

Air Conditioning, Refrigeration, Plumbing, Heating, Automotive and Maintenance

# HVAC/R & PLUMBING EQUIPMENT CATALOG

FOR U.S. JOBS



QUALITY TOOLS THAT GO TO WORK WITH YOU®



SINCE 1949



UNIWELD PRODUCTS, INC. FORT LAUDERDALE, FL 33312 U.S.A.





Since 1949, Uniweld, a U.S. Manufacturer, has employed over 300 workers who help design, manufacture, and distribute U.S. made products to be sold worldwide! As we celebrate 65 years of manufacturing excellence, our focus is ever set on the future to provide a superior product coupled with unmatched customer service. Uniweld's World Headquarters and manufacturing facility based in Ft. Lauderdale, FL has state of the art robotic CNC machines that produce quality flame tools, accessories, and pressure gauges for the air conditioning, refrigeration, plumbing, heating, automotive and maintenance industries. We thank you for supporting Uniweld Products...

**"QUALITY TOOLS THAT GOES TO WORK WITH YOU!"**

# New Products

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



**USAM SPIRIT™ Manifold**  
R-410A/R-22/R-404A/R-134a  
(see page 52)



**RHP800**  
Nitrogen Regulator  
(see page 79)



**EZ TURN**  
EZ Turn Anti-Blowback  
Fitting  
(see page 71)



**NV1 Nitrovue**  
Nitrogen Flow Indicator  
(see page 78)



**UTC704**  
Premium  
Tubing Cutter  
1/8" to 1 3/4" O.D.  
(see page 87)

**UTC701**  
Mini  
Tubing Cutter  
1/8" to 1" O.D.  
(see page 86)



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OVER 80%  
OF UNIWELD  
PRODUCTS ARE  
MADE IN THE  
**USA**

# Introduction to Flame Tools



**BRAZING**



**SOLDERING**



**CUTTING**



**WELDING**

This catalog provides you with detailed information on a full range of Uniweld flame tools for the HVAC/R, Plumbing, Automotive and Industrial Maintenance professionals. When deciding on what flame tools are needed for your particular job application, it's a good idea to determine, "Will it be used specifically for welding or cutting steel, soldering or brazing copper tubing or should it be a multi-purpose outfit." We've provided the basic industry definitions for the above applications to help you decide what flame tools will be required to get the job done efficiently.

## ★ WELDING

Welding is the joining of similar metals by heating until molten and then fusing them together, usually with a similar filler material.

## ★ CUTTING

Cutting occurs when steel is heated to a pasty range (over 1600°F) and a jet of Oxygen is added into this heated area causing it to rapidly oxidize and separate.

## ★ SOLDERING & BRAZING

Basically, they're both very similar. It is the joining of metals through the use of heat and a filler metal. The difference between soldering and brazing is the temperature at which the filler material melts. If it melts below 800°F, it is *soldering*; above 800°F, it is brazing. In general, soldering will provide a permanent bond while brazing is preferred when vibration, temperature and higher tensile strength are considerations.

## FIRE TRIANGLE

Fire consists of three basic elements.

1. Fuel; 2. Oxygen; 3. Ignition. This is called the Fire Triangle.

## OXYACETYLENE

Combining Oxygen and Acetylene from two separate tanks produces a concentrated flame of approx. 5600°F, that is ideal for brazing copper tube, welding and cutting steel and general maintenance repairs. This type of flame tool is preferred by HVAC/R tradesmen because of its hot, concentrated flame with low heat transfer into sensitive components. Heat transfer is minimized with the use of proper tips.

## AIR/ACETYLENE

These flame tools use a single tank of fuel and by induction of the outside air create an efficient flame. The target heat is 2700°F and is ideally suited for soldering and brazing copper tube. Tank size is usually a B (40 cu.ft.) or MC (10 cu.ft.)

## AIR/LP GAS

These flame tools utilize a single tank of liquid petroleum fuel and by induction of the outside air create a flame. The most common LP fuels are Propane and MAP//Pro™ (Propylene). The target heat for Propane is 1750°F and for MAP//Pro™ it's 2400°F.



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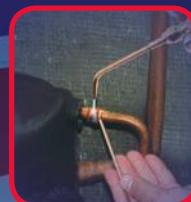
Ranked #1 for Commercial Refrigeration Technicians



# Master® Outfits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Highly rated by commercial refrigeration technicians, Master® outfits contain all the necessary top of the line components for welding, cutting and brazing.



- Industrial grade Master® series regulators with protective rubber gauge boots
- Rear valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with one-piece solid copper mixer that cuts up to 1/2" steel with supplied cutting tip
- Rosebud tip for brazing up to 2 5/8" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel

**KL550-TR**



**KL550-4P-T**

C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks  
TR = Metal Hand Truck w/Wheels

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

	Part#	UPC#	Welding HanDrillsdle	Welding/ Brazing Tip	Rosebud Heating Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Outfits	KL550-4	82200	WH550	Type17-2	Type17-15	CA550	5-101-0D	RS0	RSMC2	w/o	w/o
	KL550-4C	82201			Type17-15		5-101-0D	RS0	RSMC2	500S	w/o
	KL550-4C-T	82202			Type17-15		5-101-0D	RS0	RSMC2	500S	MC/R
	KL550-4P	82205			Type17-15		5-101-0D	RS0	RSMC2	511	w/o
	KL550-4P-T	82206			Type17-15		5-101-0D	RS0	RSMC2	511	MC/R
	KL550-5	82207			Type17-15		5-101-0D	RS0	RSB2	w/o	w/o
	KL550-TR	82208			w/o		5-101-2D	RS0	RSB2	504	w/o
	KL555-TR	82259			w/o		5-101-2D12106 [psi/kg]	12107 [psi/kg]	504	w/o	

Outfits Include: H32A [12.5] ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped Empty



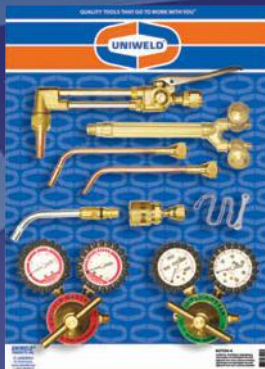
For Maintenance/Service Technicians



# Mastar® Outfits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

This premium outfit includes all the components of the Mastar® outfit on page 4, plus an air/fuel adaptor that modifies the welding handle to be used with any of UniWeld's efficient quick connect air/acetylene tips.



**KLT550-4**

- Industrial grade Mastar® series regulators with protective rubber gauge boots
- Rear valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with one-piece solid copper mixer that cuts up to 1/2" steel with supplied cutting tip. Optional cutting tips available for cutting up to 2" steel
- Rosebud tip for brazing up to 25/8" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel
- Twister® air/acetylene tip for plumbing and repair work



**KLT550-4C-T**

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

C = Metal Carrying Stand

C-T = Metal Carrying Stand & Tanks

P = Plastic Carrying Stand

P-T = Plastic Carrying Stand & Tanks

TR = Metal Hand Truck w/Wheels

	Part#	UPC#	Welding Handle	Welding/ Brazing and Heating Tip	Acetylene Tip	Adaptor	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Outfits	KLT550-4	82210								RSMC2	w/o	w/o
	KLT550-4C	82211								RSMC2	500S	w/o
	KLT550-4C-T	82212		Type17-2	A-8 Twister® Air/Fuel Tip	F13 Air/Fuel Adaptor				RSMC2	500S	MC/R
	KLT550-4P	82215	WH550	Type17-15			CA550	5-101-0D	RS0	RSMC2	511	w/o
	KLT550-4P-T	82216								RSMC2	511	MC/R
	KLT550-5	82217								RSB2	w/o	w/o
	KLT550-5TR	82218								RSB2	504	w/o

Outfits Include: H32A [12.5] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped Empty



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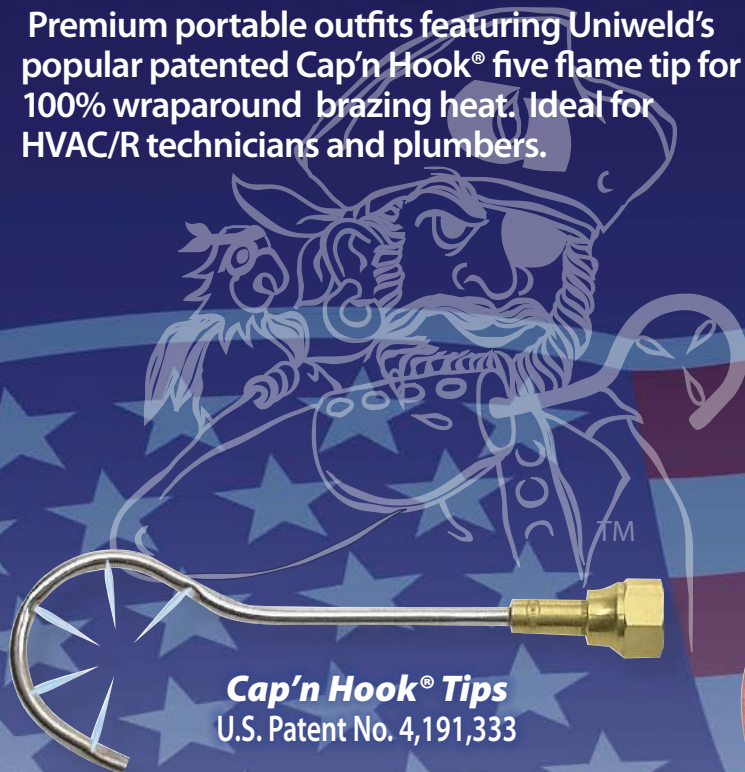
Premium Outfits for Welding and Brazing



# Cap'n Hook® Outfits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Premium portable outfits featuring Uniweld's popular patented Cap'n Hook® five flame tip for 100% wraparound brazing heat. Ideal for HVAC/R technicians and plumbers.



**Cap'n Hook® Tips**  
U.S. Patent No. 4,191,333

- Single stage Patriot® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel
- NEW & Improved Cap'n Hook® 5 flame tip for brazing up to 1" copper tubing



**K22P-T**

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks



	Part#	UPC#	Welding Handle	Welding/Brazing Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Cap'n Hook® Outfits	K22	82339	71	Type17-2 MTF-5 Cap'n Hook® Tip	R0	RMC2	w/o	w/o
	K22C	82340					500S	w/o
	K22C-T	82341					500S	MC/R
	K22P	82344					511	w/o
	K22P-T	82345					511	MC/R

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped Empty





Premium Outfits for Cutting, Welding and Brazing

# Cap'n Hook® Outfits

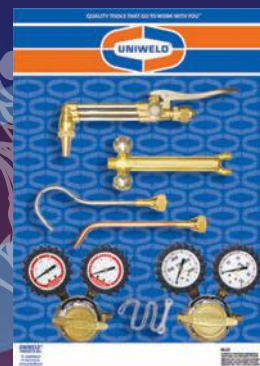
**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

A cutting attachment and cutting tip have been added to the Cap'n Hook® outfit on page 6. You now have the added ability of cutting up to 1/2" steel with the supplied tip. The Cap'n Hook® five flame tip provides a stable, wraparound flame.

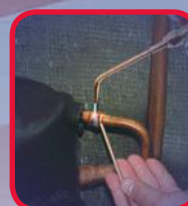
**KL22C-T**



- Single stage Patriot® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with three tube tip mix for top performance and safety that cuts up to 1/2" steel with supplied tip
- Optional cutting tips available for cutting up to 2" steel
- NEW & Improved Cap'n Hook® 5 flame tip for brazing up to 1" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel



**KL22**



**Cap'n Hook® Tips**  
U.S. Patent No. 4,191,333

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks

	Part#	UPC#	Welding Handle	Welding Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
<b>Cap'n Hook® Outfits</b>	KL22	82500							w/o	w/o
	KL22C	82501		Type17-2					500S	w/o
	KL22C-T	82502	71	MTF-5 Cap'n Hook® Tip	CA100	CT100-0D	R0	RMC2	500S	MC/R
	KL22P	82505							511	w/o
	KL22P-T	82506							511	MC/R

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped Empty



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Tech favorite for Welding, Brazing and Cutting



# Patriot® Outfits

A favorite choice of Refrigeration and HVAC/R Service Technicians. Three different size welding tips come complete with elbow mixer and nut.

