



NEW PRODUCT



A LINCOLN ELECTRIC COMPANY

Turn to the
HARRIS
HVAC EQUIPMENT
Pros

HVAC EQUIPMENT

INTRODUCING A NEW SERIES OF BRAZING PRODUCTS FEATURING THE MOST POPULAR INDUSTRY STANDARD CONNECTIONS. PROFESSIONALS KNOW WHEN THEY WANT TO GET THE JOB DONE FAST AND DONE RIGHT - THEY CHOOSE HARRIS.



GET CONNECTED

Go to twitter.com/HarrisProducts
 Go to www.youtube.com/harrisproductsgroup
 Go to www.facebook.com/HarrisProductsGroup

PAT
MODEL

HVAC PORT-A-TORCH®

MODEL SHOWN:
15HV601-200A DLX

DESCRIPTION

The Harris HVAC Port-A-Torch® contains all the quality equipment needed for brazing. Packaged in a rugged, molded plastic carrying case, the brazing handle and cutting attachment have industry standard connections which make them compatible with most brazing equipment. The outfit is designed to carry one MC acetylene cylinder and one 20 cu. ft. oxygen cylinder. As supplied, the outfit is capable of cutting up to a 1" plate and welding up to a 1/16" plate. The outfit can cut up to a 4" plate and weld up to a 1/2" plate with larger tips and acetylene cylinder.

DETAILS

Capacity: Cuts up to 1" thick, welds to 1/16"

Duty: Medium

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

Mixer Type: Equal pressure

Torch equipped with: FlashGuard® Check Valves

Warranty: 7 years - Regulator

1 year - All other components



PART #	MODEL #	TORCH HANDLE	MIXER	CUTTING TIP	CUTTING ATTACHMENT	WELDING/ BRAZING TIPS	REGULATORS		ACCESSORIES
							OXYGEN	FUEL	
4400174	15HV601-200A DLX	15-4HV	B-15-3HV	3690-0	36-2HV	5090-1 5090-3	601-80-540A	601-15-200A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose 20 CU. Ft. O₂ Cylinder 10 CU. Ft. O₂ Acet. Cylinder
4400175	15HV601-200A NO C/A DLX	15-4HV	B-15-3HV	-	-	5090-1 5090-3	601-80-540A	601-15-200A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose 20 CU. Ft. O₂ Cylinder 10 CU. Ft. O₂ Acet. Cylinder
4400176	15HV601-200A DLX	15-4HV	B-15-3HV	3690-0	36-2HV	5090-1 5090-3	601-80-540A	601-15-200A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose
4400177	15HV601-200A NO C/A DLX	15-4HV	B-15-3HV	-	-	5090-1 5090-3	601-80-540A	601-15-200A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose

KIT

MODEL

HVAC ACETYLENE OUTFITS

MODEL SHOWN:
15HV601-200A

DESCRIPTION

The Harris HVAC Outfits contains all the quality equipment needed for brazing. The brazing handle and cutting attachment have industry standard connections which make them compatible with most brazing equipment. As supplied, the outfit is capable of cutting up to a 1" plate and welding up to a 1/16" plate. The outfit can cut up to a 4" plate and weld up to a 1/2" plate with larger tips and acetylene cylinder.

DETAILS

Capacity: Cuts up to 1" thick, welds to 1/16"

Duty: Medium

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

Mixer Type: Equal pressure

Torch equipped with: FlashGuard® Check Valves

Warranty: 7 years - Regulator
1 year - All other components



PART #	MODEL #	TORCH HANDLE	MIXER	CUTTING TIP	CUTTING ATTACHMENT	WELDING/ BRAZING TIPS	REGULATORS		ACCESSORIES
							OXYGEN	FUEL	
4400178	15HV601-200A DLX	15-4HV	B-15-3HV	3690-0	36-2HV	5090-1 5090-3	601-80-540A	601-15-200A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose
4400179	15HV601-200A NO C/A DLX	15-4HV	B-15-3HV	-	-	5090-1 5090-3	601-80-540A	601-15-200A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose
4400180	15HV601-520A DLX	15-4HV	B-15-3HV	3690-0	36-2HV	5090-1 5090-3	601-80-540A	601-15-520A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose
4400181	15HV601-520A NO C/A DLX	15-4HV	B-15-3HV	-	-	5090-1 5090-3	601-80-540A	601-15-520A	<ul style="list-style-type: none"> Goggles Striker 20' x 1/4" Hose

