Air | 1 | | 352250 | 352251 | 352252 | 347302 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R123 | | | | | | | | | | |
| 1000 ppm Refrigerant R123 // Air | 1 | | 339978 | 334588 | 339350 | 339349 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R1234YF | | | | | | | | | | |
| 1000 ppm Refrigerant R1234YF // Air | 1 | | 339982 | 339421 | 335745 | 339420 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R1234ZE | | | | | | | | | | |
| 1000 ppm Refrigerant R1234ZE // Air | 1 | | 352697 | 352698 | 352699 | 350503 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R125 | | | | | | | | | | |
| 1000 ppm Refrigerant R125 // Air | 1 | | 352253 | 335522 | 352254 | 344026 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R134A | | | | | | | | | | |
| 500 ppm Refrigerant R134A // Air | 1 | | 312227 | 314463 | 320938 | 313424 | 7 | ±2 % | ±5 % | 60 |
| 1000 ppm Refrigerant R134A // Air | 1 | | 312122 | 312124 | 313495 | 312123 | 7 | ±2 % | ±5 % | 60 |
| 2000 ppm Refrigerant R134A // Air | 1 | | 312205 | 320337 | 316529 | 321377 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R14 | | | | | | | | | | |
| 1000 ppm Refrigerant R14 // Air | 1 | | 335106 | 335148 | 335104 | 335105 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R143A | | | | | | | | | | |
| 1000 ppm Refrigerant R143A // Air | 1 | | 333534 | 328703 | 314848 | 329371 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R22 | | | | | | | | | | |
| 100 ppm Refrigerant R22 // Air | 1 | | 334622 | 332789 | 334623 | 327974 | 7 | ±2 % | ±10 % | 60 |
| 1000 ppm Refrigerant R22 // Air | 1 | | 314978 | 314548 | 321969 | 315130 | 7 | ±2 % | ±5 % | 60 |
| 2000 ppm Refrigerant R22 // Air | 1 | | 316854 | 334624 | 334626 | 334625 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R227EA | | | | | | | | | | |
| 1000 ppm Refrigerant R227EA // Air | 1 | | 352255 | 352256 | 352257 | 350478 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R23 | | | | | | | | | | |
| 1000 ppm Refrigerant R23 // Air | 1 | | 334695 | 334693 | 334696 | 334676 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R32 | | | | | | | | | | |
| 1000 ppm Refrigerant R32 // Air | 1 | | 352258 | 352259 | 352260 | 350623 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R404A | | | | | | | | | | |
| 500 ppm Refrigerant R404A // Air | 1 | | 319274 | 334694 | 327991 | 327768 | 7 | ±2 % | ±5 % | 60 |
| 1000 ppm Refrigerant R404A // Air | 1 | | 319275 | 320625 | 322665 | 320098 | 7 | ±2 % | ±5 % | 60 |
| 2000 ppm Refrigerant R404A // Air | 1 | | 333377 | 334714 | 334715 | 325414 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R407A | | | | | | | | | | |
| 1000 ppm Refrigerant R407A // Air | 1 | | 339983 | 339554 | 339552 | 339551 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R407C | | | | | | | | | | |
| 1000 ppm Refrigerant R407C // Air | 1 | | 321489 | 328225 | 322664 | 319479 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R407F | | | | | | | | | | |
| 1000 ppm Refrigerant R407F // Air | 1 | | 352249 | 352261 | 352262 | 350370 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R410A | | | | | | | | | | |
| 1000 ppm Refrigerant R410A // Air | 1 | | 328756 | 322115 | 328951 | 319174 | 7 | ±2 % | ±5 % | 60 |
| 3000 ppm Refrigerant R410A // Air | 1 | | 329440 | 334716 | 334717 | 333324 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R422A | | | | | | | | | | |
| 1000 ppm Refrigerant R422A // Air | 1 | | 352263 | 352264 | 352265 | 350453 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R422D | | | | | | | | | | |
| 1000 ppm Refrigerant R422D // Air | 1 | | 339984 | 339681 | 339659 | 339658 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R448A | | | | | | | | | | |