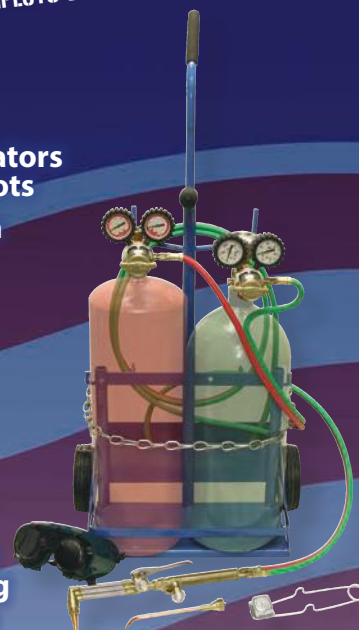
**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

1 Oxyacetylene

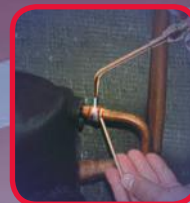


**KL71-4C-T**

- Single stage Patriot® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Three tube tip mix cutting attachment for top performance and safety; cuts up to 1/2" steel with supplied cutting tip
- Optional cutting tips available for cutting up to 2" steel
- Three welding tips for brazing from 3/16" to 1" copper tubing and welding up to 1/8" steel



**KL71-5TR**



C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks

P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks



When brazing smaller copper tubing, use the proper size tip. Cutting back on the fuel and oxygen when using an oversized tip will starve the tip and may result in backfire or flashback.

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

	Part#	UPC#	Welding Handle	Welding/Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Patriot® Outfits	KL71-4	82319	71	Type17-0 Type17-1 Type17-2	CA100	CT100-0D	R0	RMC2	w/o	w/o
	KL71-4C	82320						RMC2	500S	w/o
	KL71-4C-T	82321						RMC2	500S	MC/R
	KL71-4P	82324						RMC2	511	w/o
	KL71-4P-T	82325						RMC2	511	MC/R
	KL71-5	82326						RB2	w/o	w/o
	KL71-5TR	82336						RB2	504	w/o

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped



Maintenance Service Tech's #1 Choice

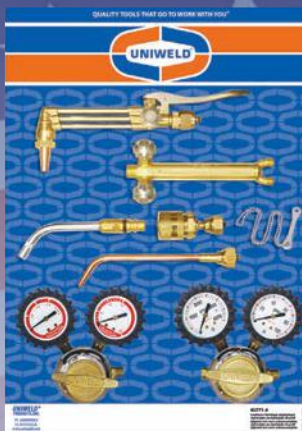


# Patriot® Outfits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Solder and braze without the use of an Oxygen cylinder when using Uniweld's Acetylene Twister® tip and air/fuel adaptor  
...a real Oxygen saver!  
Cuts up to 1/2" steel with supplied tip.

- Single stage Patriot® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with three tube tip mix for top performance and safety. Cuts up to 1/2" steel with supplied tip
- Optional cutting tips available for cutting up to 2" steel
- Air/fuel adaptor converts welding handle to use quick connect air/fuel tips
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel



**KLT71-4**



**KLT71-4P-T**

C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

	Part#	UPC#	Welding Handle	Welding Brazing Tip	Acetylene Tip	Adaptor	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
<b>Patriot® Outfits</b>	KLT71-4	82327								RMC2	w/o	w/o
	KLT71-4C	82328								RMC2	500S	w/o
	KLT71-4C-T	82329								RMC2	500S	MC/R
	KLT71-4P	82332	71	Type17-2	A-8 Twister® Tip	F13 Air/Fuel Adaptor	CA100	CT100-0D	RO	RMC2	511	w/o
	KLT71-4P-T	82333								RMC2	511	MC/R
	KLT71-5	82334								RB2	w/o	w/o
	KLT71-5TR	82335								RB2	504	w/o

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped Empty



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# Basic Welding/Brazing Outfit

## Patriot® Outfits

An economical, contractor grade outfit with all the basic components for brazing and for welding. Easily portable for light to medium duty jobs.

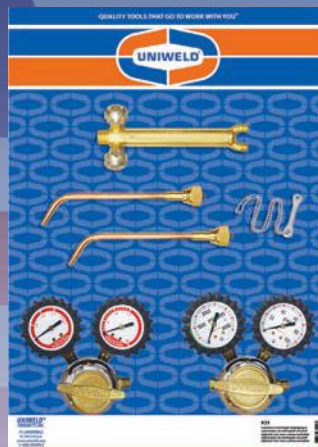
**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



- Single stage Patriot® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valve for accurate gas control
- Two welding tip sizes for brazing up to 1" copper tubing and for welding up to 1/8" steel



**K24TB**



**K23**

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks

	Part#	UPC#	Welding Handle	Welding Brazing Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Patriot® Outfits	K23	82300	71	Type17-0 Type17-2	R0	RMC2	w/o	w/o
	K23C	82301				RMC2	500S	w/o
	K23C-T	82302				RMC2	500S	MC/R
	K23P	82305				RMC2	511	w/o
	K23P-T	82306				RMC2	511	MC/R
	K24	82307				RB2	w/o	w/o
	K24TB	82308				RB2	503	w/o

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain. \*Tanks Shipped Empty





## Welding/Brazing + Cutting Upgrade

# Patriot® Outfits

A cutting attachment and cutting tip have been added to upgrade the capabilities of the contractor outfits available for use with Acetylene Propane or MAP//Pro® [Propylene].

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

- Single stage Patriot® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with three tube tip mix for top performance and safety. Cuts up to 1/2" steel with supplied tip

- Optional cutting tips available for cutting up to 2" steel

- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel

**K55CM**



C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19



**K46P-T**

		Part#	UPC#	Welding Handle	Welding/Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Carrying Stand	Tanks*
Patriot® Outfits	Acetylene	K46P	82311	71	Type17-2	CA100	CT100-0D	RO	RMC2	511	w/o
		K46P-T	82312				CT100-0D		RMC2	511	MC/R
		K56C	82313				CT100-0D		RMC2	500S	w/o
		K56C-T	82314				CT100-0D		RMC2	500S	MC/R
	MAP//Pro™ [Propylene]	K45CM	82315	71	Type17-3	CA550	5-200M-0D†		RP3A	511	w/o
		K55CM	82316				5-200M-0D†		RP3A	510	w/o
	Propane	K45CP	82317				5-200-0D~		RP3A	511	w/o
		K55CP	82318				5-200-0D~		RP3A	510	w/o

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain †MAP//Pro™ ~Propane. \*Tanks Shipped Empty.



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**11**

**1 Oxyacetylene**





# Basic Welding/Brazing Outfit

## Centurion® Outfits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

An economical, contractor grade outfit with all the basic components for brazing and for welding. Easily portable for light to medium duty jobs.



- Single stage Centurion® series regulators with rubber protective gauge boots
- Front valve welding handle with stainless steel ball point valve for accurate gas control
- Two welding tip sizes for brazing up to 1" copper tubing and for welding up to 1/8" steel
- Optional welding/brazing tips expand capabilities. See pages 16-19



**KC100CT**



**KC100FC**

C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks

Additional outfit options listed below include a variety of carrying stands and tanks\*.

	Part#	UPC#	Welding Handle	Welding/Brazing Tip	Cap'n Hook® Tip	Micro 6000™ Specialty Tips	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Centurion® Outfits	KC100	82607	71	Type17-0 Type17-2			R0100	RMC100	w/o	w/o
	KC100C	82601							500S	w/o
	KC100CT	82602							500S	MC/R
	KC100P	82603							511	w/o
	KC100PT	82604		Type17-3			R0100	RP3A	511	MC/R
	KC122P	82621			MTF-5	MTW-1			511	w/o
	KC122L	82620				MTT			w/o	w/o
	KC100FC†	82609							510	w/o

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain. \*Tanks Shipped Empty  
† KC100FC - Outfit Includes: H32AT [12.5 ft.] 3/16" Grade "T" Twin Hose, WG53 Goggles, FL34 Flint Lighter





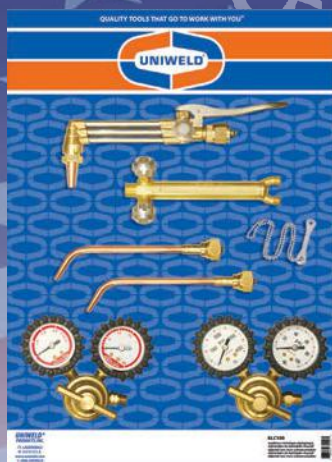
# Welding/Brazing + Cutting Upgrade Centurion® Outfits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

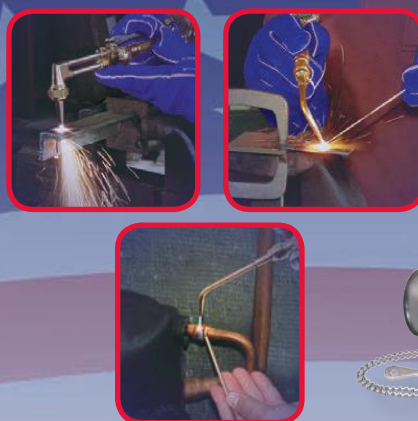
A cutting attachment and cutting tip have been added to upgrade the economical Centurion® contractor grade outfit. Portable, lightweight and suitable for light to medium duty cutting, welding and brazing jobs.

- Single stage Centurion® series regulators with protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with three tube tip mix for top performance and safety. Cuts up to 1/2" steel with supplied tip
- Optional cutting tips available for cutting up to 2" steel
- Welding tip for brazing up to 1" copper tubing and welding (with Acetylene) up to 1/8" steel
- Optional welding/brazing tips expand capabilities. See pages 16-19

1 Oxyacetylene



**KLC100**



C = Metal Carrying Stand  
C-T = Metal Carrying Stand & Tanks  
P = Plastic Carrying Stand  
P-T = Plastic Carrying Stand & Tanks



**KLC100PT**

Additional outfit options listed below include a variety of carrying stands and tanks\*. Optional tips expand capabilities. See pages 16-19

	Part#	UPC#	Welding Handle	Welding Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Centurion® Outfits	KLC100	82700							w/o	w/o
	KLC100C	82701		Type17-0					500S	w/o
	KLC100CT	82702	71	Type17-2	CA100	CT100-0D	R0100	RMC100	500S	MC/R
	KLC100P	82703							511	w/o
	KLC100PT	82704							511	MC/R

Outfits Include: H32A [12.5 ft.] Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

\*Tanks Shipped Empty



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## Oxyacetylene Welding & Cutting

# Handles/Attachments

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

UniWeld's V-style CA550 cutting attachment is designed so that the oxygen and fuel gas mix in the bottom tube and flow to the tip along with the cutting oxygen flowing to the tip in the top tube. The CA100 A-style cutting attachment is designed so that the oxygen and fuel gas mix in the cutting tip for top performance and operator safety. Both style cutting attachments fit either the UniWeld 71 or WH550 welding handle. The 71 handle utilizes a front valve design while the WH550 handle features accurate rear valve gas and oxygen controls.



WH550



71



CA100

CA550

F11



**F11 ADAPTOR**  
Adaptor converts the 71 and WH550 welding handles to use screw connect air/fuel tips for brazing and soldering without the use of an Oxygen cylinder.



F13

**F13 ADAPTOR**  
Adaptor converts the 71 and WH550 welding handles to use quick connect air/fuel tips for brazing and soldering without the use of an Oxygen cylinder.



PUA

**PUA ADAPTOR**  
Prest-O-Lite® tips to fit UniWeld welding handle.



UPA

**UPA ADAPTOR**  
UniWeld tips to fit Prest-O-Lite® welding handle.

	Part#	UPC#	Head Angle	Head Type	Length	Weight	"A" Hose Connection
Cutting Attachments	CA550*	02600	90°	Forged	8"	15 oz.	-
	CA100	02700			7"	10.8 oz.	-
Welding Handles	71*	00300	-	-	6"	6.4 oz.	3/8"-24RH, Oxygen 3/8"-24LH, Fuel Gas
	WH550*	00550	-	-	8.5"	12.6 oz.	

\* UL Listed



*It Pays to Pay Attention in the Work Place*



**Play it Safe®**

Always use the proper size tip for the job. Never use an oversized tip and then cut the fuel and oxygen back to work on a small job. This will starve the tip of oxygen and acetylene, resulting in improper operating pressure that may cause tip damage, overheating, backfire and flashback.

