



Bristol Gases

Welding and Cutting Equipment



- Torch handle w/two stainless steel needle valves for fast, accurate flame adjustment
- Torch handle aluminum made for less weight and more comfort
- Cutting attachments have double o-ring seal for quick, hand tight connection and are leak free
- Cutting attachments stainless steel triple tubes for strength and durability
- Cutting attachments center aluminum lever can flip 180° for longer life
- Cutting attachments head & body in forged brass for longer life
- Cutting attachments head is 90° (70° or 180° available on request)
- Chrome copper welding tip for durability and beauty
- Hose connection is BSP 3/8", other sizes available on request
- OX/AC Regulators
- Gas Welding Goggles

Application:

Precise welding, brazing, soldering, hard facing, and priming, straightening, descaling and scarfing, gouging, flame cleaning, rivet washing and cutting

*Metal case available on request





Roller Guides & Welding Blow Pipes 40 LT-1800 LT

R-69-3B	With connection for 6290 tips. Maximum circles to 750mm Suitable only for 90° cuts. For torches/cutting attachment 62-3, 42-4, 142, 72-2, 73-2, 49-2 and 6290 cutting tips
1-69-6	For angled cuts up to 45°. For torches/cutting attachments 62-3, 42-4, 142, 72-2, 73-2, 49-2 and 6290 cutting tips
1-69-6A	For torches/cutting attachments 1601, 1602, NM-250 and 59-3 Suitable only for 45° and ANME, PNME cutting tips
1-69-6B	For torches/cutting attachments 1600B & MG-242. Suitable only for 45° and 41 & 44 cutting tips
1-69-6C	For torches/cutting attachments 1600, VH-212 & VH-2450 Suitable only for 45° and 1-101 GPN cutting tips
1-69-6D	For torches/cutting attachments AG-282. Suitable only for 45° and HA211 cutting tips



OXY-PROPANE, NATURAL GAS TIPS/ NOZZLES

British Style Cutting Tips for cutting torch & cutting attachment, two pieces

Tip Size	Cutting Thickness (mm)	Oxygen Pressure (bar)	Gas Pressure (bar)	Length (mm)
PNME-1 (1/32")	1-5	1.5	0.5	92
PNME-2 (3/64")	5-10	2.0	0.5	92
PNME-3 (1/16")	10-30	2.5	1.0	92
PNME-4 (5/64")	30-60	3.0	1.0	92
PNME-5 (3/32")	60-100	3.5	1.5	92
PNME-6 (1/8")	100-200	4.0	1.5	92



SPARE KIT UNI-X-21

Qty	Contains	Description
1	PC	Socket / non-return valve for shank OX
1	PC	Socket / non-return valve for shank AC
1	PC	Hose socket 1/4" with nuts for shank
1	PC	Valve assembly for shank / cutting attachments
1	PC	O-ring set for welding / cutting attachments
1	PC	Coupling nut welding / cutting attachments
1	PC	Coupling screw for cutting nozzles
1	PC	Clamp sleeve for roller guide
1	BOX	Lubricant



Cutting Attachment 900 (Oxy -Acetylene, Propane)

Heavy Duty- Cuts up to 200 mm

- Attached quickly and simply to AG-315 Torch Handle
- Double o-ring seal to form a perfect gas-tight seal
- Stainless steel triple tubes for strength & durability
- Head and body in forged brass for longer life
- Center aluminum lever can flip 180° for longer life
- Head is 90° (70° or 180° are available on request)



Features

- Forged brass body for maximum strength
- Attractive chromed bonnet
- Sintered metal inlet filter to trap impurities
- No soldered joints, for easy maintenance
- Easy to read dual scale gauges (Bar & P.S.I.) with virtually unbreakable screw-on lexan lens
- Large Ø70 mm diaphragm for sufficient oxygen flow to cut 400mm

Application

Heavy duty regulator, can be used for all industrial applications. Ideal for jobs where the need to read "cylinder" and "working" pressure is required.

Note:

Inlet connector side entry also available at regulator bottom and center entry.

*Safety valve also available, if needed.

Specification

Model	Gas	Flow M3/hr	Max.DELIVERY Pressure (bar)	Working Pressure (bar)	Cylinder Pressure (bar)
25-1.4M	Acetylene	15	14	0-25	0-40
25-3.5M	Propane	17	3.5	0-5	0-40
25-7M	Oxygen	55	7.0	0-16	0-315
25-13M	Oxygen	95	13	0-25	0-315
25-7M	Co2	17	7.0	0-16	0-315
25-7M	Air	60	7.0	0-1	0-315
25-7M	Nitrogen	60	7.0	0-16	0-315
25-13M	Nitrogen	100	13	0-25	0-315
25-7M	Argon	50	7.0	0-16	0-315
25-13M	Argon	85	13	0-25	0-315
25A-7M	Hydrogen	230	7.0	0-16	0-315
25A-13M	Hydrogen	380	13	0-25	0-315
25A-7M	Helium	160	7.0	0-16	0-315
25A-13M	Helium	270	13	0-25	0-315

*Always state model number and gas when ordering. Inlet connection will be supplied to suit country.



