Disposable Cylinder Range

The easy to carry size

THE SPECIALIST IN **GASES**

Requirements

We care about your needs

Environmental Monitoring

Refrigerant Gas Detection

Toxic Gas Detection

Reduced Oxygen Atmospheres

Process Control

Marine

Medical

Research and Development

Flammable Gas Detection

Universities

BUSE Gases disposable cylinders enable end users to utilise gas mixtures for testing or calibration in easy to carry sizes. Available in a range of light weight cylinders and made from aluminium these cylinders are easy and safe to carry.
The cylinders are treated to contain, reactive and non-reactive mixtures, flammable and inert gases and gas mixtures alike. A well-designed quality program assures the concentration values and warrants the stability.

In addition, we can supply a large range of regulators and carry cases to compliment the cylinder's best suited to bring the gases to its point-of-use.
Testing or Calibration is essential to ensure detection instruments are working properly to gauge for levels of dangerous gases to provide for a safe working environment.
For all your requirements – whatever your business needs.

Yes, we CAN

Our Disposable Cylinder Range

The Aerosol

The aerosol type canister is ideal for portability and ease of use where only small amounts of gas are needed.

The 58 Litre

For when you do not need 110 Litres of gas or the mixture you order has a shorter shelf life the 58 Litre avoids waste and is more economical. Also features the universal C10 fitting.

The 34 Litre

Featuring the C10 vale this aluminium cylinder is still small and compact enough for your needs but is suitable for all mixtures such as H2S, Cl2 HCl, HCN.

The 110 Litre

For when you need the most out of a cylinder – having twice the amount of gas than a 58 Litre – this can be filled to 68 bar. Best suited to those of you who need portability and more gas content.

Delivery

Stocks of the most commonly used mixtures are carried so you have peace of mind that you will receive your order in time. In many cases the gases can be ex stock items therefore reducing your lead times to your customers. Cylinders can be shipped, couriered, or flown to suit customer's needs.

Cylinders comply fully with all appropriate European legislation. Our 34, 58 and 110 litres cylinders comply with EN 12205, ISO11118 and are marked accordingly with the mark to demonstrate full compliance with TPED (European Directive).

Our smallest non-refillable canister is classed as an aerosol. 12 litres aerosol canisters are compliant with 75/324/EEC as referenced in ADR 2011, section 6.2.6.4. UN1950.

Cylinder Gas Capacity (litres)	12	34
Size Dia	230x78mm	270x73mm
Weight	0.3kg	0.5kg
Material	Aluminium Alloy	Aluminium Alloy
Water Capacity	1 litre	0.96 litres
Filling Pressure	175 psi (10 Bar)	500 psi (34 Bar)
Useable Gas	12 litres	34 litres
Outlet	7/16" 28 NS/2 ma	5/8" - 18 UNF (C10)
Filling Tolerance	5-99ppm +/- 10% >100ppm +/- 5%	50-500ppm +/-5% >500ppm +/-2%
Transport	UN 1950 Class 2	UN 1956 Class 2

Cylinder Gas Capacity (litres)	58	110
Size Dia	360x88mm	360x88mm
Weight	0.8kg	1.25kg
Material	Aluminium Alloy	Aluminium Alloy
Water Capacity	1.6 litres	1.6 litres
Filling Pressure	500 psi (34 Bar)	1000 psi (68 Bar)
Useable Gas	58 litres	110 litres
Outlet	5/8" - 18 UNF (C10)	5/8" - 18 UNF (C10)
Filling Tolerance	5-49ppm +/-10% 50-500ppm +/-5% >500ppm +/-2%	5-49ppm +/-10% 50-500ppm +/-5% >500ppm +/-2%
Transport	UN 1956 Class 2	UN 1956 Class 2

Quality

All raw materials used for mixtures have traceability as part of our quality control procedure. Our laboratory carries out final analysis and checks for the finished mixtures.

Stability and shelf-life importance

Stability and shelf lives are key for ensuring good working conditions of the instruments used for calibration. It is essential that you calibrate your detectors with gases that have not exceeded their shelf life – this is where BUSE Gases come in to their own by using Ultra High Purity gases for the mixtures we produce, state of the art filling equipment and further reassurance with analysis.

BUSE customers benefit from proven stability once the mixtures have been released from stability-testing program. Putting the experience of 40 years disposables filling to good use the shelf life of our mixtures are optimized. By combining carefully performed pre-filling cylinder treatments, using proven stable donor mixtures and finally time-interval stability measurements, the mixture component values and its shelf life is given its merits.

Studying the shelf-life on our mixtures is an ongoing process to bring continuity in reliability at each stage that is being produced.

Regulators

These compliment the range of cylinders and gases – perfect for your needs.

S-SPRAY

Trigger controlled, reusable, Spray Nozzle for use with aerosol. The S-Spray is a quick cost-effective option for functional testing of sensors.

Flow Rate	Trigger activator allows better control of flow than a standard Aerosol button
Material	plastic mechanism with nickel-plated brass nozzle
Gases Used for	Non-reactive
Part Code	S-SPRAY

S-Flow

Control Valve and Flow Indicator for use with 12 litres can.