The following is a good example of proper procedure for lighting an oxyacetylene tip. This operating procedure is not a substitute for carefully reading the manufacturer's operating instructions before use.

**[STEP 1]** Prior to opening the cylinder valve, make sure the regulator pressure adjusting screw is backed all the way out by turning it counterclockwise until there is no pressure on the spring. When opening [or closing] the cylinder valve, always stand to the side of the cylinder with the regulator facing forward. The oxygen cylinder valve should be "cracked" open slowly until the cylinder contents gauge stops moving. Then, open the valve sufficiently to provide adequate flow. The fuel gas [acetylene] cylinder valve should be opened a maximum of  $\frac{3}{4}$  turn and a wrench should remain in position on the stem of the valve while the cylinder is in use so that the valve can be quickly turned off in case of an emergency.

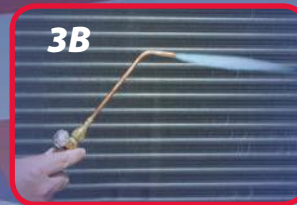


**3A**



**[STEP 3]** To light the tip, **open the fuel gas [acetylene] valve first about  $\frac{1}{2}$  turn** and quickly ignite with a spark lighter. Adjust the flame so that it is not separated from the tip end. The flame should be bright yellow with no black soot [3A]. If necessary, increase the fuel to clear the black soot.

**3B**



Next, open the oxygen and adjust the flow until the white feathers disappear into a well-defined bullet nose cone called the neutral flame [3B].

**[STEP 2]** After the proper tip has been selected and installed, the proper operating pressure needs to be determined from the manufacturer's tip chart. Set each regulator to its corresponding pressure by adjusting the pressure adjusting screw. Purge hoses and equipment by briefly opening and closing the oxygen valve and fuel gas valve separately and venting gases safely. Purge hoses and equipment before each use.



**[STEP 4]** When you have completed the job and are ready to shut off the torch, **always shut the oxygen valve first and then the fuel gas valve [acetylene]**. **NOTE:** Shutting off the fuel gas first can cause backfire and/or flashback.

**ASK FOR FREE! FULL-SIZE (23"x36") SAFETY POSTER WHEN PLACING YOUR NEXT ORDER**



Part#USP8E  
English  
Safety Poster

Part#USP8S  
Spanish  
Safety Poster

Part#USP8F  
French  
Safety Poster

Part#USPA  
Arabic  
Safety Poster



**[STEP 5]** To shut down the torch for storage or transportation, close the cylinder valves. Release the oxygen pressure by opening the oxygen torch valve [vent safely]. Close the torch valve and repeat this same process for the fuel gas [vent safely]. Close all valves tightly and secure the equipment. **Now the shutdown is complete!**



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**15**





# Brazing, Welding & Cutting Tips, Tips, Tips...

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The popular Type17 tips come complete with elbow, mixer and nut. Use with Acetylene, Propane, MAP//Pro™ [Propylene] and Natural Gas.

Type17-2

## Type17 Weld/Braze Tips

Type17 tips have O-Ring seals, [X26R & X25R] so tighten the tip nut firmly hand tight. **DO NOT OVER-TIGHTEN**



X25R Small O-Ring

X26R Large O-Ring

Part# TXRK  
Kit includes:  
(5) X25R & (5) X26R

Part#	UPC#	Acetylene Consumption SCFH	Fuel Pressure PSIG	Oxygen Pressure PSIG	Welding Metal Thickness	Brazing Copper Tubing	Replacement Elbow	Replacement Mixer & Nut UM17
Type17-000	30250	1-2	5	5	1/32"	1/8"	Type17E-000	UM17-000
Type17-00	30251	2-3	5	5	3/64"	1/4"	Type17E-00	UM17-000
Type17-0	30252	2-4	5	5	5/64"	1/2"	Type17E-0	UM17-0
Type17-1	30253	3-6	5	5	3/32"	3/4"	Type17E-1	UM17-0
Type17-2	30254	5-10	5	5	1/8"	1"	Type17E-2	UM17-2
Type17-3	30255	8-18	6	7	3/16"	1 1/2"	Type17E-3	UM17-3
Type17-4	30256	10-25	7	10	1/4"	2"	Type17E-4	UM17-4
Type17-5	30257	15-35	8	12	1/4" to 1/2"	3"	Type17E-5	UM17-5
Type17-6	30258	25-45	9	14	1/2" to 3/4"	4"	Type17E-6	UM17-5
Type17-7	30259	30-60	10	16	3/4" to 1 1/4"	6"	Type17E-7	UM17-5

\*NOTE: When acetylene weld/braze tips are used with fuel gases, use one size larger tip and maximum pressures to obtain proper heat. The chart indicates approximate torch oxygen consumption with a neutral flame ratio for various gases: Pressures are approximate for hose length up to 25 ft.; increase for longer lengths about 3 psig per 25 ft. - increase working pressure 2-3 psig for check valves and flashback arrestors. Acetylene delivery pressure should not exceed 15 psig under flow conditions.

1.1 Oxygen to 1 Acetylene  
3.5 Oxygen to 1 MAP//Pro™ [Propylene]  
4 Oxygen to 1 Propane / Natural gas

## Cutting Tips

This is a metal to metal seating, so be sure to tighten the tip nut wrench tight

Part#	UPC#	Cutting SCFH	Oxygen PSIG	Fuel PSIG	Cutting Tip Guide	Description
5-101-00D	34505	30-35	20-25	5	1/4"	Acetylene 6 preheats for General Purpose Cutting
5-101-0D	34506	40-60	20-30	5	1/2"	
5-101-1D	34507	80-85	30-35	5	3/4" to 1"	
5-101-2D	34508	140-180	35-40	7	1" to 2"	
5-200-0D	34530	40-60	20-30	5	1/2"	Propane 8 preheats for General Purpose Cutting
5-200-1D	34531	80-85	30-35	5	3/4" to 1"	
5-200-2D	34532	140-180	35-40	7	1" to 2"	
5-200M-0D	34555	40-60	20-30	5	1/2"	MAP//Pro™ [Propylene] 8 preheats for General Purpose Cutting
5-200M-1D	34556	80-85	30-35	5	3/4" to 1"	
5-200M-2D	34557	140-180	35-40	7	1" to 2"	
CT100-00D	38010	30-35	20-25	5	1/4"	Acetylene General Purpose Cutting
CT100-0D	38011	40-60	20-25	5	1/2"	
CT100-1D	38012	80-85	30-35	5	3/4" to 1"	
CT100-2D	38013	140-180	35-40	7	1" to 2"	

5-101 & 5-200 Tips fit CA550 Cutting Attachment. CT100 Tips fit CA100 Cutting Attachment.



5-101 Series

5-200 Series



CT100 Series







## Welding/Brazing & Heating

# and more Tips...

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Rosebuds are your best tip choice for brazing, soldering and heating. They're available 7" and 12" lengths and in several sizes. These tips fit Uniweld 71 and WH550 welding handles.

1 Oxyacetylene

**TYPE17-15**

### Rosebud Heating Tips

Part#	UPC#	Overall Length	Acetylene SCFH	Oxygen PSIG	Acetylene PSIG	Brazing Copper Tubing Guide	Replacement Mixer & Nut
Type17-15	31170	7"	15	12	10	1/8" to 25/8"	UM17-5
*Type17-30	31171	7"	30	15	12	1/2" to 6"	UM17-5
Type28-2	31450	12"	9	8	7	1/8" to 15/8"	UM17-5
Type28-4	31451	12"	14	12	10	1/2" to 3"	UM17-5
*Type28-6	31452	12"	30	15	12	1/2" to 6"	UM17-5
*Type28-8	31453	12"	60	25	15	6" to 8"	UM17-5

\*Tips must be used with a 40 cu. ft. or larger cylinder.

### Replacement Tip Ends

Part#	UPC#
Type28TE-2	31460
Type28TE-4	31461
Type28TE-6	31462
Type28TE-8	31463

**TYPE28TE-6 Tip Ends**

**TYPE28-6**

**TYPE17-9**

Flexible tips that you can bend to fit the job...  
...even around corners! And then, re-bend 'em  
for the next job. 10.5" long, including mixer.

**(2) TYPE17-30 Tip Ends**

**TYPE13-8VM**

### Flexible Brazing Tip

### Twin Rosebud Heating Tip

Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene Pressure PSIG	Brazing Copper Tubing	Replacement Elbow	Replacement Mixer & Nut
Type17-9	31181	4	5	5	Up to 7/8"	Type17E-9	UM17-5
Type13-8VM	31161	60	25	15	4" - 12"	Type13E-8	UM17-5

Fits 71 and WH550 Welding Handles.



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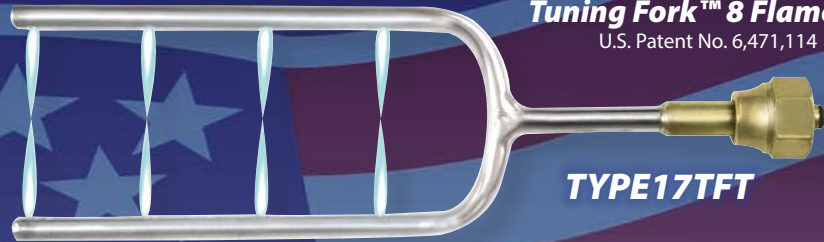
# Tuning Fork™ Tip and Micro 6000™ Tips



## Hot Tips

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

Heat up all the fittings of a heat pump reversing valve at once for easy removal of the defective valve with the Tuning Fork™ Tip. Remove and install the new valve without altering the original copper tube fittings. The Tuning Fork™ Tip makes it possible to work efficiently in tight spaces and get even heat quickly in tough-to-reach areas.



**Tuning Fork™ 8 Flame Tip**

U.S. Patent No. 6,471,114

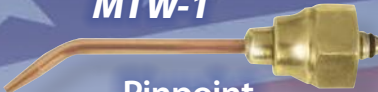
**TYPE17TFT**

	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene/Fuel Pressure PSIG	Overall Length	Welding Metal Thickness	Brazing Copper Tubing	Replacement Nut & Mixer
<b>Tuning Fork™ Tip</b>	Type17TFT	31175	5-10	10	7	8"	N/A	7/8"	UM17-5

Tuning Fork™ Tip fits 71 and WH550 welding handles.

Micro 6000™ Tips heat up to 5600°F, providing pinpoint brazing accuracy.

**MTW-1**



Pinpoint concentrated heat in tight spaces



Stable concentrated flame even in windy conditions



**MTR**



Adjustable tip ends for maximum control



**MTT**



	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene/Fuel Pressure PSIG	Overall Length	Welding Metal Thickness	Brazing Copper Tubing	Replacement Nut & Mixer
<b>Micro 6000™ Tips</b>	MTW-1	30551	2-3	5	5	3"	3/64"	1/2"	N/A
	MTW-2	30552	2-4	5	5	3"	5/64"	1"	N/A
	MTT	30560	4-6	5	5	4"	N/A	1"	N/A
	MTR	30570	4-8	5	5	4"	N/A	1 1/2"	N/A

Micro 6000™ tips fit 71 and WH550 welding handles.





