



Specialist in Calibration Mixtures  
and High Purity Gases



## Bristol Specialty Gases

A member of the Concorde-Corodex Group, Bristol Specialty Gases was established in 2002 and is now an established part of one of the major Industrial Gases Groups in the Middle East. At BSG we have a complete high quality and cost-effective product offering for the instrument and analyser market in the Middle East.

### Expertise and Technical Capability

The BSG team has several decades of experience in Specialty Gases production, operations, and marketing. Our state of the art production facility in Dubai was set up with the backing of one of the most reputable International calibration gases suppliers. We aim to build up long term relationships with our customers based on our quality products and services and flexibility to meet customers' needs.

### Production, Quality, Safety and Environment

BSG is committed to providing best quality products and services to our customers with utmost care and protection to the environment and to the health and occupational safety of our employees. This pledge is transpired by accreditation awards from Bureau Veritas for ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.

### Cylinder Preparation

We have the in house expertise to select compatible cylinder, valve type / material, and a range of specialised internal cylinder treatments to guarantee mixture stability.

### Mixture Production

All mixtures are prepared gravimetrically with high precision balances with the highest accuracy available and are calibrated with weights traceable to NIST, NPL or equivalent. We are dedicated to high quality calibration gases manufacture and can provide the shortest delivery times based on customers' requirements.

### Laboratory and Analysis

BSG has a dedicated laboratory for the analysis and stability verification of all finished materials and all products manufactured follow a complete independently accredited QC process.

### Certification

All mixtures are issued with a Certificate of Composition which includes the following:

- Mixture Composition requested and actual certified composition
- Traceability Information
- Gas mixture pressure, volume, accuracy, valve type
- Customer Order Reference
- Shelf Life / Expiry Date

### Accreditation and Standards

BSG follows various local, EU, US and ISO Standards as required and is a member of the Middle East Gases Association (MEGA).

### Traceability

All the weights used to calibrate our gravimetric balances are traceable to US NVLAP and manufactured following ISO6142. Where analysis is required our instruments are calibrated with standards traceable to NPL or NIST.



## Products and Services

### Non-Refillable Cylinders (NRC's)

We can supply full range of high accuracy calibration gas mixtures in disposable NRC's available from 34 to 112 Litre gas volume. We stock an extensive range of standard mixtures for rapid delivery and also have the capability to do custom made calibration mixtures on short lead times as per customer requirements. All containers are manufactured to international standards and can be transported globally via Road, Sea or Air.

The benefits of NRC's include:

- Lightweight and Portable
- No Tools required to connect
- No Cylinder Rental
- Complete range of pressure and flow control equipment



Cylinder Type	Height (MM)	Diameter (MM)	Weight (MM)	Pressure (MM)	GAS Capacity (MM)	Material
34DA	285	76	0.44	500	34 Liters	Aluminum
34DS	279	74	0.68	500	34 Liters	Steel
60DA	365	90	1.19	500	60 Liters	Aluminum
103DS	356	83	1.4	1000	103 Liters	Steel
112DA	365	90	1.19	1000	112 Liters	Aluminum



## Products and Services

### High Pressure Cylinders

#### High Purity Gases

We can supply full range of High Purity Gases up to 99.9999% purity in high pressure refillable cylinders from 0.45 up to 110 Litre water capacities. We supply common gases used for instrumentation listed below as well as Chemical Gases, Hydrocarbons, Rare Gases and other gases for multiple industry applications.

- Acetylene
- Zero Air
- Argon
- Helium
- Hydrogen
- Nitrous Oxide
- Zero Nitrogen
- Oxygen