- OX WORKING GAUGE
- AC WORKING GAUGE
- OX CONTENTS GAUGE
- AC CONTENTS GAUGE

Tip Cleaner

Calibrated tip cleaners, 13 pieces



Lighter and Flint

- Spark lighter, round file
- Spark lighter, flat file
- Single flints (3 pieces)
- Spark lighter, triple file, Triple flints
- Attractive chromed bonnet





OXY-Acetylene Tips/ Nozzles
ANM/ANME

British Style Cutting Tips for cutting torch & cutting attachment, one piece

Tip Size	Cutting Thickness (mm)	Oxygen Pressure (bar)	ACETYLENE Pressure (bar)	Length (mm)
ANM-1 (1/32")	1-5	1.5	0.5	75
ANM-2 (3/64")	5-10	2.0	0.5	75
ANM-3 (1/16")	10-30	2.58	1.0	75
ANM-4 (5/64")	30-60	3.0	1.0	75
ANM-5 (3/32")	60-100	3.5	1.5	75
ANM-6 (1/8")	100-200	4.0	1.5	75
ANME-1 (1/32")	1-5	1.5	0.5	88
ANME-2 (3/64")	5-10	2.0	0.5	88
ANME-3 (1/16")	10-30	2.5	1.0	88
ANME-4 (5/64")	30-60	3.0	1.0	88
ANME-5 (3/32")	60-100	3.5	1.5	88
ANME-6 (1/8")	100-200	4.0	1.5	88



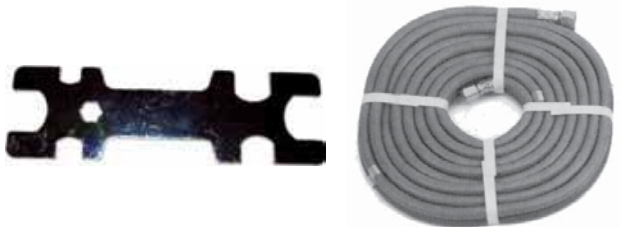
Twin Hoses

- Highly resistant to abrasion and fame, Ø 1/4" 6 x 6 mm
- Red (gas) - green (oxygen), 9/16" - 18N
- Red (gas) - black (oxygen), 5/8" - 18N
- Red (gas) - blue (oxygen), BSP 3/8" - 19N

Wrenches

General-purpose wrenches for tip nuts and hose connections.

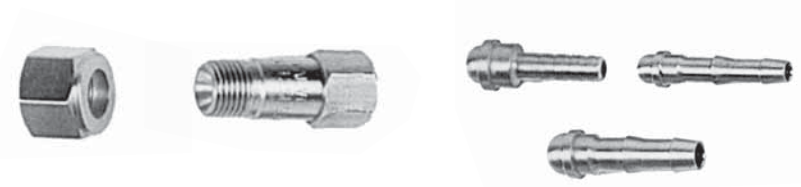
- Reverse flow check valves torch type
- Cutting capacity 300 mm
- Help prevent dangerous reverse flow mixing of gas in hose and regulators
- Different sizes available



Quick Coupling



- For Oxygen / Acetylene hoses 1/4" and 3/8"





Welding cutting/torch handling
Heavy Duty - Cuts up to 200 mm
Welds up to 9 mm
Two stainless steel needle valves for fast, accurate flame adjustment
Handle is aluminum made for less weight & comfort
Hose connection is BSP 3/8" inlet thread
Other sizes available on request



Gas Welding Accessories

- Heater 220V / 110V, Max . Heat 180° C
- Suitable for CO₂ flow meter and regulator, designed to stabilize pressure and flow



Gas Welding Goggles with built-in baffled side shield for ventilation

- Used for gas welding, cutting and brazing
- Lift front type lens holder, used for both welding and chipping
- Cup goggle with multiple slots around each lens that supply additional ventilation, meets American Standard ANSI Z87.1%
- Used for gas welding cutting and brazing operations
- Adjustable nose piece encased in soft vinyl tubing



Welding faces shield with headband or handle



Leather Apron



Welding Gloves

Welding Electrodes

Contents

- Iron Oxide, rutile - cellulosic and rutile type electrodes for non-alloyed and low-alloy steels