Oxyacetylene, MAP//Pro™ (Propylene), Propane

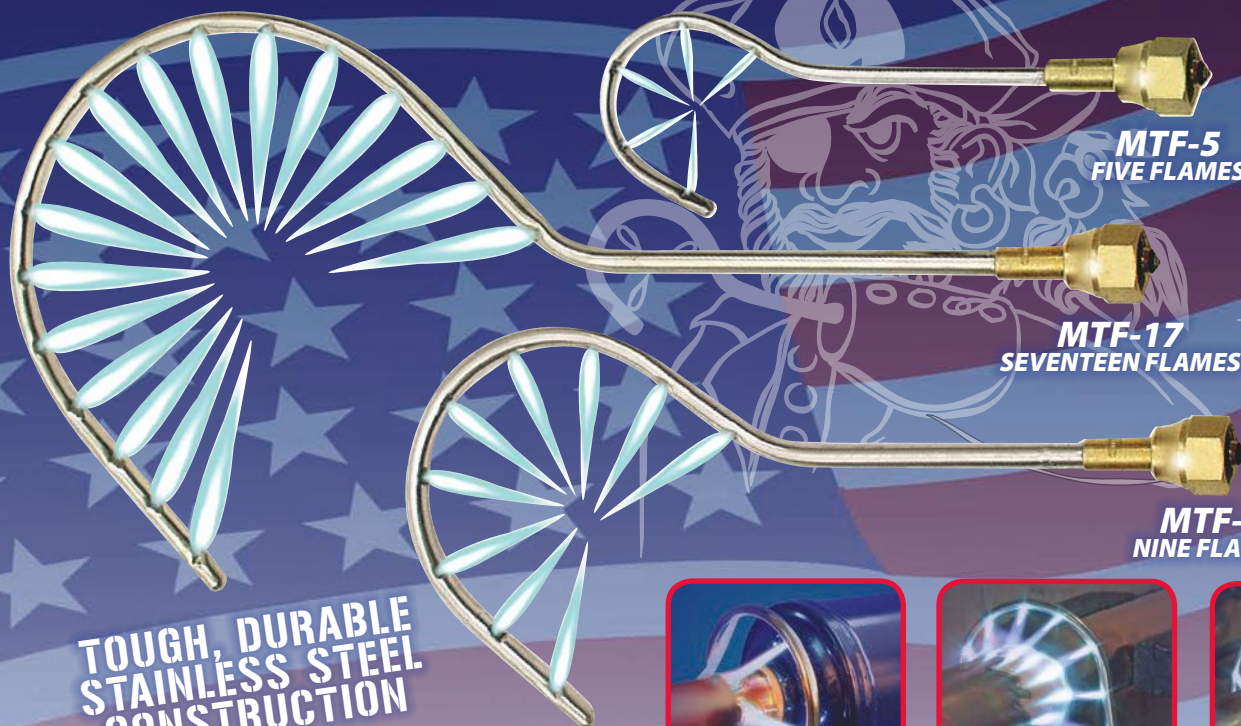
# Cap'n Hook® Tips

U.S. Patent No. 4,191,333

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The patented Uniweld Cap'n Hook® Tip with concentrated heat up to 5600°F. The 40° flame angle flows onto copper tubing and away from sensitive areas, thus minimizing the chances of burning adjacent components. You get 100% wraparound for even heat distribution.

1 Oxyacetylene



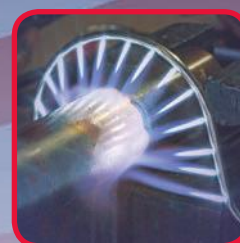
**MTF-5**  
FIVE FLAMES

**MTF-17**  
SEVENTEEN FLAMES

**MTF-9**  
NINE FLAMES

**UP TO 3X  
FASTER  
BRAZING  
SPEED**

**TOUGH, DURABLE  
STAINLESS STEEL  
CONSTRUCTION**



	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene Pressure PSIG	Overall Length	Brazing Copper Tubing [up to]
<b>Acetylene</b>	MTF-5	30590	4-6	8	5	5½"	1"
	MTF-9	30591	5-9	10	7	8½"	2"
	MTF-17	30592	8-14	18	12	11"	3"

	Part#	UPC#	MAP//Pro™ [Propylene] /Propane Consumption LBS/HR	Oxygen Pressure PSIG	MAP//Pro™ [Propylene] /Propane Pressure PSIG	Overall Length	Brazing Copper Tubing [Up to]
<b>MAP//Pro™ (Propylene) Propane</b>	MTFM-5	30595	2.6	10	5	5½"	1"
	MTFM-9	30596	3.1	15	7	8½"	2"
	MTFM-17	30597	5.6	20	10	11"	3"

All Cap'n Hook® Tips fit 71, WH550 & WH250 Handles.



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# Self-Igniting Swirl Combustion Torch Tips



# Twister®2

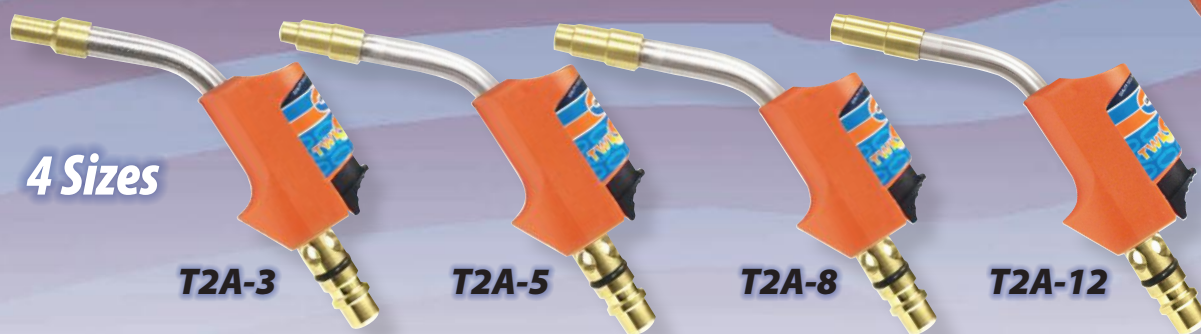
**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Twister®2 Tips combine easy start electric ignition with the popular Twister® swirl combustion technology to produce a faster igniting and more efficient torch tip. Use with Acetylene.

2 Air/Acetylene



**Replaceable Tip Ends**



Quick Connect	Part#	UPC#	Copper Tubing Capacity		Tip Ends	Part#	UPC#
	T2A-3	43050	Up to 1"	Up to 1/2"		T2A-3TE	43060
	T2A-5	43051	3/4" to 1 1/2"	1/4" to 3/4"		T2A-5TE	43061
	T2A-8	43052	1" to 2"	1/2" to 1"		T2A-8TE	43062
	T2A-12	43053	1 1/4" to 3"	7/8" to 1 5/8"		T2A-12TE	43063





# Self-Igniting Swirl Combustion Torch Tips

## UNIWELD® Twister® 2 Kits

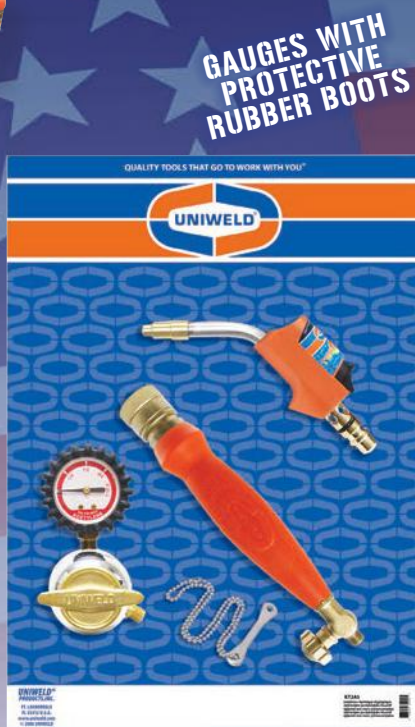
**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Twister® 2 self-igniting Torch Kits feature swirl combustion technology that produces a high energy efficient flame. The flame remains stable, even in windy conditions. The self-igniting tip "quick connects" to the ergonomically designed handle.



**KT2A5MCT**

**512 Carrying Stand**  
U.S. Patent No. 4,294,448



**KT2A5**

GAUGES WITH  
PROTECTIVE  
RUBBER BOOTS



**KT2A5T**

**2 Air/Acetylene**

	Part#	UPC#	Regulator	Handle	Tips	Carrying Stands	Tanks*
<b>Quick Connect</b>	KT2A5	89650	RB Acetylene Regulator	TH6	T2A-5 Twister® Tip	w/o	w/o
	KT2A5T	89651	RB Acetylene Regulator	Quick Connect Handle with Rear Control Valve	T2A-5 Twister® Tip	502	"B" Acetylene Tank
	KT2A5MC	89652	RMC Acetylene Regulator		T2A-5 Twister® Tip	w/o	w/o
	KT2A5MCT	89653	RMC Acetylene Regulator		T2A-5 Twister® Tip	512	"MC" Acetylene Tank

Regulators fitted with protective rubber gauge boots. Kits include H12 [12.5 ft.] Acetylene Hose, W05 Tank Key w/chain.\* Tanks shipped empty.



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## Swirl Combustion Torch Tips



# Twister® Tips

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The popular Air/Fuel Twister® Tips let you work with a stable, high energy efficient flame, even in windy conditions. Twister® helical blade technology maximizes the BTU's and speeds up the heat transfer.

STAINLESS  
STEEL FLAME  
TUBE



TARGET HEAT AREA  
THE MOST EFFICIENT AREA  
FOR HEAT TRANSFER.

Quick Connect Twister® Tips  
Fit UniWeld's TH6 Quick Connect  
Handles With Rear Control Valve




All sizes also  
available as  
Screw Connect

A-S3

2 Air/Acetylene



	Part#	UPC#	Copper Tubing Capacity Solder	 Swirl Flame Pattern	Copper Tubing Capacity Braz	UPC#	Part#	
Quick Connect	A-3	43020	Up to 1"		Up to 1/2"	43025	AS-3	Screw Connect
	A-5	43021	3/4" to 1 1/2"		1/4" to 3/4"	43026	AS-5	
	A-8	43022	1" to 2"		1/2" to 1"	43027	AS-8	
	A-11	43023	1 1/4" to 3"		7/8" to 1 5/8"	43028	AS-11	
	A-14	43024	2" to 3 1/2"		1" to 2"	43029	AS-14	
	A-32	43040	4" to 6"		1 1/2" to 4"	43041	AS-32	

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Quick Connect and Screw Connect

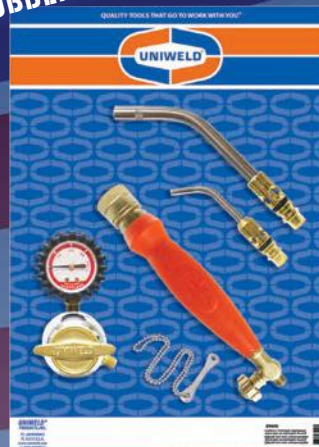


# Twister® Kits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS







GAUGES WITH  
PROTECTIVE  
RUBBER BOOTS



89600

2 Air/Acetylene

	Part#	Regulator	Handle	Tips	Carrying Stands	Tanks*
 <b>Quick Connect</b>	89600	RB Acetylene Regulator	 <b>TH6 Quick Connect Handle Rear Control Valve</b>	A-3, A-11 Twister® Tips	w/o	w/o
	89602	RB Acetylene Regulator		A-3, A-11 Twister® Tips	502	"B" Acetylene Tank
	89603	RMC Acetylene Regulator		A-3, A-11 Twister® Tips	w/o	w/o
	89605	RMC Acetylene Regulator		A-3, A-11 Twister® Tips	512	"MC" Acetylene Tank
	89620	RB Acetylene Regulator		A-5 Twister® Tip	w/o	w/o
	89621	RB Acetylene Regulator		A-5 Twister® Tip	502	"B" Acetylene Tank
	89622	RMC Acetylene Regulator		A-5 Twister® Tip	w/o	w/o
	89623	RMC Acetylene Regulator		A-5 Twister® Tip	512	"MC" Acetylene Tank
	89628	RB Acetylene Regulator		A-5, A-14 Twister® Tips	w/o	w/o
 <b>Screw Connect</b>	89629	RB Acetylene Regulator		A-8 Twister® Tip	w/o	w/o
	89608	RB Acetylene Regulator	 <b>TH3 Screw Connect Handle Rear Control Valve</b>	AS-3, AS-11 Twister® Tips	w/o	w/o
	89609	RB Acetylene Regulator		AS-3, AS-11 Twister® Tips	502	"B" Acetylene Tank
	89610	RMC Acetylene Regulator		AS-3, AS-11 Twister® Tips	w/o	w/o
	89611	RMC Acetylene Regulator		AS-3, AS-11 Twister® Tips	512	"MC" Acetylene Tank
	89624	RB Acetylene Regulator		AS-5 Twister® Tip	w/o	w/o
	89625	RB Acetylene Regulator		AS-5 Twister® Tip	502	"B" Acetylene Tank
	89626	RMC Acetylene Regulator		AS-5 Twister® Tip	w/o	w/o
	89627	RMC Acetylene Regulator		AS-5 Twister® Tip	512	"MC" Acetylene Tank

Regulators fitted with protective rubber gauge boots. Kits include H12 [12.5 ft.] Acetylene Hose, W05 Tank Key w/chain. \*Tanks shipped Empty.