601

MODEL

HVAC PURGING REGULATOR

MODEL SHOWN:
601-400-580

DESCRIPTION

The model 601 is designed for applications where weight and size are critical factors. Used for HVAC purging, pressure testing and blanketing with nitrogen or other inert gases. Gauges feature rubber gauge guards for added protection in abusive conditions. Plastic knob for easy grip and precise adjustment. Maximum delivery pressure 400 or 800 PSIG.

DETAILS

Capacity: Light/Medium Duty

C: 0.17

Gauges: 50mm ABS plastic-psi/bar

Pressure Regulation:

0.4 PSIG/100 PSIG

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

Body: Brass

Outlet: 1/4" 45° Flare SAE

Certifications: CGA E-4

Where Used: HVAC purging, pressure testing and blanketing

Weight: 1.39 lbs./ 0.63 kg.

Related Items:

Gauge Guard, CPR63332
P/N: 9003727



PART #	MODEL #	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3000648	601-400-580	Ar, He, N2	3000	0-400	600	4500	CGA 580	1/4" 45° flare SAE
3000649	601-800-580	Ar, He, N2	3000	0-800	1450	4500	CGA 580	1/4" 45° flare SAE



THE HARRIS PRODUCTS GROUP
www.harrisproductsgroup.com

Orders: 1.800.733.4533

601

MODEL



ECONOMICAL GENERAL PURPOSE

MODEL SHOWN:
601-60Ar-580

DESCRIPTION

This single-stage flowgauge regulator is designed to be compact and economical with features only available in more expensive flow control devices. The 601 flowgauge regulator is used where size and/or cost are major factors.

DETAILS

Capacity: Light/Medium Duty

Gauges: 50mm ABS plastic

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

Body: Brass

Featured In: 601-Ar/CD shielding gas kits

Certifications: UL® listed/CGA E-4

Where Used: Gas shielded welding and other industrial gas applications

Related Items: 3/16" x 10' Inert Hose P/N: 4300138

Weight: 1.39 lbs./ 0.63 kg.



PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3000407	601-15-200A	Acet.	500	0-15	30	400	CGA 200 MC	A 3/8" - 24 (LH)
3000295	601-15-200B	Acet.	500	0-15	30	400	CGA 200 MC	B 3/8" - 24 (LH)
3000409	601-50-510PB	Propane	500	0-50	60	400	CGA 510P LPG	A 9/16" - 18 (LH)
3000408	601-15-520A	Acet.	500	0-15	30	400	CGA 520A	A 3/8" - 24 (LH)
3000411	601-15-520B	Acet.	500	0-15	30	400	CGA 520B	B 3/8" - 24 (LH)
3000412	601-80-540A	Oxygen	3000	0-80	100	400	CGA 540A	A 3/8" - 24 (RH)
3000296	601-80-540B	Oxygen	3000	0-80	100	400	CGA 540B	B 9/16" - 18 (RH)
3002318	601-50-600A	LPG	500	0-50	60	400	CGA 600A	A 3/8" - 24 (LH)

36-2HV

MODEL



CUTTING ATTACHMENT – FOR USE WITH ALL FUEL GASES

MODEL SHOWN:
36-2HV

DESCRIPTION

The Model 36-2 is a cutting attachment with brazed triangular stainless steel tubes, making it light in weight while still providing exceptional strength and rigidity. The cutting attachment has an industry standard connections which make them compatible with most brazing equipment. The captive union nut protects the seats and "O" rings from damage. It features a fold forward cutting lever allowing easier connection, even with gloves on. The ease-on cutting valve provides smoother controlled starts. The forged solid brass head provides years of safe, dependable service, even under the most abusive conditions.

DETAILS

Capacity: Cuts to 3"/76.2mm acetylene; 1"/25.4mm alternate fuels

Duty: Light

Length: 7 1/2"/190.5mm

Weight: 0.75 lbs./0.34 kg.

Mixer Type: Equal pressure

Where Used: HVAC, maintenance, metal art, etc.



