

Introduction

Wescol Limited offer a comprehensive range of industrial gas control equipment, providing solutions for cutting, welding, heating and gas distribution.

One of only two manufacturers of such product remaining in the UK, Wescol Limited continues to manufacture equipment at our facility in Wolverhampton as we have since 1951.

Complying with all relevant international standards, our products, manufactured and tested under our BS EN ISO 9001:2004 quality control system, have undergone the most stringent type testing and independent certification to ensure that we can guarantee that your product works.

Available from countless outlets throughout the world, Wescol product is internationally recognised as being safe, reliable and above all, value for money.



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NOZZLES**
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Manufactured in the UK
Meets relevant BS EN ISO standards
Manufactured from quality materials
Date Stamped at manufacture
Full EN ISO 9001 quality assurance system
Independently type tested and certified.

TÜV Cert No. 01 100 044503

Regulators

Wescol regulators are world renowned for quality and reliability in the field. Available to suit almost every application, in an almost infinite variety of configurations, Wescol regulators are backed up by a 12 month factory warranty and our technical expertise, giving customers over half a century of service.



Wescol regulators are manufactured in the UK and are independently tested to the requirements of BS EN ISO 2503 (Pressure gauges are manufactured in Germany to EN 562). Each regulator is tested during manufacture to 300 bar inlet pressure where applicable.

Regulators

Single Stage

Inlet at the back, at 9 o'clock, 6 o'clock, 3 o'clock, short stem, long stem, British fittings, European fittings, American fittings, Australian fittings, Japanese fittings, one gauge, two gauges, no gauges, pop-up indicator, cylinder, in-line, tapping point, black bonnet, chrome bonnet, brass bonnet, our label, your label, industrial, scientific, medical; If you describe the application and location, we'll make it for you.

Designed as the general purpose work horse; for over 50 years, Wescol single stage regulators have been installed on North Sea rigs, in Arabian oil and gas installations, on Siberian railways, in African mines, in Asian shipyards, American construction sites, European hospitals and your local welding fabricator's workshop.

SINGLE STAGE REGULATOR - NO GAUGE



Gas	Description	Outlet	Part number	
			Bottom Entry	Side Entry
Oxygen	SS O 10 N	10 Bar	0101-006	0101-106
Acetylene	SS A 1.5 N	1.5 Bar	0101-028	0101-128
Propane	SS P 2.0 N	2 Bar	0101-042	0101-142

SINGLE STAGE REGULATOR - ONE GAUGE



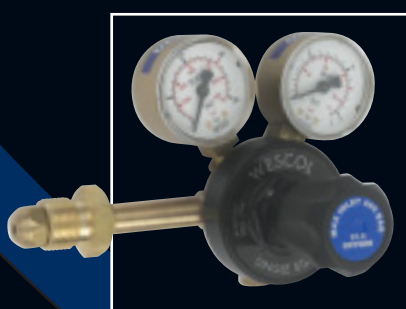
Gas	Description	Outlet	Part number	
			Bottom Entry	Side Entry
Oxygen	SS O 10 N	10 Bar	0101-004	0101-104
Acetylene	SS A 1.5 N	1.5 Bar	0101-026	0101-126
Argon/Argon mixtures	SS Arg 3.5 G FF	3.5 Bar	0101-054	0101-154
Argon/Argon mixtures	SS Arg 2.0 G FF PS	2 Bar	0101-050	0101-150
Carbon Dioxide	SS CO ₂ 3.5 G FF	3.5 Bar	0101-061	0101-161
Carbon Dioxide	SS CO ₂ 3.5 G FF PS	2 bar	0101-067	0101-167

SINGLE STAGE REGULATOR - TWO GAUGE



Gas	Description	Outlet	Part number	
			Bottom Entry	Side Entry
Oxygen	SS O 3.5 2G	3.5 Bar	0101-002	0101-102
Oxygen	SS A 10 2G	10 Bar	0101-003	0101-103
Acetylene	SS A 1.5 2G	1.5 Bar	0101-025	0101-125
Argon/Argon mixtures	SS Arg 3.5 2G Mtg	50 lpm	0101-053	0101-153
Carbon Dioxide	SS CO ₂ 3.5 2G Mtg	50 lpm	0101-060	0101-160
Nitrogen	SS N 10 2G	10 Bar	0101-071	0101-171