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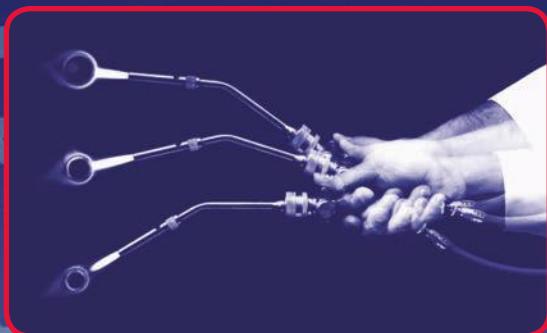
## Quick Connect and Screw Connect



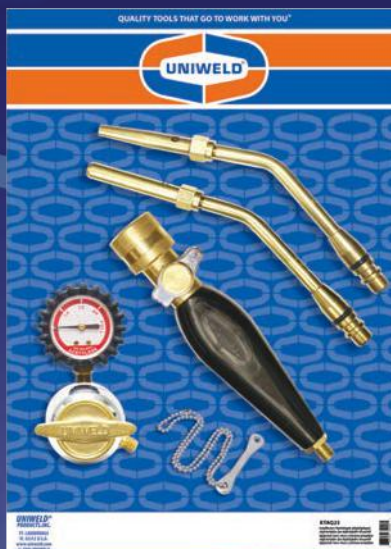
# Thruster® Kits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The Air/Acetylene Thruster® Kit comes with adjustable flame tips and a fuel conserving Thruster® handle. Excellent for plumbing or repair work in very tight work areas. Select either "quick connect" or "screw connect" tips and either "B" tank or "MC" tank regulators.



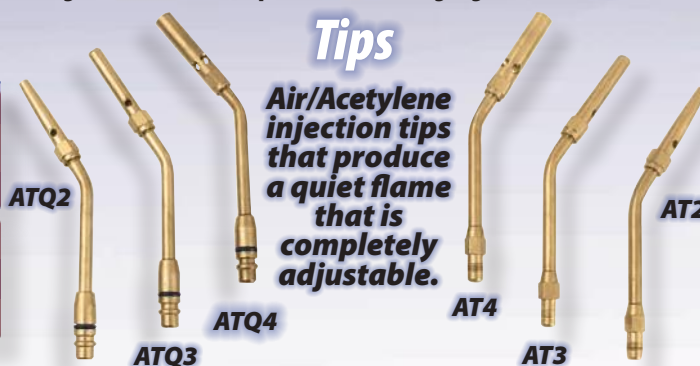
**KTAQ23**  
**Quick Connect Kit**



	Part#	UPC#	Regulator	Tips	Handle
<b>Quick Connect</b>	KTAQ23	89007	RB Acetylene Regulator	ATQ2, ATQ3 Thruster® Tips	<b>TH7</b> Quick Connect Handle with Fuel-Conserving Pilot Valve
	KTAQ23MC	89008	RMC Acetylene Regulator	ATQ2, ATQ3 Thruster® Tips	
	KTAQ3	89005	RB Acetylene Regulator	ATQ3 Thruster® Tip	
	KTAQ3MC	89006	RMC Acetylene Regulator	ATQ3 Thruster® Tip	
	KTAQ34	89009	RB Acetylene Regulator	ATQ3, ATQ4+ Thruster® Tips	
<b>Screw Connect</b>	KTA23	89002	RB Acetylene Regulator	AT2, AT3 Thruster® Tips	<b>TH5</b> Screw Connect Handle with Fuel-Conserving Pilot Valve
	KTA23MC	89003	RMC Acetylene Regulator	AT2, AT3 Thruster® Tips	
	KTA3	89000	RB Acetylene Regulator	AT3 Thruster® Tip	
	KTA3MC	89001	RMC Acetylene Regulator	AT3 Thruster® Tip	
	KTA34	89004	RB Acetylene Regulator	AT3, AT4+ Thruster® Tips	

+ATQ4 and AT4 tips must be used with a 40 cu. ft. or larger cylinder and regulator delivery pressure set at 15 PSIG.  
Kits include H12 [12.5 ft.] Acetylene Hose, W05 Tank Key w/chain. Regulators fitted with protective rubber gauge boots.

	Part#	UPC#	Copper Tubing Capacity	
			Solder	Braze
<b>Quick Connect</b>	ATQ2	43135	1/8" to 1"	1/8" to 7/8"
	ATQ3	43136	5/8" to 3"	3/8" to 2 1/8"
	ATQ4+	43137	1 1/8" to 4"	7/8" to 3"
<b>Screw Connect</b>	AT2	43130	1/8" to 1"	1/8" to 7/8"
	AT3	43131	5/8" to 3"	3/8" to 2 1/8"
	AT4+	43132	1 1/8" to 4"	7/8" to 3"



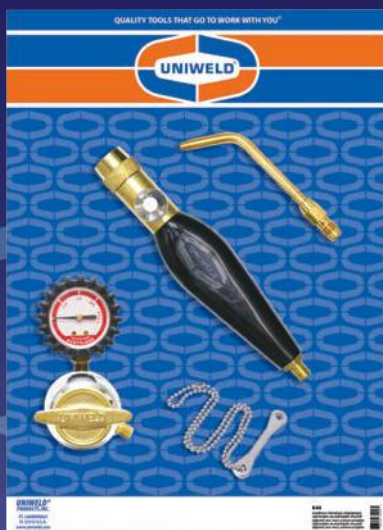




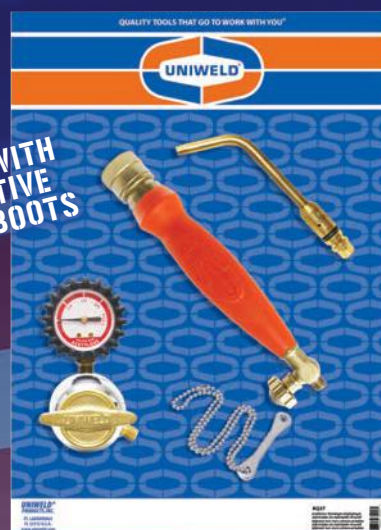
# Quick Connect and Screw Connect Soft Flame Kits/Tips

The Air/Acetylene Soft Flame has always been the "Old Reliable" flametool for plumbers, producing a precise 2700°F target heat. An excellent tool for soldering copper tubing.

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



**K40**



**KQ37**

GAUGES WITH  
PROTECTIVE  
RUBBER BOOTS

**Kits**

	Part#	UPC#	Regulator	Tips	Handle
<b>Screw Connect</b>	K37	89100	RB Acetylene Regulator	S23 Soft Flame Tip	TH3 Rear Control Valve
	K38	89101	RMC Acetylene Regulator	S23 Soft Flame Tip	TH3 Rear Control Valve
	K40	89102	RMC Acetylene Regulator	S23 Soft Flame Tip	TH9 Front Control Valve
	K41	89103	RB Acetylene Regulator	S23 Soft Flame Tip	TH9 Front Control Valve
<b>Quick Connect</b>	KQ37	89104	RB Acetylene Regulator	ASQ23 Soft Flame Tip	TH6 Rear Control Valve
	KQ38	89105	RMC Acetylene Regulator	ASQ23 Soft Flame Tip	TH6 Rear Control Valve

Kits Include H12 [12.5 ft.] Acetylene Hose, W05 Tank Key w/chain. Regulators fitted with protective rubber gauge boots.

**Tips**

<b>Screw Connect</b>	<b>S27</b>		<b>S23</b>	<b>ASQ26</b>		<b>ASQ25</b>	<b>ASQ24</b>		<b>Quick Connect</b>
	Part#	UPC#		Copper Tubing Capacity Solder	Braze		UPC#	Part#	
	S21	43141		1/16" to 1/8"	Up to 1/16"		43151	ASQ21	
	S22	43142		1/8" to 3/8"	Up to 1/8"		43152	ASQ22	
	S23	43143		3/16" to 1/2"	Up to 3/8"		43153	ASQ23	
	S24	43144		1/2" to 1"	Up to 1/2"		43154	ASQ24	
	S25	43145		3/4" to 1 1/2"	1/2" to 3/4"		43155	ASQ25	
	S26	43146		1" to 4"	3/4" to 1 1/2"		43156	ASQ26	
	S27	43147		1/8" to 3/8"	Up to 1/8"		43157	ASQ27	



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**2 Air/Acetylene**



## Air/Acetylene Screw Connect

# Specialty Tips

Select from a wide range of Specialty Tips that fit our air/fuel "screw connect" torch handles. This grouping includes our sensitive Halide Leak Detector with probe hose.

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

**ST07A HeatShrink  
Air/Acetylene Tip**  
9" Elbow with a 1.5" diameter  
burner tip end.

Soft wraparound  
flame for heat  
shrink work  
(UPC#43176)

**Halide Leak Detector  
Tip LD32 with probe  
hose for Air/Acetylene  
use (UPC#43200)**  
HO2-3  
3 ft. Probe Hose  
for LD32  
(UPC#43205)

**S28 Twin Flexible  
Air/Acetylene Tip**  
(UPC#43148)

8.75" Overall  
Length

4" Wide  
1.25"

**Acetylene Paint Burner PB29**  
Heavy Duty Forged Brass Burner: 2" wide flame  
for paint removal and tile cutting (UPC\$43190)

**Chisel Solder Iron SS37**  
For Acetylene (UPC#43180)

**Chisel Copper Head CH20**  
For Acetylene (UPC#43182)

**Pointed Solder Iron SS38**  
For Acetylene (UPC#43181)

**Pointed Copper Head CH32**  
For Acetylene (UPC#43183)



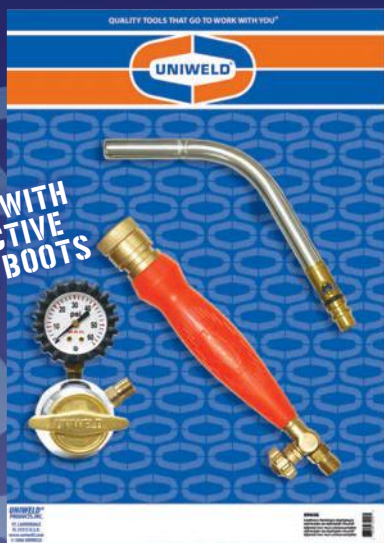


A Plumbing and Heating Favorite

# LP Twister® Kits

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The popular LP Twister® is a favorite tool among tradesmen in Plumbing and Heating. The Uniweld swirl combustion tips produce a high energy efficient flame for soldering that remains stable in windy conditions. The helical blade inside this tip efficiently premixes the fuel gas and air to deliver maximum combustion and fast heat transfer. Use this tip with Propane or MAP//Pro™ (Propylene) gas.



GAUGES WITH PROTECTIVE RUBBER BOOTS

89606

## TARGET HEAT

PROANE	1750 °F [954 °C]
MAP//Pro™ (Propylene)	2400 °F [1316 °C]

TARGET HEAT AREA  
THE MOST EFFICIENT AREA  
FOR HEAT TRANSFER.

Part#/UPC#

89606

89607

Regulator

RLPB L.P. Regulator  
CGA510

RLPB L.P. Regulator  
CGA510

Tips

T-4 Quick Connect

TS-4 Screw Connect

Handle

TH6B Rear Control Valve

TH3B Rear Control Valve

Kits include HLP14B [12.5 ft.] L. P. Gas Hose.  
Regulators fitted with protective rubber gauge boots.



LP Twister®  
Tips

Copper Tubing Capacity  
Propane Gas  
Solder  
Brazing  
MAP//Pro™ [Propylene] Gas  
Solder  
Brazing

Part#	UPC#	Solder	Propane Gas Brazing	MAP//Pro™ [Propylene] Gas Solder	MAP//Pro™ [Propylene] Gas Brazing	UPC#	Part#
Quick Connect	T-2	43030	1/8" to 1/4"	1/16" to 1/4"	1/8" to 1/2"	1/8" to 1/4"	43035 TS-2
	T-3	43031	1/4" to 1"	1/8" to 1/2"	1/4" to 1 1/2"	1/4" to 1/2"	43036 TS-3
	T-4	43032	1/4" to 1 1/2"	1/4" to 3/4"	1/4" to 2 1/2"	1/4" to 1 1/4"	43037 TS-4
	T-5	43033	1 1/2" to 2 1/2"	1/2" to 1 1/4"	1" to 4"	1/2" to 2"	43038 TS-5
							Screw Connect



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3 Air/LP



# Quick Connect and Screw Connect LP Thruster® Kits/Tips

Plumbers and Maintenance Repair Tradesmen prefer LP Thruster's proven efficiency and the availability of economical Propane. LP Thruster® tips have a built-in patented screen diffusion flame holder to maximize combustion. The flame is adjustable without tip burnout.

