

Scientific & Technical Gases

DataSheet for Disposable Cylinders

**Units 1&2, Speedwell Road
Parkhouse Ind. Estate East
Newcastle-Under-Lyme
ST5 7RG
UK**

Tel: 44-1782 566897

Fax: 44-1782 564906

Email: info@stgas.eu

Data sheet - Disposable Cylinders¹



The benefits are;

- Up to 112 litres of gas
- No tools required to connect up
- Portable and light
- No cylinder rental
- Can be supplied worldwide by air
- Range of control equipment

Scientific and Technical Gases Ltd are a prime manufacturer of high pressure gas mixtures made gravimetrically to ISO 6142, and all mixtures have international traceability via National Physical Laboratory standards used in the manufacturing process.

We can supply custom made high precision gravimetric calibration gas mixtures and high purity gases in a range of modern compact light weight cylinders .

These containers are ADR suitable, manufactured to international standards, and can be transported by road, sea and air worldwide.

We can produce simple binary mixtures through to complex multi component gas mixtures, in a range of disposable and refillable cylinder options.

All gases can be supplied with a certificate of composition, if required.

Cylinders are routinely labelled with the gas volume, pressure, your order number, our reference number, date of manufacture and shelf life.

Our container range gives maximum contents with convenient portability and ease of use for the user.

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As a prime manufacturer of gases and gas mixtures we hold bulk stocks of mixtures and pure raw materials aimed at being able to manufacture quickly and efficiently, and in many cases we hold the more common finished products such as LEL mixes and various toxic components in stock.

Being a specialised producer we can also provide specialist hardware such as septum port hardware for syringe users, bespoke purge assemblies and specifically requested configurations.

We supply all corrosive toxic components e.g. NO, NO₂, NH₃, H₂S, SO₂, HCL, HCN, Cl₂ as commonly monitored components and also the full range of LEL mixtures and common gases.

Being a prime manufacturer of specialist gases and gas mixtures gives us the ability to make blends that are relatively uncommon quickly and be able to put them into which ever container you prefer.



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Disposable cylinders in Kit Form

For convenience in use a case kit form is available to keep all gases, tubing and control equipment together in a neat and portable format.



For instrument manufacturers, rental companies, distributors and selected customers, we are happy to "own brand" our product. We would supply with your label, logo, livery and importantly your contact details.



Container Data

Litres of gas	Weight (g)	Height(mm)	Diameter (mm)	PSI	Bar
20 Litre	320	250	78	300	20
34 Litre	440	285	76	500	34
60 Litre	1190	365	90	500	34
112 Litre	1190	365	90	1000	70

All above weights are quoted as a nominal value, full of nitrogen.

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Control Equipment



20 lt cylinder options;

- On/Off valve, with mini flow meter
- On/Off valve, with septum for syringe use
- On/Off valve, with push on tube outlet
- Balanced flow option



34lt, 60lt and 112lt cylinder options;

- Fixed flow regulator, 0.5, 1.0, 2.5, 3.0 litres per minute
- " Dial a flow " option, which you can set from 0.3lt to 3.0lt per minute
- Cylinder style regulator, adjustable pressure control knob, with inlet and outlet pressure gauges
- Balanced flow regulator option