PART NO.	MODEL NO.	HEAD ANGLE	COMPATIBLE HANDLES	TIP STYLES	
				ACETYLENE / H ₂	ALTERNATE* FUEL
1300055	36-2HV	90°	15-4HV	3690AC	3690-P

*Propylene or propane-based fuels and natural gas.

15-4HV

MODEL

1YR
WARRANTY

LIGHT WEIGHT AIRCRAFT-STYLE HANDLE

MODEL SHOWN:
15-4HV

DESCRIPTION

The Model 15 is a lightweight brazing handle with front valves for more convenient adjustment while welding or brazing. The Model 15 is compatible with all fuel gases. The brazing handle has industry standard connections which make them compatible with most brazing equipment. The Model 15 can be used for welding, brazing and light heating.

DETAILS

Capacity: Welds to 5/16"/7.9mm

Length: 5 3/4"/146.0mm







Weight: 0.5 lb./0.23 kg.

Hose connections: 3/8" - 24 "A"

Optional Equipment:

3/8" - 24 check valves P/N: 4300835



PART NO.	MODEL NO.	MIXERS	TIP TUBE	WELDING/BRAZING TIP STYLE		HEATING TIP STYLE	
		COMPATIBLE MIXER(S)	COMPATIBLE TIP TUBE(S)	ACET/H ₂ (SIZE)	ALT. FUEL (SIZE)	ACET/H ₂	ALT. FUEL
							
		B-15-3HV	-	5090-(1-5)	-	-	-
1401414	15-4HV	B-15-3HV	TH-50-2	8490 (2,4,6,8)	8490-N (4-8)	8490-6-65	8490-6-65
		B-15-3HV	TH-50-2XL	8490 (2,4,6,8)	8490-N (4-8)	8490-6-65	8490-6-65
		B-15-3HV	D-50-C	1390 (0-10)	1390-N (2-10)	1390 (HA)	1390 (H&B)
		B-15-3HV	D-50-CXL	1390 (0-10)	1390-N (2-10)	1390 (HA)	1390 (H&B)

Example of Brazing Combination: 15-4HV + B-15-3HV + 5090-(1-5)

* Requires a TH-50-2 (P/N: 1601590) or a TH-50-2XL tip tube.

AC 3690

MODEL

1YR
WARRANTY

HEAVY PREHEAT TWO-PIECE HAND CUTTING TIPS

MODEL SHOWN:
3690-2AC

DESCRIPTION

Acetylene cutting tips specifically used with the Harris Model 36 cutting attachment.

DETAILS

Construction: Two-piece

Preheat Type: Heavy

Where Used: HVAC, maintenance, metal art, etc.

Compatible Equipment:

E-9 Tip cleaner P/N: 9000160



PART NO.	MODEL NO.	DEPTH OF CUT	O ₂ PSIG	O ₂ FLOW SCFH	FUEL PSIG	FUEL SCFH	DRILL CUT SIZE
1500399	3690-00AC	1/16" - 1/4"	15-20	55-70	5	10-15	NO. 64
1500405	3690-0AC	1/4" - 1/2"	20-25	70-85	5	10-15	NO. 60
1500406	3690-1AC	1/2" - 1"	25-45	95-105	5	15-25	NO. 56
1500407	3690-2AC	1" - 2"	40-60	180-215	5	20-30	NO. 52



THE HARRIS PRODUCTS GROUP
www.harrisproductsgroup.com

Orders: 1.800.733.4533

5090

MODEL

1YR
WARRANTY

ACETYLENE WELDING AND BRAZING TIPS

MODEL SHOWN:
5090-1

DESCRIPTION

Model 5090 tips are manufactured using environmentally-friendly tellurium copper that has excellent machining properties resulting in a higher quality tip. They are swaged for more precise and consistent flames. They use a universal mixer for sizes 0-10, eliminating the expense of using a different mixer for every tip size. All 5090 tips have a metal-to-metal mixer seat virtually eliminating the possibility of leaks and the need for thread sealants.