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

## TARGET HEAT

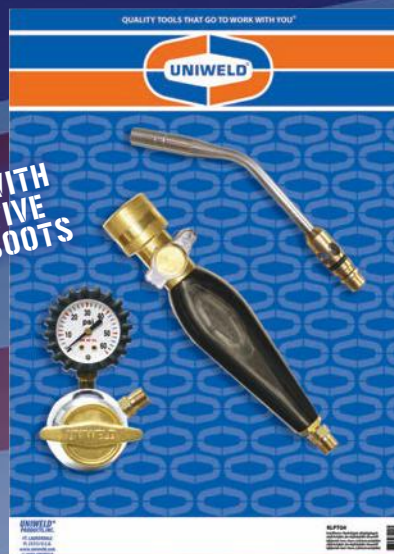


TARGET HEAT AREA  
THE MOST EFFICIENT AREA  
FOR HEAT TRANSFER.

Part# UPC#	KLPTQ4 89201	KLPT4 89200
Regulator	RLPB L.P. Regulator CGA510	RLPB L.P. Regulator CGA510
Tips	LPTQ4 Quick Connect	LPT4 Screw Connect
Handle	TH7B Rear Control Valve	TH5B Rear Control Valve

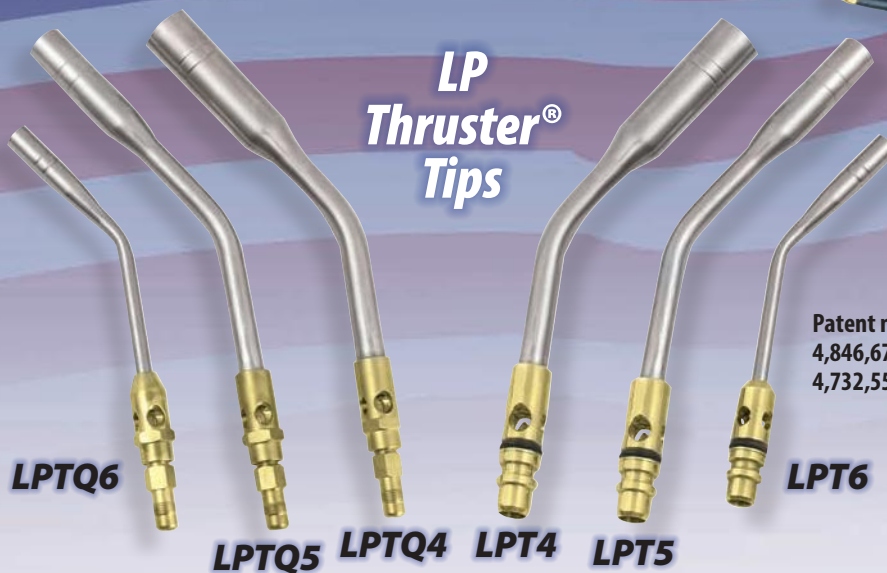
Kits include HLP14B [12.5 ft.] L. P. Gas Hose.  
Regulators fitted with protective rubber gauge boots.

GAUGES WITH  
PROTECTIVE  
RUBBER BOOTS



**KLPTQ4**

## LP Thruster® Tips



Patent numbers:  
4,846,670 and  
4,732,559

3 Air/LP

## Copper Tubing Capacity Propane Gas MAP//Pro™ [Propylene] Gas

	Part#	UPC#	Solder	Braze	Solder	Braze	UPC#	Part#	
Quick Connect	LPTQ4	43165	3/8" to 1"	1/4" to 5/8"	3/8" to 1 1/2"	3/8" to 1"	43160	LPT4	Screw Connect
	LPTQ5	43166	5/8" to 2 1/2"	5/8" to 1 3/8"	1" to 2 1/2"	1" to 2"	43161	LPT5	
	LPTQ6	43167	7/8" to 3"	7/8" to 2 1/8"	1 1/2" to 4"	1 1/2" to 3"	43162	LPT6	

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Portable Kit with Swivl-it Fitting

# LP Thruster® Kits

Lightweight, portable kits featuring "Swivl-it" fittings that eliminate hose kinking and wrist fatigue. Solder up to 1.5" and braze up to 1" copper tubing. Metal carrying stand holds two disposable cylinders.

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

## TARGET HEAT



TARGET HEAT AREA  
THE MOST EFFICIENT AREA  
FOR HEAT TRANSFER.



**KTSQ2**

Swivl-it  
Kits

Part#	UPC#	Regulator	Tips	Handle	Hose	Swivl-it™	Carrying Stand
KTS2	89208	RP3B	LPT4	TH5B	HLP14B	HCC39	512
KTSQ2	89205	RP3B	LPTQ4	TH7B	HLP14B	HCC39	512

Disposable cylinders not included in kits and are sold separately.

## 500,000 BTU Weed Burner Scorcher®

A Propane Gas Torch Kit with hundreds of uses, including weed burning, asphalt repair, ice melting, debris burning, fire ant mounds and roofing repairs. Hooks up to a standard 20 lb. Propane (barbeque) tank.

All Steel  
Handle

10' U.L.  
Listed  
Propane  
Hose with  
P.O.L.  
Safety  
Valve

Part# UPC# Description Hose Accessories

Scorcher®

WB500 00700 Weed Burner 10' w/P.O.L. Safety Valve Flint Lighter Included

Sold in units of 6 only.



Flint  
Lighter  
included



All Steel  
Torch Head



**WB500**

3 Air/LP



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**29**



*A Concentrated Heat Source*

# Pencil Point Flame Kits

**FOR U.S. JOBS**  
UNIWELO EMPLOYS OVER 300 WORKERS

The Pencil Point Flame Tip produces a stable, long center cone surrounded by small preheat flames for a concentrated heat source. Use with either Propane or MAP//Pro™ (Propylene) gas without changing the orifice. Solder up to 1.5" and braze up to 7/8" copper tubing.

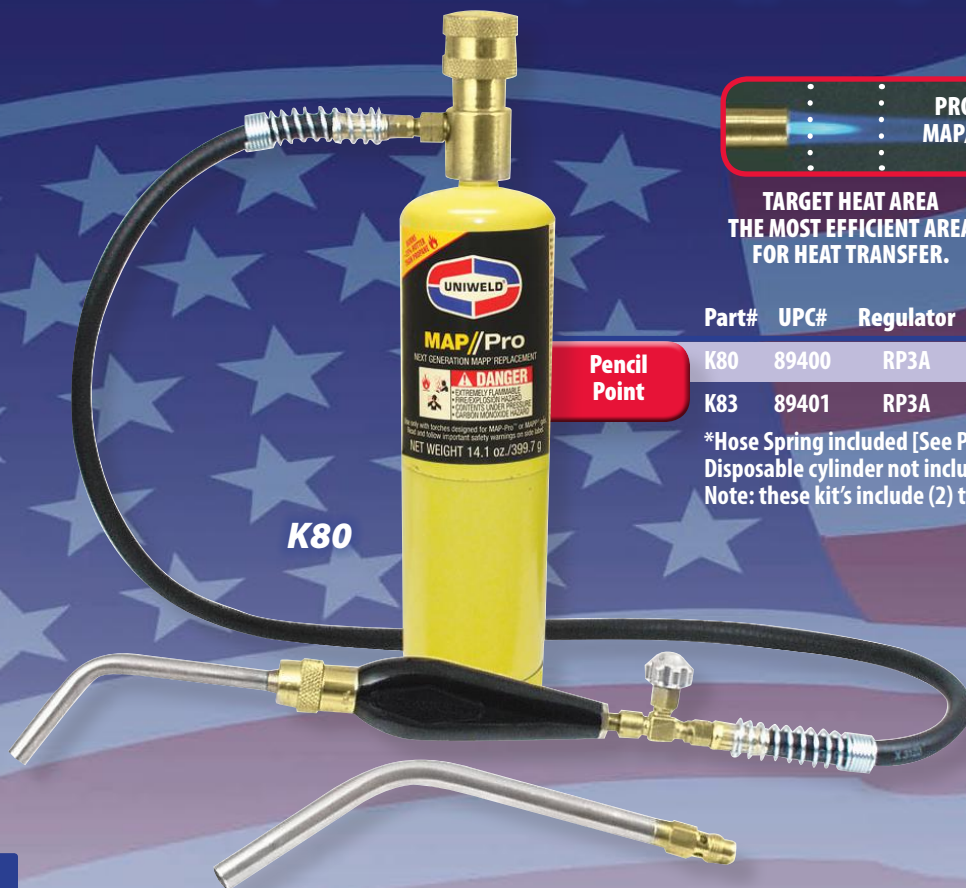
## TARGET HEAT

PROANE 1750 °F [954 °C]  
MAP//Pro™ 2400 °F [1316 °C]

TARGET HEAT AREA  
THE MOST EFFICIENT AREA  
FOR HEAT TRANSFER.

Part#	UPC#	Regulator	Tips	Handle	Hose
K80	89400	RP3A	SM36/SM38	TH3	HLP10SS-3 ft.* w/SHLP
K83	89401	RP3A	SM36/SM38	TH9	HLP11SS-6 ft.* w/SHLP

\*Hose Spring included [See Page 33].  
Disposable cylinder not included in kits and is sold separately.  
Note: these kit's include (2) tips SM36/SM38



**K80**

**Pencil Point  
Flame Tips**

**SM36**

**SM38**

## Copper Tubing Capacity

Part#	UPC#	Propane Gas		MAP//Pro™ [Propylene] Gas		Length
		Solder	Braze	Solder	Braze	
SM36	43170	1/8" to 3/8"	1/16" to 1/4"	1/8" to 1/2"	1/8" to 3/8"	6"
SM38	43171	1/4" to 1"	1/8" to 1/2"	1/8" to 1 1/2"	1/4" to 7/8"	9"

**Screw  
Connect**

**3  
Air/LP**

**30**



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*A Concentrated Heat Source*

# Heat Shrink Kits/Tips

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

These kits feature specifically designed tips for heat shrink tubing in the telecommunications field. You'll achieve a soft, wraparound flame that spreads the heat quickly and evenly without overheating.

The air and fuel gas mix produces a bright yellow, highly visible flame. Use with either Propane or MAP//Pro™ (Propylene) gas without having to change the orifice.



**KCA110**



**ST06MP**

**ST07MP**

	Part#	UPC#	Regulator	Tips	Handle	*Hose	Size
<b>Heat Shrink Kits</b>	KCA110	89300	RP3A	ST06MP	TH9	HLP11SS	1" O.D. Flame Shield
	KCA111	89301	RP3A	ST07MP	TH9	HLP11SS	1½" O.D. Flame Shield

\*6 ft. hose with SHLP Hose Spring [see page 35]. Disposable cylinder is not included in kits and is sold separately.

	Part#	UPC#	Description
<b>Heat Shrink Tips Screw Connect</b>	ST06MP	43175	Propane / MAP//Pro™ [Propylene] 9" elbow with a 1" O.D. Flame Shield
	ST07MP	43177	Propane / MAP//Pro™ [Propylene] 9" elbow with a 1½" O.D. Flame Shield
	ST07RSM	43178	Propane / MAP//Pro™ [Propylene] 7" elbow with a 1½" O.D. Flame Shield
	ST07A	43176	Acetylene 9" elbow with a 1½" O.D. Flame Shield

## Unitorch® Regulators

The safest available for disposable cylinders. A piston inside the regulator eliminates leakage problems. Operates in an upside down position (time, temperature and contents dependent).



**RP3A**

**RP3B**

**RP3E**

	Part#	UPC#	Description
<b>Unitorch® Regulators</b>	RP3A	43000	Unitorch® Regulator with "A" outlet fitting
	RP3B	43001	Unitorch® Regulator with "B" outlet fitting
	RP3E	43002	Unitorch® Regulator with 360° swivel elbow for use with UT2, UT3, UT4, UT5 and UT6 replacement tips



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**3 Air/LP**

**Thruster®, Twister®, Double & Triple Twister®**



# Hand Torches

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld Hand Torches are the right choice for small jobs in tight areas with limited access. These lightweight, portable flametools can be operated with Propane or MAP//Pro™ (Propylene). Hand torches are shipped on display cards or in clamshell packaging.