| 1000 ppm Refrigerant R448A // Air | 1 | | 352266 | 352267 | 352268 | 350454 | 7 | ±2 % | ±5 % | 60 |

| Mixture | Cat. | Aerosol | 34L | 58L | 110L | Days | Cert. tol. | Prod. tol. | Stability (months) |
|---|------|---------|--------|--------|--------|------|------------|------------|--------------------|
| Refrigerant R449A | | | | | | | | | |
| 1000 ppm Refrigerant R449A // Air | 1 | 352269 | 352270 | 352271 | 350569 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R500 | | | | | | | | | |
| 1000 ppm Refrigerant R500 // Air | 1 | 352784 | 352785 | 352786 | 352831 | 7 | ±2 % | ±5 % | 60 |
| Refrigerant R507 | | | | | | | | | |
| 1000 ppm Refrigerant R507 // Air | 1 | 334718 | 327168 | 334719 | 333333 | 7 | ±2 % | ±5 % | 60 |
| 2000 ppm Refrigerant R507 // Air | 1 | 334720 | 332766 | 334721 | 328824 | 7 | ±2 % | ±5 % | 60 |
| Silane (SiH₄) | | | | | | | | | |
| 5 ppm Silane // Nitrogen | 4 | X | 199393 | 199394 | 406788 | 12 | ±10 % | ±20 % | 12 |
| 10 ppm Silane // Nitrogen | 4 | X | 403197 | 409398 | 414446 | 12 | ±10 % | ±20 % | 12 |
| 15 ppm Silane // Nitrogen | 4 | X | 421142 | 199389 | 417922 | 12 | ±10 % | ±20 % | 12 |
| Sulphur Dioxide (SO₂) | | | | | | | | | |
| 10 ppm Sulphur Dioxide // Nitrogen | 2 | X | 312721 | 312243 | 312241 | 15 | ±10 % | ±20 % | 24 |
| 20 ppm Sulphur Dioxide // Nitrogen | 2 | X | 313174 | 314058 | 315275 | 15 | ±10 % | ±20 % | 24 |
| 100 ppm Sulphur Dioxide // Nitrogen | 2 | X | 334745 | 313533 | 313944 | 15 | ±2 % | ±10 % | 24 |
| 2000 ppm Sulphur Dioxide // Nitrogen | 2 | X | 334746 | 334747 | 315501 | 15 | ±2 % | ±5 % | 24 |
| Any concentration of Sulphur Dioxide // Air between 5 ppm - 100 ppm | 2 | X | ✓ | ✓ | ✓ | 15 | | | 24 |
| Any concentration of Sulphur Dioxide // Nitrogen between 5 ppm - 2000 ppm | 2 | X | ✓ | ✓ | ✓ | 15 | | | 24 |
| Sulphur Hexafluoride (SF₆) | | | | | | | | | |
| 500 ppm Sulphur Hexafluoride // Air | 1 | 334748 | 318277 | 334749 | 326148 | 7 | ±2 % | ±5 % | 60 |
| 1000 ppm Sulphur Hexafluoride // Air | 1 | 321076 | 314185 | 334863 | 320099 | 7 | ±2 % | ±5 % | 60 |
| 1 % Sulphur Hexafluoride // Air | 1 | 322970 | 334864 | 334865 | 333924 | 7 | ±2 % | ±5 % | 60 |
| 100 % Sulphur Hexafluoride (4.0) | 1 | 440596 | 446790 | 404333 | X | 7 | N/A | N/A | 60 |
| Toluene (C₇H₈) | | | | | | | | | |
| 100 ppm Toluene // Air (pressure restricted 750 psig) | 1 | 333320 | 333332 | 333331 | 313113 | 7 | ±2 % | ±10 % | 60 |
| 200 ppm Toluene // Air (pressure restricted 400 psig) | 1 | 319154 | 327123 | 334866 | 314240 | 7 | ±2 % | ±5 % | 60 |
| Vinyl Chloride (VCM) (C₂H₃Cl) | | | | | | | | | |
| 10 ppm Vinyl Chloride // Nitrogen | 3 | X | 313649 | 326073 | 325696 | 15 | ±10 % | ±20 % | 60 |
| 2-gas mixes | | | | | | | | | |
| 1 % Propane / 18 % Oxygen // Nitrogen | 1 | 334867 | 333339 | 334892 | 319010 | 7 | ±2 % | ±5 % | 60 |
| 8 % Butane / 13.8 % Carbon Dioxide // Nitrogen (pressure restricted 100 psig) | 1 | 312638 | 312637 | 326074 | 317521 | 7 | ±2 % | ±5 % | 60 |
| 1 % Methane / 3 % Carbon Dioxide // Nitrogen | 1 | 334944 | 323882 | 334893 | 334894 | 7 | ±2 % | ±5 % | 60 |
| 1.5 % Methane / 15 % Oxygen // Nitrogen | 1 | 334945 | 313157 | 334895 | 312159 | 7 | ±2 % | ±5 % | 60 |
| 1.62 % Methane / 18 % Oxygen // Nitrogen | 1 | 334946 | 320628 | 334897 | 334896 | 7 | ±2 % | ±5 % | 60 |
| 0.9 % Butane / 18 % Oxygen // Nitrogen | 1 | 334947 | 334948 | 334949 | 322614 | 7 | ±2 % | ±5 % | 60 |
| 0.7 % Pentane / 15 % Oxygen // Nitrogen | 1 | 335026 | 327082 | 365970 | 333575 | 7 | ±2 % | ±5 % | 60 |
| 0.7 % Pentane / 18 % Oxygen // Nitrogen | 1 | 335027 | 335031 | 329096 | 322616 | 7 | ±2 % | ±5 % | 60 |