SINGLE STAGE REGULATOR - TWO GAUGE SIDE ENTRY



Gas	Description	Outlet	Part number	
			Bottom Entry	Side Entry
Oxygen	SS O 10 Cl	10 Bar	0101-005	0101-105
Acetylene	SS A 1.5 Cl	1.5 Bar	0101-027	0101-127

Two Stage

Just as reliable as the Single Stage regulator, the Two Stage regulator is designed to be used where constant pressure and flows are critical. Once the pressure is set, the outlet pressure and flow will remain constant until your gas source is interrupted, typically where your cylinder become empty. Saving you time, gas and ultimately money.

TWO STAGE REGULATOR



Gas	Description	Outlet	Part number	
			Bottom Entry	Side Entry
Oxygen	TS O 10 2G	10 Bar	0103-003	0103-005
Acetylene	TS A 1.5 2G	1.5 Bar	0103-020	0103-021
Air/Nitrogen	TS N 10 2G	10 Bar	0103-062	0103-063
Argon/Argon mixtures	TS Arg 10 2G	10 Bar	0103-042	0103-043
Helium	TS He 10 2G	10 Bar	0103-072	0103-073
Hydrogen	TS H 10 2G	10 Bar	0103-082	0103-083
Carbon Dioxide	TS CO ₂ 10 2G Mtg	10 Bar	0103-052	0103-053

TWO STAGE HIGH PURITY REGULATOR

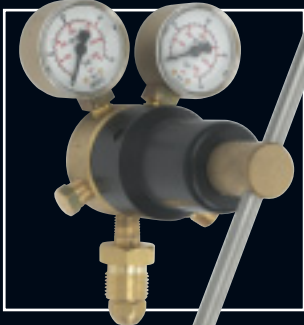


These regulators are essential in scientific and laboratory applications.

High Purity - Two Stage

A Two Stage regulator for High Purity applications is also available by request. Featuring a stainless steel diaphragm, inert valves and white power coated finish.

HIGH PRESSURE SINGLE STAGE REGULATORS



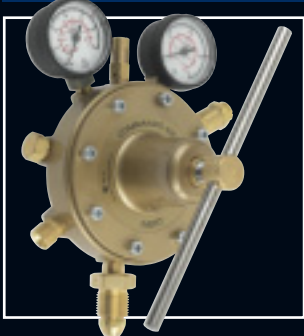
Description **Outlet**

WE 750 2G	52 Bar
WE 1500 2G	105 Bar
WE 2500 2G	170 Bar

WE Series

Designed for applications where constant high pressure is required, applications such as component pressure testing, pressurisation of pipeline systems, purging and high pressure laboratory applications, these regulators can be ordered in a self venting version and feature a double 'o' ring seal fitted to a solid brass piston and PCTFE valves to ensure reliability and accuracy.

COMMANDO 600 HIGH FLOW REGULATOR



Available for the following gas service up to 42 Bar: Oxygen, Nitrogen, Hydrogen, Carbon Dioxide and Helium.
Full 230 bar capability.

Commando Series High flow two stage

This two stage high flow regulator is in widespread use throughout industry. It has a proven performance in applications where stable high pressures and flows are required. Many of these applications are of a critical nature such as diving, cable pressurisation, motor sport, power generation, and a wide variety of laboratory applications in universities and the nuclear and chemical industries.

COMMANDO 14 HIGH FLOW REGULATOR



Used for heavy cutting, thermic lancing and light scarfing

Commando Series High Flow Single Stage

High flow-oxygen single stage regulator for cylinder or pipeline. Provides a maximum flow of 4000 lpm at pressures up to 14 bar.