## PCV25 Pencil Flame Hand Torch

Adjustable pencil point flame for soldering copper tubing and thawing frozen pipes.

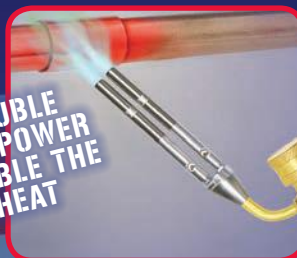


## RP3T5 Hand Torch

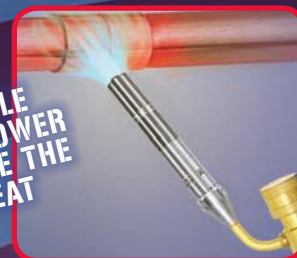
LP Twister® Tip utilizes swirl combustion technology to produce a high energy efficient flame. The flame remains stable in windy conditions. RP3E Unitorch Regulator with swivel elbow and UT5 Twister® Tip



DOUBLE  
THE POWER  
DOUBLE THE  
HEAT



TRIPLE  
THE POWER  
TRIPLE THE  
HEAT



## RP3T2 Hand Torch

UT2  
Double  
Twister®  
Tip



## RP3T3 Hand Torch

UT3  
Triple  
Twister®  
Tip



3 Air/LP

### Tubing Capacity

	Part#	UPC#	Propane		MAP//Pro™ [Propylene]		Replacement Tip
			Solder	Braze	Solder	Braze	
Hand Torches	PCV25	43210	Up to 7/8"	Up to 3/8"	Up to 1"	Up to 5/8"	N/A
	RP3T2	43007	Up to 3 1/2"	Up to 2"	Up to 4"	Up to 3"	UT2
	RP3T3	43008	Up to 4"	Up to 2 1/2"	Up to 6"	Up to 4"	UT3
	RP3T4*	43004	Up to 3"	Up to 1"	Up to 3 1/2"	Up to 1 3/4"	UT4*
	RP3T5	43005	Up to 3"	Up to 1"	Up to 3 1/2"	Up to 1 3/4"	UT5
	MKT-4L	89501	Up to 3"	Up to 1"	Up to 3 1/2"	Up to 1 3/4"	UT5

MKT-4L includes RP3T5 Hand Torch with [1] MAP//Pro™ disposable cylinder. Shipped in display box [6 per case].

\* LP Thruster® Tip with screen diffusion flame holder for flame adjustment without tip damage.



**MKT-4L**

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# Self-igniting Swirl Combustion Tips

## UNIWELD Hand Torches

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Uniweld Self-igniting Hand Torches eliminate the need for a flint lighter. Lightweight and portable, these flame tools can be operated with Propane or MAP//Pro™ (Propylene).

### TARGET HEAT

PROPANE 1750 °F [954 °C]  
MAP//Pro™ 2400 °F [1316 °C]  
(Propylene)

TARGET HEAT AREA  
THE MOST EFFICIENT AREA  
FOR HEAT TRANSFER.

Tip  
Swivels  
360°



Tip  
Swivels  
360°

Operates  
in any  
position,  
even  
upside  
down

Pull down  
on bullet  
casing to  
activate  
spark  
igniter

**RP3T6  
Silver Bullet®  
Hand Torch**

**UT6 LP Twister®  
Silver Bullet® Tip  
Stainless Steel  
and Aluminum  
construction**

**HT44  
Twister®2  
Hand Torch**

360°  
Swivel Tip  
Operates in  
any position,  
even upside  
down

**HT44TE  
Twister®  
swirl  
combustion  
Tip End**



Trigger Lock  
with Instant  
Safety Release

Full-size  
comfort grip



### Tubing Capacity

	Part#	UPC#	Propane		MAP//Pro™ [Propylene]		Replacement Tip
			Solder	Braze	Solder	Braze	
Hand Torches	RP3T6	43006	Up to 3"	Up to 1"	Up to 3½"	Up to 1¾"	UT6
	HT44	43216	Up to 3"	Up to 1"	Up to 4"	Up to 1¼"	HT44TE

Disposable cylinders not included and are sold separately.



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**3 Air/LP**



# Ergonomic, durable Torch Handles

**FOR U.S. JOBS**  
UNIWEELD EMPLOYS OVER 300 WORKERS

Rugged, ergonomically designed air/fuel torch handles provide you with better grip, balance and comfort. Handle options include screw connect or quick connect, "A" or "B" inlet connections and front or rear control valves.

## QUICK CONNECT HANDLES

**TUA Screw Connect**



Screw Connect  
Tip to Quick  
Connect Air/Fuel  
Handle Adaptor  
UPC#43120



**TH6**



**TH7**



**TH8**

## SCREW CONNECT HANDLES

**UTA Quick Connect**



Quick Connect  
Tip to Screw  
Connect Air/Fuel  
Handle Adaptor  
UPC#43121



**TH3**



**TH5**



**TH9**

**Air/Acetylene Gas "A"**  
**(3/8" -24) L.H. Inlet Connection**

	Part#	UPC#	
<b>Screw Connect</b>	TH3	43100	Rear Valve
	TH5	43105	Front Pilot Valve
	TH9	43113	Front Valve
<b>Quick Connect</b>	TH6	43107	Rear Valve
	TH7	43109	Front Pilot Valve
	TH8	43111	Front Valve

**Air/LP Gas "B"**  
**(9/16" -18) L.H. Inlet Connection**

	Part#	UPC#	
<b>Screw Connect</b>	TH3B	43101	Rear Valve
	TH5B	43106	Front Pilot Valve
	TH9B	43114	Front Valve
<b>Quick Connect</b>	TH6B	43108	Rear Valve
	TH7B	43110	Front Pilot Valve
	TH8B	43112	Front Valve





# "A", "B" and "AB" Connections



# Hoses

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

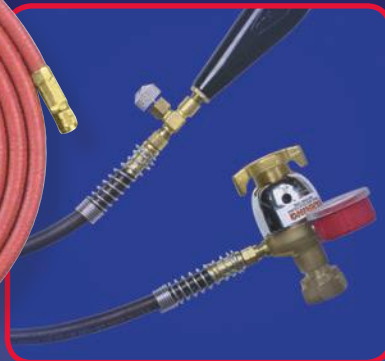
UniWeld flexible Oxyfuel Hoses are color coded, have 8-sided crimp ferrules and are capable of withstanding high working pressures for reliability and long work life.

**HLP14B**

## Hose Spring



**H32A**



**H12**

*Hose Spring (Part#SHLP) may be added to Acetylene or LP gas hoses by adding an (S) for one spring or (SS) for two springs (one @ each end) to the hose Part#. Example: H12S, H12SS/HLP14BS, HLP14BSS*

**4 Parts & Accessories**

Oxyacet. Twin Hose	Oxyacetylene Twin Hose $\frac{3}{16}$ " I.D., Max. W.P. 200 psi			
	Part#	UPC#	Length	Connection
	H32A	43510	12.5 ft.	"A"
	H32B	43512	12.5 ft.	"B"
	H32AB	43511	12.5 ft.	"AB**"
	H33A	43513	25 ft.	"A"
	H33B	43515	25 ft.	"B"
	H33AB	43514	25 ft.	"AB**"
	H34A	43516	50 ft.	"A"
	H34B	43517	50 ft.	"B"

\*\*"AB" - "A" fitted one end, "B" fitted opposite end

Acetylene Single Hose	Acetylene Single Hose $\frac{3}{16}$ " I.D., Max. W.P. 200 psi			
	Part#	UPC#	Length	Connection
	H11	43500	6 ft.	"A"
	H11B	43501	6 ft.	"B"
	H12	43502	12.5 ft.	"A"
	H12B	43503	12.5 ft.	"B"
	H13	43504	25 ft.	"A"
	H13B	43505	25 ft.	"B"

LP Gas Single Hose	LP Gas Single Hose $\frac{3}{16}$ " I.D., Max. W.P. 125 psi			
	Part#	UPC#	Length	Connection
	HLP10	43530	3 ft.	"A"
	HLP10B	43531	3 ft.	"B"
	HLP11	43533	6 ft.	"A"
	HLP11B	43534	6 ft.	"B"
	HLP13	43537	25 ft.	"A"
	HLP13B	43538	25 ft.	"B"
	HLP14	43541	12.5 ft.	"A"
	HLP14B	43542	12.5 ft.	"B"

Oxy/LP Grade "T" Twin Hose	Oxy/LP Gas Grade "T" Twin Hose $\frac{3}{16}$ " I.D., Max. W.P. 200 psi			
	Part#	UPC#	Length	Connection
	H32AT	43560	12.5 ft.	"A"
	H32BT	43561	12.5 ft.	"B"
	H32ABT	43562	12.5 ft.	"AB**"

\*\*"AB" - "A" fitted one end, "B" fitted opposite end



**H32AT**

Reference Information: "A" =  $\frac{3}{8}$ " - 24 "B" =  $\frac{9}{16}$ " - 18



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# "Patriot" Series Regulators

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Patriot Series Regulators feature protective rubber gauge boots, rear inlet service and various CGA cylinder connections. Specially compounded diaphragm and seat material provide accuracy and reliability. Listed.



**RMC2**

GAUGES WITH  
PROTECTIVE  
RUBBER BOOTS

## FV600 Oxy/Fuel Adapter

Fuel Valve Adapter to connect a Uniweld Acetylene MC Regulator (CGA200) to a disposable fuel cylinder (CGA600). All Uniweld Acetylene regulator diaphragms and seals are compatible for use with either Propylene (MAP//Pro™) or Propane

fuel gas. **WARNING!** Fuel compatibility with other manufacturer's Acetylene regulators must be determined prior to use. If not compatible, another option would be to replace the Acetylene regulator with an RP3A regulator.



**FV600**

The Uniweld 71 welding handle & Type17 Weld/Braze tips will work properly using either of the fuel gases combined with Oxygen. The CA550 cutting attachment will also work with either fuel gas. However, the cutting tip is fuel specific and must be changed (see page 16). Also, the Cap'n Hook® tips are fuel specific. (see page 19). It is recommended to use grade "T" hose (H32AT) with Propylene (MAP//Pro™) or Propane fuel gas. If using grade "R" hose (H32A) with Propylene (MAP//Pro™) or Propane fuel gas, it must never be used in extremely cold temperatures below -10 °F. This may cause the fuel gas to liquefy and act as a solvent that will attack the internal hose material. Always bleed off the remaining fuel gas in the hose after each use.

*There will be a noticeable performance and temperature difference when using Propylene (MAP//Pro™) versus Acetylene and an increase in oxygen consumption.*

Fuel	Temp °F	Ratio Oxy/Fuel
Acetylene	5589 °F	1-1
MAP//Pro™	5193 °F	3.5-1
Propane	4579 °F	4-1

*It is highly recommended to use a Type17-3 or larger tip for brazing 3/8" and 7/8" copper line sets.*







# "Mastar® and Centurion®" Series Regulators

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



GAUGES WITH  
PROTECTIVE  
RUBBER BOOTS



The economical, lightweight Centurion® Series Regulators feature rugged brass bodies. 1.5" gauges and protective rubber gauge boots.

UniWeld's top-of-the-line, single stage Mastar® Series Regulators have two 1.5" gauges, a 3" pressure adjusting "T" handle and protective rubber gauge boots. Listed

		Part#	UPC#	CGA Inlet	Outlet Connection	Delivery 1 1/2" Gauges/Contents	Delivery PSI
Centurion®	Oxygen	R0100	14100	540	"A" RH	[G49D] 100/4000 [G56D]	2-60
	Acetylene	RMC100	14102	200	"A" LH	[G15D] 30/Contents [G19D]	2-15
Mastar®	Oxygen	RSO	12100	540	"A" RH	[G49D] 100/4000 [G56D]	2-60
		RSOB	12101	540	"B" RH	[G49D] 100/4000 [G56D]	2-60
		12106	12106	540	"A" RH	[psi/kg] [G85-1D] 100/4000 [G82-1D]	2-60
		RSMC2	12102	200	"A" LH	[G15D] 30/Contents [G19D]	2-15
	Acetylene	RSMC2B	12103	200	"B" LH	[G15D] 30/Contents [G19D]	2-15
		RSB2	12104	520	"A" LH	[G15D] 30/Contents [G19D]	2-15
		RSB2B	12105	520	"B" LH	[G15D] 30/Contents [G19D]	2-15
		12107	12107	520	"A" LH	[psi/kg] [G79-1D] 30/400 [G73-1D]	2-15

All regulators with "A" [3/8" - 24] outlet fittings are available with "B" [9/16" - 18] outlet fittings. To order, add "B" to the Part Number. Pressure relief devices are not designed to protect downstream equipment.

