

Non-refillable cylinders







Gas control equipment











Key features and benefits

- Low cost and easy to operate
- Portable and lightweight to complement lightweight cylinders for field use
- Robust and reliable
- Innovative design features
- Standard valve fittings

Gas control equipment comprises of a range of lightweight and easy to operate regulators for use with Air Products gas mixtures supplied in lightweight non-refillable cylinders. Incorporating innovative design features, there are models for both pumped and passively monitored instruments and those where the gas sample is injected.

	Type	Description	Product Reference Number	Cylinder Use (litres)			
				12	34	58	110
	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 brass control valve with integrated flow indicator. This unit allows the user to control the flow of gas between 0.5 and 1.5 lpm by adjusting a knurled knob on top of the valve. The barbed outlet accommodates a short length of polyurethane tubing (supplied).	198485 199384	✓			
	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. A short length of polyurethane tubing is supplied.	198252 198253	✓			
	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.	186414* 0.5 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 HCN, Cl ₂ , and HCl. The pressure gauge shows the canister contents. A short length of polyurethane tubing is supplied.	197943* 0.5 lpm		✓	✓	✓

	Type	Description	Product Reference Number	Cylinder Use (litres)			
				12	34	58	110
	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. A short length of tubing is supplied.	198329		✓	✓	✓
	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		✓	✓	✓
	Trigger Regulator	These units are preset to deliver gas at 1.0 lpm (alternatives available). 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.	197925* 3.0 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.	197933* 3.0 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	The 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.	198794* 1.0 lpm		✓	✓	✓

* To obtain the Product Reference Number for an alternative flow rate, contact our Special Gases and Mixtures Sales Support Office on 01905 758200 or email oneuse@airproducts.com.

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