COMMANDO 316L SS REGULATOR



Commando Series Stainless Steel Regulators

These regulators are designed and manufactured out of high quality material allowing them to operate effectively and safely in high purity and corrosive gas environments. A comprehensive range is available including single stage and two stage variants. Please contact our sales office for more specific information about this range.

Flashback Arrestors

Manufactured to comply with standard EN 730 and independently tested by H&SE (UK), BAM (Germany) and UL (USA), each unit provides protection for your operator and to your gas source and regulators should you be unfortunate enough to experience a flashback, blow-back or burn-back. We can guarantee each unit you buy will stop a flashback and will prevent gas returning upstream because each one is tested during the manufacturing process. Each unit is available in a wide range of international fittings e.g. 3/8" BSP, 9/16" UNF, 5/8" UNF and M16 to mention a few, and on certain models, bespoke fittings can be ordered increased security in inventory.

Incorporating such safety features as stainless steel sintered element, thermal shut-off valve*, gas non-return valve and fully re-settable pressure activated shut off mechanism* and dust filter*, fuel gas models are designed for use with acetylene, propane, hydrogen and natural gas, oxygen models can be used with oxygen and high pressure air.

Sold under the Wescol Flamestop label... we know it works!

*model dependant

TYPE R



Fully re-settable, combines high flow rates with a pressure sensitive cut out mechanism, thermal valve, sintered stainless steel flame arresting element, gas non-return valve and a dust filter to ensure the utmost in safety, longevity and performance. Designed for use with single and multiple cylinders, manifolds and where larger flow rates are desirable.

TYPE RS



Fully re-settable and more compact than the Type R. Combines the same safety features as it's big brother, but designed for single cylinder and tapping point applications. Designed to deal with standard applications; combines safety with value.

TYPE 79



Available by special order only and one of the longest serving safety devices on the market, the Type 79 can be reset way of a pin mechanism, which promotes good practice when using equipment. Should the mechanism be activated, the whole gas system must be dismantled and the problem corrected before the device can be reset.

TYPE 83



Comprising a sintered stainless steel flame arresting element, a thermal shut off valve, a gas non-return valve and a dust filter, this product is designed be used on single and multiple cylinder applications and tapping points and is intended to withstand a number of flashbacks and provide passive safety. Should the unit be subject to a severe flashback, the thermal element will be activated, completely isolating the regulator and gas source.

TYPE 83 EXPORT



Provides the same safety as the Type 83, but is slightly larger in size to offer a longer service life and higher flow rates that are necessary in certain parts of the world.

TYPE E



A scaled down version of the Type 83 and offering the same features, this flashback arrestor is designed for use with single cylinder applications and due to its compact nature is a perfect partner to any contractors cutting and welding kit.

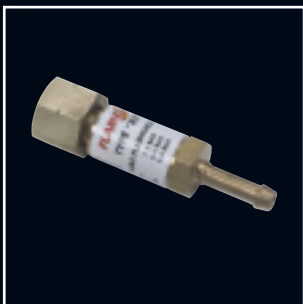
Flashback Arrestors

Incorporating such safety features as stainless steel sintered element, thermal shut-off valve*, gas non-return valve and fully re-settable pressure activated shut off mechanism* and dust filter*, fuel gas models are designed for use with acetylene, propane, hydrogen and natural gas, oxygen models can be used with oxygen and high pressure air.

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*model dependant

TYPE 82



Designed to be fitted to the downstream end of hoses instead of hose check valve and connects to the inlet of hand equipment and to machine torches, this unit offers a non-return valve and flame arrestor which offers protection to the ancillary equipment in the case of a flashback arrestor. Available with 5mm, 6mm, 8mm and 10mm hose tail and 3/8" BSP, 9/16" UNF, 5/8" UNF and M16 inlet and outlet fittings.

TYPE 84



Where hose check valves are not in use, this device, having the same safety features as a Type 82 will add an increased level of protection to the ancillary equipment should a flashback occur. Available in 3/8" BSP, 9/16" UNF, 5/8" UNF and M16 inlet and outlet fittings.