| 25 % Nitrogen / 35 % Carbon Dioxide // Methane | 1 | 335028 | 335029 | 335030 | 315941 | 7 | ±2 % | ±5 % | 60 |
| 2.2 % Methane / 18 % Oxygen // Nitrogen | 1 | 335107 | 317603 | 319583 | 322615 | 7 | ±2 % | ±5 % | 60 |
| 2.5 % Methane / 18 % Oxygen // Nitrogen | 1 | 335108 | 317598 | 317601 | 321835 | 7 | ±2 % | ±5 % | 60 |
| 5 % Methane / 10 % Carbon Dioxide // Nitrogen | 1 | 335109 | 335110 | 313128 | 333323 | 7 | ±2 % | ±5 % | 60 |
| 0.5 % Oxygen / 30 % Carbon Dioxide // Nitrogen | 1 | 312671 | 333311 | 333312 | 332611 | 7 | ±2 % | ±5 % | 60 |
| 3-gas mixes | | | | | | | | | |
| 2 % Carbon Dioxide / 2.5 % Methane / 15 % Oxygen // Nitrogen | 2 | 319138 | 321547 | 312182 | 312183 | 7 | ±2 % | ±5 % | 60 |
| 50 ppm Carbon Monoxide / 4 % Methane / 5 % Carbon Dioxide // Nitrogen | 2 | 335111 | 335112 | 335113 | 312189 | 7 | ±2 % | ±5 % | 60 |
| 5 % Carbon Dioxide / 5 % Methane / 6 % Oxygen // Nitrogen | 2 | 313023 | 333335 | 312945 | 312740 | 7 | ±2 % | ±5 % | 60 |
| 50 ppm Carbon Monoxide / 2.2 % Methane / 18 % Oxygen // Nitrogen | 2 | 335203 | 335320 | 335321 | 320051 | 7 | ±2 % | ±5 % | 60 |
| 50 ppm Carbon Monoxide / 2.5 % Methane / 12 % Oxygen // Nitrogen | 2 | 335204 | 317405 | 316069 | 314802 | 7 | ±2 % | ±5 % | 60 |
| 50 ppm Carbon Monoxide / 2.5 % Methane / 18 % Oxygen // Nitrogen | 2 | 335205 | 335322 | 335323 | 314095 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Carbon Monoxide / 2.2 % Methane / 15 % Oxygen // Nitrogen | 2 | 335206 | 312207 | 318227 | 318677 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Carbon Monoxide / 2.5 % Methane / 19 % Oxygen // Nitrogen | 2 | 317595 | 312078 | 320908 | 312741 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Carbon Monoxide / 2.5 % Methane / 18 % Oxygen // Nitrogen | 2 | 335207 | 317605 | 317604 | 330312 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Carbon Monoxide / 2.2 % Methane / 18 % Oxygen // Nitrogen | 2 | 335208 | 317607 | 317606 | 324949 | 7 | ±2 % | ±5 % | 60 |
| 25 ppm Hydrogen Sulphide / 2.5 % Methane / 18.5 % Oxygen // Nitrogen | 3 | X | 312682 | 313502 | 355539 | 15 | Dif. | Dif. | 24 |
| 50 ppm Hydrogen Sulphide / 2.5 % Methane / 17 % Oxygen // Nitrogen | 3 | X | 313648 | 335324 | 355540 | 15 | Dif. | Dif. | 24 |
| 15 ppm Hydrogen Sulphide / 0.75 % Methane / 18 % Oxygen // Nitrogen | 3 | X | 335325 | 318676 | 355541 | 15 | Dif. | Dif. | 24 |
| 4-gas mixes | | | | | | | | | |
| 60 ppm Carbon Monoxide / 1.5 % Carbon Dioxide / 2.5 % Methane / 18 % Oxygen // Nitrogen | 2 | 335434 | 335435 | 335436 | 315544 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Carbon Monoxide / 2 % Carbon Dioxide / 2.2 % Methane / 15 % Oxygen // Nitrogen | 2 | 335437 | 312178 | 312180 | 312179 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Carbon Monoxide / 2 % Carbon Dioxide / 0.75 % Propane / 15 % Oxygen // Nitrogen | 2 | 335438 | 335439 | 319788 | 317616 | 7 | ±2 % | ±5 % | 60 |
| 100 ppm Hydrogen / 100 ppm Methane / 5 % Carbon Dioxide / 16 % Oxygen // Nitrogen | 2 | 312235 | 335440 | 333337 | 329270 | 7 | ±2 % | ±5 % | 60 |
| 4-gas (Quad) mixes | | | | | | | | | |
| 10 ppm H ₂ S / 50 ppm CO / 2.2 % CH ₄ / 18 % O ₂ // N ₂ | 3 | X | 332283 | 312706 | 355543 | 15 | Dif. | Dif. | 24 |
| 10 ppm H ₂ S / 50 ppm CO / 2.5 % CH ₄ / 18 % O ₂ // N ₂ | 3 | X | 315593 | 312650 | 355544 | 15 | Dif. | Dif. | 24 |
| 10 ppm H ₂ S / 50 ppm CO / 2.5 % CH ₄ / 20.9 % O ₂ // N ₂ | 3 | X | 332286 | 312200 | 355545 | 15 | Dif. | Dif. | 24 |
| 15 ppm H ₂ S / 50 ppm CO / 2.5 % CH ₄ / 18 % O ₂ // N ₂ | 3 | X | 334923 | 313129 | 355546 | 15 | Dif. | Dif. | 24 |

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