DETAILS

Where Used: Maintenance, metal art production, brazing

Compatible Equipment: C-9 Tip Cleaner P/N: 900156



PART NO.	TIP SIZE NO.	METAL THICKNESS INCHES	EQUAL PRESSURE		ACETYLENE SCFH *	RECOMMENDED HOSE ID **	TIP THREAD
			OXYGEN PSIG	ACETYLENE PSIG			
1601771	1	1/32"	1	1	2 - 5	3/16"	5/16 - 27
1601772	2	3/64"	2	2	3 - 8	3/16"	5/16 - 27
1601773	3	1/16"	3	3	5 - 11	3/16"	5/16 - 27
1601774	4	3/32"	4	4	6 - 14	3/16"	5/16 - 27
1601775	5	1/8"	5	5	8 - 18	3/16"	5/16 - 27

*Oxygen SCFH is equal to 1.1 times acetylene for neutral flame.

**Hose sizes are suitable for hoses up to 25'. For longer hoses, higher pressures should be used. Observe 1/8th acetylene rule when determining gas supply.

J-64-1

MODEL

1YR
WARRANTY

ACETYLENE HEATING TIPS AND ASSEMBLIES

MODELS SHOWN:
J-64-1

DESCRIPTION

The Model "J" heating tips are a single-piece, all copper tip tube and tip combination specifically used for oxygen acetylene heating applications. The Model "H" series heating tips are a tip tube, tip and mixer combination that are available for the most popular Harris torch handles.

DETAILS

Warranty: 1 year

Where used: Fabrication, shipbuilding, maintenance, etc.

Related items:
C-9 Tip cleaner P/N:
9000156



"J" Heating Tip

TORCH AND MIXER		MIXER	"J" SERIES TIP LESS MIXER	
TORCH MODEL NO.	MIXER MODEL NO.	PART NO.	MODEL NO.	PART NO.
15-4HV	B-15-3HV	9101335	J-64-1	1800555

B-15-3HV

MODEL

1YR
WARRANTY

LIGHT DUTY EQUAL PRESSURE MIXER

MODEL SHOWN:
B-15-3HV

DESCRIPTION

The Model B-15-3HV is an "E" equal or positive pressure mixer for welding, brazing and heating with all fuel gases.

DETAILS

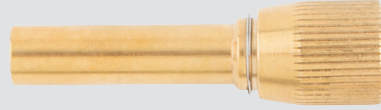
Capacity:

Welds to 1/2"/12.7mm
Heats to 60,000 BTU

Duty: Light

Thread size: Mixer to tip or
tube - 5/16" - 27

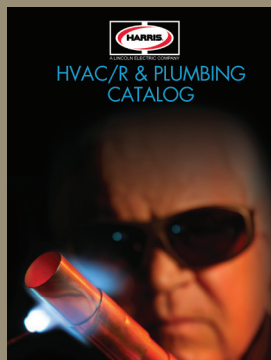
Where Used: Metal art,
maintenance, production brazing



PART NO.	MODEL NO.	COMPATIBLE HANDLE(S)	TIP TUBE MODEL NO.	ACETYLENE BRAZING/WELDING TIPS (SIZES)	ALTERNATE FUEL BRAZING TIPS (SIZES)	ACETYLENE HEATING TIPS (SIZES)	ALTERNATE FUEL HEATING TIPS (SIZES)
9101335	B-15-3HV	15-4HV	-	5090 (0-10)	-	-	-
		15-4HV	D-50-C & CXL	1390 (0-10)	1390-N (2-10)	1390 (HA)	1390-(B&H)
		15-4HV	TH-50-2 & 2XL	8490 (2, 4, 6 & 8)	8490-N (4-8)	8490-6-65	8490-6-65

LOOKING FOR HVAC/R PLUMBING OR SPECIALTY BRAZING PRODUCTS?

Contact your Harris Products Group Representative in your area:
1-800-733-4533



HVAC/R
P/N: 9500980



PRODUCTION BRAZING
CONDENSABLES AND EQUIPMENT
P/N: 9505660



THE HARRIS PRODUCTS GROUP
www.harrisproductsgroup.com

Orders: 1.800.733.4533



A LINCOLN ELECTRIC COMPANY

THE HARRIS PRODUCTS GROUP

A Lincoln Electric Company

4501 Quality Place - Mason, OH 45040

Customer Service: 1.800.733.4533

Fax: 513.754.8778

www.harrisproductsgroup.com

122015

P/N: 9700148