TYPE 86



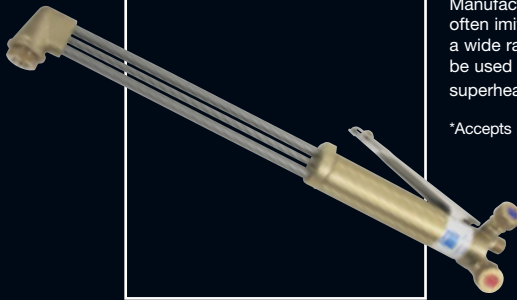
Where hoses are connected, this device, when placed inline and properly secured provides an additional level of safety for ancillary equipment. Comprising a non-return valve and flame arrestor, this device is available with 5mm, 6mm 8mm and 10mm tails.

APPLICATION SPECIFIC FLASHBACK ARRESTORS



A comprehensive range of application specific flashback arrestors and non-return valves are also available for high pressure, high flow and high purity applications. These products are of particular use in the food, chemical, electronics, glass and gas manufacturing industries. Please contact our sales office for more specific information about this range.

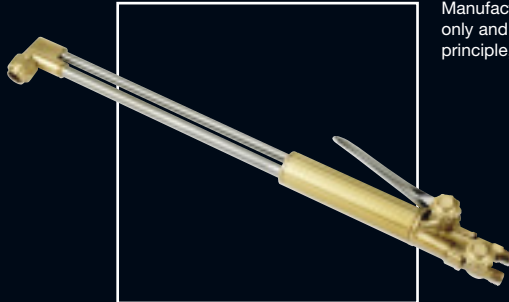
NM250 CUTTING TORCH



Manufactured in the UK to comply with BS EN ISO 5172. The NM 250 is a design classic, often imitated but never bettered, available in a number of lengths and head angles to suit a wide range of situations. Using the nozzle mix principle, this cutting torch is designed to be used with acetylene or propane and accepts ANM, PNM, Apache and propane superheating nozzles*.

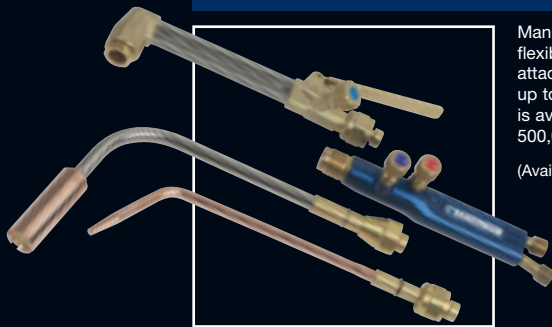
*Accepts propane super heating nozzles in conjunction with a Wescol NMSH superheating adaptor.

VC1600 CUTTING TORCH



Manufactured to comply with BS EN ISO 5172, this torch available with 9/16" UNF fittings only and is popular wherever American style products are prevalent. Using the injector principle, this torch provides a quality affordable alternative to the US competition.

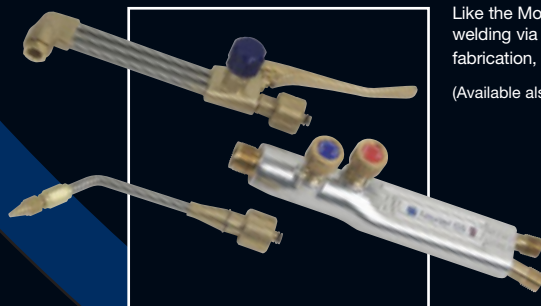
MODEL 90 COMBINATION TORCH



Manufactured in the UK to comply with BS EN ISO 5172. The Model 90 provides the flexibility that industry requires. The dedicated shank can be fitted with a cutting attachment and either ANM or PNM nozzles for heavy duty cutting applications (mild steel up to 200mm), or a mixer for gas welding and heating applications. A super heating mixer is available for use with super heating nozzles which will easily provide in excess of 500,000 btu/hr of energy where required.