Flow Rate Nominally	0.5 lpm on bottom line 1.0 lpm on top line
Material	Nickle plated Brass and Perspex
Tubing	8 inches tubing supplied as standard
Gases Used for	Non-Reactive Gases
Part Code	S-FLOW-FM

S-FLOW SEPTUM
Control Valve for with septum for syringe use. For use with 12 litres can.

Flow Rate Nominally	0.5 lpm on bottom line 1.0 lpm on top line
Material	Nickle plated Brass
Tubing	8 inches tubing Supplied as standard
Gases Used for	Non-Reactive
Part Code	S-FLOW-SEPT

S-FLOW DEMAND
Control Valve with flowmeter and pressure gauge. For use with 12 litres can.

Flow Rate Nominally	N/A
Material	Nickle Plated Brass
Tubing	8 inches tubing supplied as standard
Gases Used for	Non-Reactive
Part Code	S-FLOW-DF

S-FLOW with C10 CONNECTOR
For use with 34 and 58 litres cans.

Flow Rate Nominally	N/A
Material	Nickle Plated Brass
Tubing	8 inches tubing Supplied as standard
Gases Used for	Non-Reactive
Part Code	S-FLOW-C10

S-REG
Flow Control Regulator c/w pressure gauge for use with 34, 58 and 110 litres cylinders.

Flow Rate Nominally	0.3, 0.5, 1.0, 1.5, 2.5, 3.0 lpm
Pressure Gauge	0-1000 psi
Inlet	5/8" - 18 UNF (C10) Male
Outlet	6mm Barbed fitting
Material	Nickel Coated Brass (Stainless steel regulators available for very reactive gases)
Part Code	S-REG-ST-0.1, 0.5

S-REG PUSH BUTTON
Brass Reg with push button to activate regulator dispensing gas at a pre-set flow rate. For use with 34, 58 and 110 litres cylinders.

Flow Rate Nominally	0.3, 0.5, 1.0, 1.5, 2.5, 3.0 lpm
Pressure Gauge	1000 PSIG Max
Gases Used for	Non-reactive, H2S and SO2
Material	Nickel coated brass
Part Code	S-REG-PB

S-REG TIGGER
Designed to provide aerosol capability. For use with 34, 58 & 110 litre cylinders.

Flow Rate Nominally	Dispenses gas at 0.5 l per minute flow rate. Trigger can also be locked in the "on" position for continuous gas flow
Material	Nickle Plated Brass
Tubing	Not supplied as standard - needs to be ordered separately in 1m lengths
Gases Used for	Non-Reactive H2S, SO2
Part Code	S-Reg-TRIG

S-REG STAINLESS STEEL
Designed for use with reactive gases. For use with 34, 58 & 110 litre cylinders.

Flow Rate Nominally	0.5, 1.0, 1.5, 2.5, 3.0 lpm
Material	Stainless Steel
Tubing	Not supplied as standard - needs to be ordered separately in 1m lengths
Gases Used for	Very Reactive
Part Code	S-REG-SS

DF-REG
Demand flow regulator for use with instruments containing internal sample pumps. For use with 34, 58 & 110 litre cylinders.

Flow Rate Nominally	0-1.5 lpm
Material	Nickle Plated Brass (Bonnet – Aluminium)
Tubing	Not supplied as standard – needs to be ordered separately in 1m lengths
Pressure Gauge	0–1000 psi (68 Bar)
Gases Used for	Non-Reactive H2S, SO2
Part Code	DFR-REG-C10

MULTI FLOW 0-3LPM
Flow Control Regulator c/w pressure gauge. For use with 34, 58 & 110 litre cylinders.

Flow Rate Nominally	0-3 lpm
Material	Nickle Plated Brass
Tubing	Not supplied as standard – needs to be ordered separately in 1 m lengths
Pressure Gauge	4000 (psig) MAX
Gases Used for	Non-Reactive H2S, SO2
Part Code	M-FLOW-0-3

MULTI FLOW 0-5LPM

Flow Control Regulator c/w pressure gauge. For use with 34, 58 & 110 litre cylinders.

Flow Rate Nominally	0-5 lpm
Material	Nickle Plated Brass
Tubing	Not supplied as standard – needs to be ordered separately in 1 m lengths
Pressure Gauge	4000 (psig) MAX
Gases Used for	Non-Reactive H2S, SO2
Part Code	M-FLOW-0-5

MULTI FLOW SS 0-3LPM

Flow Control Regulator c/w pressure gauge. For use with 34, 58 & 110 Litre cylinders.

Flow Rate Nominally	0-3 lpm
Material	Stainless Steel
Tubing	Not supplied as standard – needs to be ordered separately in 1 m lengths
Pressure Gauge	4000 (psig) MAX
Gases Used for	Very Reactive
Part Code	M-FLOWSS-0-3

Accessories
For all your additional needs

CARRY CASE
The perfekt way for safety, transport and storage, light weight and easy to carry. Side pockets for stowing regulators or other accessories. Flexibly usable for 34, 58 and 110 litres disposable cylinders.

2 Cylinder Part Code	CarryCase2
3 Cylinder Part Code	CaryCase3

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