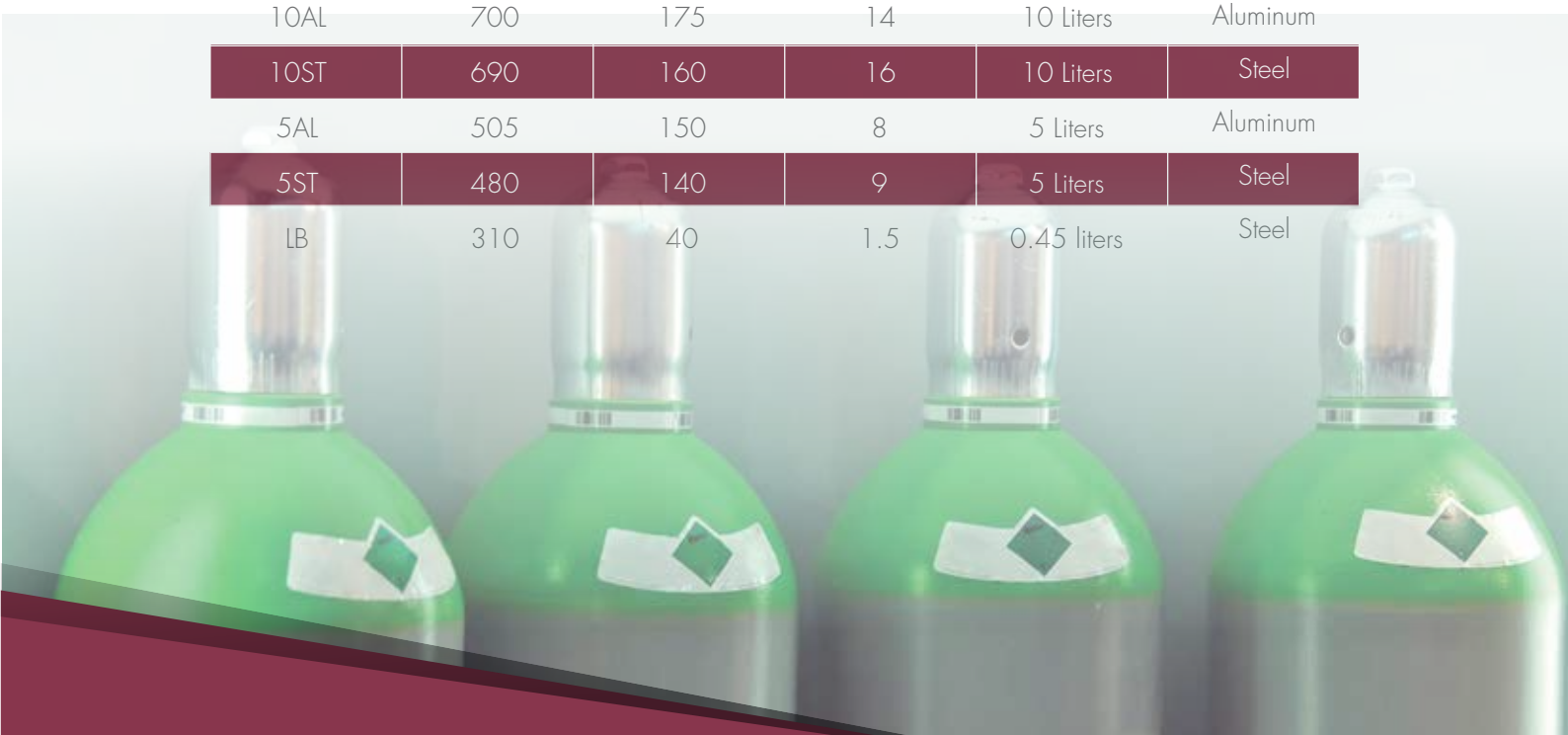
#### Calibration Gases

We can supply full range of calibration gas mixtures in high pressure refillable cylinders from 0.45 Litre up to 110 Litre water capacities. We have the capability to do custom made calibration mixtures on short lead times as per customer requirements.

#### Cylinders Valve Types

- British (BS)
- European (DIN & ISO)
- USA (CGA)

Cylinder Type	Height (MM)	Diameter (MM)	Weight (KG)	Water Capacity (LT)	Material
110LT	1020	380	36	110 Liters	Steel Low Pressure
50AL	1550	250	57	50 Liters	Aluminum
50ST	1520	230	70	50 Liters	Steel
20AL	990	200	25	20 Liters	Aluminum
20ST	835	200	28	20 Liters	Steel
10AL	700	175	14	10 Liters	Aluminum
10ST	690	160	16	10 Liters	Steel
5AL	505	150	8	5 Liters	Aluminum
5ST	480	140	9	5 Liters	Steel
LB	310	40	1.5	0.45 liters	Steel



## Equipment and Services

We can supply full range of control equipment and accessories for high purity gases and calibration gases as well as technical consultancy services for gas supply installations.

### Regulators for High Pressure Cylinders

BSG offers a wide range of regulators and systems for high pressure cylinders. Our in house experts ensure that the proper material compatibility and technical specifications are taken into consideration when recommending equipment selection for your application.

- UHP Ultra High Purity single and multi-stage
- Cylinder Regulators High Purity single and multi-stage
- Line Regulators
- Gas Control Panels
- Laboratory Gas Supply



### Regulators and Accessories for Non-Refillable Cylinders (NRC's)

BSG offers a wide range of regulators and accessories for NRC's.

- Fixed Flow Regulators
- On-Demand Flow Regulators
- Variflow Regulators
- Push Button Regulators
- Range of carry cases to keep all gases, tubing and control equipment safely together
- Extensive range of stock products to ensure fast delivery





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