(Available also as part of number of kits – please see the Wescol price list for more information)

MODEL 65 COMBINATION TORCH



Like the Model 90, a dedicated shank provides the basis for light industrial cutting and welding via the lightweight cutting attachment (using AFN nozzles) or mixer. Perfect for light fabrication, repair and maintenance shops, the heating and ventilation industry and garages.

(Available also as part of number of kits – please see the Wescol price list for more information)

WIZARD MODEL 'O' TORCH



Favoured by the jewelry and plumbing industries and invaluable wherever absolute precision is required. Manufactured in the UK to BS EN 5172.

ANM



Available for cutting and gouging. Each nozzle is formed from copper rod and precision machined before swaging and finishing. The manufacturing process provides a quality product which allows accurate cutting due to the gas flow characteristics.

PNM



Wescol PNM nozzles consist of two precision machined parts, the splined brass inner and the copper outer. The design ensures gas flow characteristics that ensure the pre-heat flame sits at the nozzle face to give a precise cut.

VVC & MISCELLANEOUS



Designed for high speed oxy-propane machine cutting applications where productivity is a major issue. This two piece nozzle comprises a serrated inner and a copper outer. The special design allows for much faster cutting than PNM nozzles.

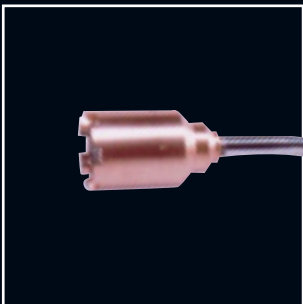
A full range of specialist nozzles are available from stock and includes (but is not limited to) the following : ANM XL, ASNM, AGNM, Rivet Cutting, Apachi[®], NME, AFNM, AFSNM, NFF, DH tips, Model 'O' tips and machine cutting nozzles for Acetylene, Propane, Apachi[®] and Tetrene and Hydrogen.

SWAGED WELDING NOZZLES



Wescol swaged welding nozzles are formed from a high purity copper and provide a gas tight seal, good gas flow and a consistent flame for maximum productivity. Available in both Type 2 and lightweight.

SUPERHEATING NOZZLES



Designed to be used with oxy-propane and a Wescol Model 90 shank and superheating mixer and provide between 65,000 and easily in excess of 500,000 btu/hr dependant of the nozzle size and torch configuration. The castellated outer is made of high quality copper and the inner is brass.

Accessories

Flowmeters

Wescol flowmeters are designed for MIG, TIG and laboratory applications where a precise control of gas flow is required. The body and valve are machined from high quality brass bar stock, whilst the tube and cover are moulded from optical grade polycarbonate to ensure absolute clarity and safety. This product is available in all major international fittings and is available for use with gases other than argon and carbon dioxide.

To provide the best working conditions, we offer a range of gas process sundries to be used with our oxy-fuel equipment ranging from cylinder trolleys, cylinder and regulator adaptors and connectors, lighters, cleaners, spanners, cutting guides, heating necks, gas heaters, nuts, nipples, twin outlets and gas economisers.

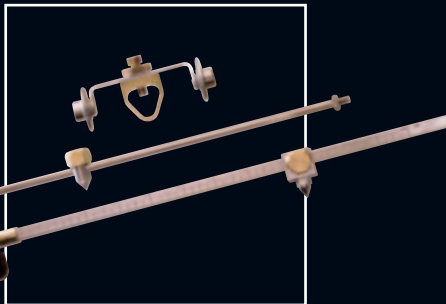
Please see the Wescol price list for the complete list of gas process sundries.

FLOWMETERS



Type	Flow Rate	Part number
Argon/CO2	0 - 14 lpm	0101-001
Argon/CO2	0 - 30 lpm	0101-002

CUTTING TORCH ATTACHMENTS



CYLINDER TROLLEYS



GAS HEATER



Available for Oxygen, Argon and Carbon Dioxide service up to 300 bar. Allows gas to be vaporised by way of a robust heating element to ensure adequate gas flows in applications where freezing can become an issue.

Features a safety bursting disc for added security.