UNICORD 6013

UNIROUND 6013

UNICORD 180

UNICITO 6010

- Basic type electrodes for non-alloyed and low-alloy steels

UNICITO 7018

- Electrodes for creep-resistant steels

UNICROM 15

- Electrodes for stainless and heat resisting steels

UNICROM 312

UNICROM S

UNICROM 308 L

UNICROM 316 L

UNICROM 309 MO

UNICROM S17

- Electrodes for welding cast iron, aluminum and copper

UNIFONTE MONEL

UNIFONTE NIFE

UNIFONTE NICI

UNIALU AL

UNIBRONZE 8

- Electrodes for gouging and cutting

UNICOUPE

- Gas Welding- and Brazing Rods

- Unigas Fluxes

- Electrode Classifications



Electrode Classifications

ELECTRODE	AWS	DIN	ISO	BS
UNICORD 6013	A-5.1: E6013	1913: E4322R(C)3	2560: E432R11	639: E4322R21
UNIROUND 6013	A-5.1: E6013	1913: E4322R(C)3	2560: E432R12	639: E4322R11
UNICORD 180	A-5.1: E7024	1913: E5132RR11180	2560: E512RR18031	639: E5133RR18034
UNICITO 6010	A-5.1: E6010	1913: E4332C4	2560: E433C10	639: E4332C10
UNICITO 7018	A-5.1: E7018	1913: E5155B10	2560: E515B11020(H)	639: E5154B11026(H)
UNICROM 15	A-5.69: E8015-B2L	8575: ECRMO1B20	3580: E1CRMbB20	2493: 1Cr-Mo-B-H
UNICROM 312	A-5.4-69: E312-16	8556: E299R23	3581: E299R23	2926: 29.9.R
UNICROM S	A-5.4-69: E312-16	8556: E299R23	3581: E299R23	2926: 29.9.R
UNICROM 308 L	A-5.4-69: E308L-16	8556: E199LR23	3581: E199LR23	2926: 19.9.LR
UNICROM 316 L	A-5.4-69: E316L-16	8556: E19123LR23	3581: E19123LR23	2926: 19.12.3.LR
UNICROM 309 MO	A-5.4-69: E309MoL-16	8556: E23122R23	3581: E23122R23	2926: 23.12.R
UNICROM S17	-	8556: E202254LCUR23	-	-
UNIFONTE MONEL	A-5.15: ENiCuB	8573: ENiCu G3	-	-
UNIFONTE NIFE	A-5.15: ENiFeC1	8573: ENiFe G3	-	-
UNIFONTE NICI	A-5.15: ENiC1	8573: ENi G3	-	-
UNIALU AL	A-5.3: E4043	1732: EL-ALSi5	-	-
UNIBRONZE 8	A-5.6: ECuSn-C	1733: S-SnBZ6	-	-
UNICOUPE	-	-	-	-

Approvals	Lloyds' Register	ABS	Bureau Veritas
UNICORD 6013	DXVu0,BF,2	Grade 2	Grade 2
UNIROUND 6013	DXVu0,BF,1	-	Grade 1
UNICORD 180	D,BF,1	-	Grade 1
UNICITO 6010	DXVuDO,BF,1	Grade 1	Grade 1
UNICITO 7018	DXVu0,BF,3.3Y,H	3HH, 3Y	Grade 2,2YH

Gas Welding and Brazing rods

For Joining	Rod Type	Diameter X Length (mm x mm)	Recommended Flame Flux	Application Information
Mild steel	U-GAS MS (bare)	2,0 x 1000 , 3,0 x 1000	U-FLUX MS neutral	Recommended for oxy-acetylene welding of low-carbon steels such as sheet metal and pipework.
Aluminum Silicon	U-GAS AL (bare)	3,0 x 1000	U-FLUX AL excess acetylene	General purpose aluminum alloy containing 5% silicon for welding wrought and cast aluminum alloys except those with high percentages of magnesium or zinc.
Copper alloys Stainless Steel other steels	U-GAS AG 60 flux coated uncoated	2,0 x 500 2,0 x 500	U-FLUX AG neutral	A special cadmium-free high-silver brazing alloy recommended for maintenance and production applications for most metals where a thin flowing alloy is required.
	U-GAS AG 45 flux coated uncoated	2,0 x 500 3,0 x 500		General purpose low welding-point medium-silver alloy for joining dissimilar metal combinations such as steel to brass, bronze, copper alloys. Ideal for stainless steel.
Steel Copper alloys Iron	U-GAS BR flux coated bronze	2,0 x 500 3,0 x 500	U-FLUX BR slightly oxidizing or neutral	Low-fuming bronze suitable for joining bronze and copper and for joining and surfacing steel and grey cast iron.
For wear resistant build-up	U-GAS WB flux coated wearing bronze	3,0 x 500	U-FLUX WB neutral	A brazing rod with excellent wear and seawater corrosion resistance for build-up of shafts, gears etc.

Unigas Fluxes

Product Name	Application	Packed Per
U-FLUX MS	Flux for mild steel brazing	250 gr
U-FLUX AL	Flux for aluminum brazing	250 gr
U-FLUX AG	Flux for silver brazing	250 gr
U-FLUX-BR	Flux for bronze brazing	250 gr
U-FLUX WB	Flux for wearing bronze	250 gr



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