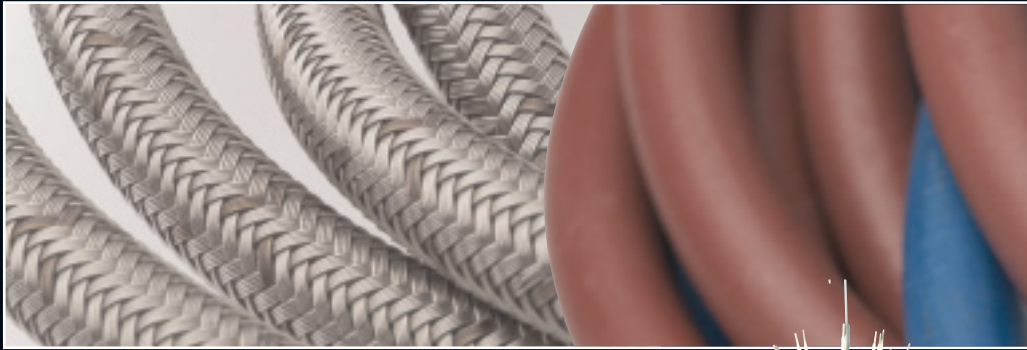
LIGHT RE-ACTIVE WELDING HELMET



Designed to provide maximum safety for the welder
Automatic continuous shade protection between DIN 9 and DIN 13
Adjustable Sensitivity
Reaction Time of 1/10,000th second
UV/IR Protection up to DIN 13
18 Months Warranty

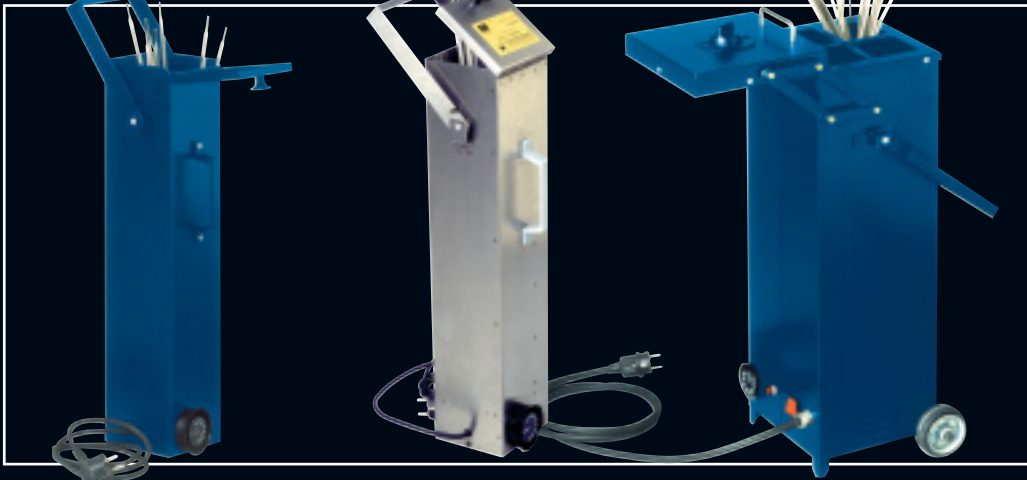
Conforms to CE and BS EN 379:1994; BS EN 175:1997

HOSES



A wide range of hose is available for both welding applications (to EN 559) and high pressure applications. Welding hose is available to cater to the differing requirements of most international markets and can be supplied either complete with fittings and in pre-packed standard lengths of 5, 10 and 20 metres or can be supplied as a bespoke product on request with separate fittings. Please contact our sales office for more specific information about high pressure and bespoke hoses.

ELECTRODE QUIVERS & OVENS



A complete range of ovens and quivers are available for keeping and baking electrodes in the field. Manufactured in both carbon steel and 316L stainless steel (for environments where extremes in temperature and humidity are an issue) and available for use with 42V, 110V and 240V power supplies. Quivers are available in 6 Kg, 10 Kg and 20Kg capacities and ovens are available as standard up to 200 Kg capacity, with larger capacity ovens available by special request.

SUNDRY ITEMS



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Please see the Wescol price list for the complete list of gas process sundries.