## Replacement Gauges

1 1/2" Gauges [1/8" NPT] with Protective Rubber Boots

### Oxygen

G49D	100 psi, Steel Case
G56D	4000 psi, Steel Case

### Acetylene

G15D	30 psi, Steel Case, Red Line 15-30 psi
G19D	1/4, 1/2, 3/4, Full [Contents] Steel Case, [400 psi Max]

GB155 Protective Rubber Boot for all 1 1/2" Gauges [Pkg. of 2]



**G49D**



**G19D**

Gauge Part Numbers without D are individually boxed. Gauge Part Numbers with D denote hanging display packaging [D=pkg]. For complete replacement welding gauge information, refer to page 99.



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4 Parts & Accessories



# CGA Valve Connections

# Cylinders FOR U.S. JOBS

UNIWELD EMPLOYS OVER 300 WORKERS

## 4 Parts & Accessories

	Part#	Description		CGA200	VALVE	NIPPLE	NUT			
"MC" Tank	MC24	Nut	Acetylene	.625" - 20 NGO-R.H.						
	MC52	Nipple		7/16" - 20 UNF, 1 1/8" Long [R]						
	Used on: RMC Approx. 10 cu. ft. cylinder only									
"CA" Tank	Part#	Description		CGA300						
	8159-4	Nut	Acetylene	.830" - 14 NGO-R.H.						
	11A05	Nipple		7/16" - 20 UNF, 1 5/16" Long [R]						
	8112-3	Nipple		1/4" - 18 NPT, 1 5/16" Long [RUH]						
	Used on: R, RUH, RHG, RHT, RVT, MR									
"CE" Tank	Part#	Description		CGA320						
	8159-3	Nut	Carbon Dioxide	.830" - 14 NGO-R.H.						
	8312	Nipple		1/4" - 18 NPT, 2" Long						
	X09R	O-Ring		[Do not use with Gasket]						
	Used on: CEF, RUH, RHF, RHT, RV, RVT, RHFG, R1300 [CO <sub>2</sub> ] Use "O-Ring X09R only for 8312 Nipple, Not Gasket"									
	Part#	Description		CGA346						
	8959	Nut	Air	.830" - 14 NGO-R.H.						
	1805	Nipple		1/4" - 18 NPT, 2 1/2" Long						
	Used on: RV, RVT, RHT, RUH, R1800 Regulators									
	Part#	Description		CGA350						
8859	Nut	Hydrogen	.830" - 14 NGO-L.H.							
8812-2	Nipple		1/4" - 18 NPT, 2 1/2" Long							
Used on: RUH, RV, RVT, RHT Regulators										
"POL" Tank	Part#	Description		CGA510						
	8159-2	Nut	Acetylene and Fuel Gas	.880" - 14 NGO-L.H.						
	1205	Nipple		7/16" - 20 UNF 2 3/16" Long [R]						
	1205-2	Nipple		1/4" - 18 NPT, 2 13/32" Long [MR]						
	8112-2	Nipple		1/4" - 18 NPT, 3 3/16" Long [RV, RUH]						
	Used on: R, RUH, RHT, RHG, RV, RVT, MR Regulators CGA415 [ALC] [Canada only] on request									
	Part#	Description		CGA520						
"B" Tank	B10	Nut	Acetylene	.899" - 18 NGO-R.H.						
	B51	Nipple		7/16" - 20 UNF 1 1/4" Long [R]						
	RU12-2	Nipple		1/4" - 18 NPT, 2 3/8" Long [MR, RUH]						
	Used on: RB, RUH, MR, R Regulators Cylinder: 35-75 cu. ft. only									
"O" Tank	Part#	Description		CGA540						
	8059-2	Nut	Oxygen Only	.908" - 14 NGO-R.H.						
	1005-3*	Nipple		7/16" - 20 UNF 1 19/32" Long [R]						
	8012-2	Nipple		1/4" - 18 NPT, 2" Long [RV]						
	RU12	Nipple		1/4" - 18 NPT, 2 9/16" Long [RUH]						
	Used on: MR, RHG, RHT, RV, RVT, RUH Regulators; For Oxygen Service Only *1005 1/4" - 18NPT[R]									
	Part#	Description		CGA580						
"A" Tank	8759	Nut	Argon Helium Nitrogen	.960" - 14 NGO-R.H.						
	1205	Nipple		7/16" - 20 UNF 2 3/16" Long [R]						
	1205-2	Nipple		1/4" - 18 NPT, 2 13/32" Long [CEF]						
	8112-2	Nipple		1/4" - 18 NPT, 3 3/16" Long [RHF, RHFG]						
	Used on: RUH, RV, RVT, RHF, CEF, RHT, RHFG, R1500 [Ni], RAR, R15NI Regulators									
Alternative Connections: CGA590 [LH], CGA555 [LH] on Request				Source: Compressed Gas Assoc., Std. V-1, 1994						

Source: Compressed Gas Assoc., Std. V-1, 1994







# Cylinder to Regulator Adaptors **FOR U.S. JOBS**

UNIWELD EMPLOYS OVER 300 WORKERS

Part# F10X  
UPC# 43300  
CGA580 to  
CGA540



Part# F22X  
UPC# 43303  
CGA540 to  
CGA580



Part# F24X  
UPC# 43304  
CGA510 "POL"  
to CGA300 "CA"



Part# F25  
UPC# 43305  
CGA200 "MC" 90°  
to CGA510 "POL"



Part# F28  
UPC# 43306  
CGA300 "CA"  
to CGA510 "POL"



Part# F31  
UPC# 43307  
CGA520 "B" to  
CGA200 "MC"



Part# F33  
UPC# 43309  
CGA520 "B" 90°  
to CGA510 "POL"



Part# F32  
UPC# 43308  
CGA510 "POL"  
to CGA520 "B"



Part# F34  
UPC# 43310  
CGA200 "MC" 90°  
to CGA520 "B"



Part# F35  
UPC# 43311  
CGA300 "CA" to  
CGA520 "B"



Part# F36  
UPC# 43319  
CGA320 "CO2"  
to CGA580



Part# F37  
UPC# 43312  
CGA510 "POL" to  
CGA200 "MC"



Part# F38  
UPC# 43313  
CGA300 "CA" to  
CGA200 "MC"



Part# F50  
UPC# 43315  
CGA520 "B" 90°  
to CGA520 "B"



Part# F41  
UPC# 43314  
CGA200 "MC" to  
CGA520 "B"



Part# F60  
UPC# 43316  
CGA410 Fitting to  
CGA510 "POL"



Part# F61X  
UPC# 43317  
CGA520 "B" to  
CGA300 "CA"



BRASS HOSE CLAMPS



HOSE NIPPLE

## Hose Fittings



HOSE NUT



HOSE SPLICE [Push Type]

Part#	UPC#	HOSE I.D.
HC01	43376	3/16"
HC02	43377	1/4"

Part#	UPC#	Nipple Size	Hose Nut
HN83P	43370	3/16"	"A"
HN87	43371	3/16"	"B"
HN84	43372	1/4"	"B"

Part#	UPC#	Hose Nut	to Nipple Size
HN82A	43348	"A" RH	3/16"
HN83A	43349	"A" LH	3/16"
9059	43350	"B" RH	1/4" or 3/16"
9059-2	43351	"B" LH	1/4" or 3/16"

Part#	UPC#	Hose to Hose
HS53	43373	1/4" to 1/4"
HS54	43374	3/16" to 1/4"
HS55	43375	3/16" to 3/16"

"A" to "B"  
Outlet Adaptor



Part#	UPC#	Regulator	To Hose
F27L	43320	"A" Conn LH	"B" Hose Nut LH
F27R	43321	"A" Conn RH	"B" Hose Nut RH

"A" to "B"  
Outlet Adaptor



Part#	UPC#	Regulator	To Hose
F58L	43325	"A" Conn LH	"B" Hose Nut LH
F58R	43326	"A" Conn RH	"B" Hose Nut RH

"B" to "A"  
Outlet Adaptor



Part#	UPC#	Regulator	To Hose
F59L	43327	"B" Conn LH	"A" Hose Nut LH
F59R	43328	"B" Conn RH	"A" Hose Nut RH

## Adaptor and Connectors

"A" to "B" Welding Handle Adaptor

Part#	UPC#	Handle to Hose
F29L	43322	"A" Conn LH "B" Hose Nut LH
F29R	43324	"A" Conn RH "B" Hose Nut RH

Hose Coupling

Part#	UPC#	Hose Nut	to Hose Nut
HCC40	43342	"A" LH	"A" LH
HCC46	43343	"A" LH	"B" LH
HCC41	43344	"A" RH	"A" RH
HCC79	43345	"B" LH	"B" LH
HCC47	43346	"A" RH	"B" RH
HCC78	43347	"B" RH	"B" RH



Part# UPC# Inlet to Outlet

"A" Size "Y" Outlet Adaptor			
FY11XA	43332	"A" LH	"A" Hose Nut LH
FY10XA	43331	"A" RH	"A" Hose Nut RH

"Y" Connectors w/Valves

FY10XAV	43334	"A" RH	"A" Hose Nut RH
FY11XAV	43335	"A" LH	"A" Hose Nut LH
FY10XV	43336	"B" RH	"B" Hose Nut RH
FY11XV	43337	"B" LH	"B" Hose Nut LH

"B" Size "Y" Connectors

FY11X	43330	"B" LH	"B" Hose Nut LH
FY10X	43329	"B" RH	"B" Hose Nut RH



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4 Parts & Accessories



# Disposable and Refillable Cylinders & Tanks

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

## 4 Parts & Accessories



	Part#	UPC#	Approx. Cap. cu. ft.	O.D. Inches	Height w/valves Inches	Weight Lbs.	CGA Connection
Acetylene	MC	40032	10.00	4.00	15.00	8.00	200
	B	40033	40.00	6.00	23.25	25.5	520
Oxygen	R	40034	20.00	5.25	18.5	12.7	540
	R40	40035	40.00	7.00	22.5	32.00	540
Nitrogen	N20	40036	20.00	5.25	18.5	12.7	580
	N40	40037	40.00	7.00	22.5	32.00	580
	N60	40041	60.00	7.00	27.00	39.00	580
*MAP//Pro™	MDC	40030	14.1 oz.	3.00	11.00	2.00	600
*Propane	PDC	40031	14.1 oz.	3.00	11.00	1.75	600

All tanks are shipped empty. • \*Sold in case lot quantity only - 12 per case. - Disposable Propane and MAP//Pro™ cylinders are shipped full and meet DOT 39NRC specifications. MAP//Pro™ is a trademark of Worthington Industries.



**TGCMC**

Protect yourself against shortages  
by checking the cylinder contents  
with a Test Gauge.

Reading of Contents:

- Oxygen Pressure 1800-2200 PSI
- Acetylene Pressure 1/4, 1/2, 3/4 or FULL
- Nitrogen Pressure 1800-2200 PSI



Part#	UPC#	Description
TGCB	41250	"B" Tank Test Gauge
TGCMC	41251	"MC" Tank Test Gauge
TGCN	41252	Nitrogen Tank Test Gauge
TGCO	41253	Oxygen Tank Test Gauge

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Plastic and Metal

# Carrying Stands

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The rugged Uniweld line of Carrying Stands and Cylinder Trucks provides convenience, portability and organization. All blue enameled steel models feature fitted hand grips and hose holders. The center-balanced blue plastic tote has storage space for cylinders, hoses and accessories.

**515** Holds [1] "N20" Nitrogen tank

**516** Holds [1] "N40" Nitrogen tank

**502** Holds [1] "B" tank

**504** Holds [1] "MC" or "B" tank and [1] "R-Oxy" or "R40" tank

**517** Holds [1] "N60" Nitrogen tank

**500S** Holds [1] "MC" tank and [1] "R-Oxy" tank

**512** Holds [2] Disposable Cylinders or [1] "MC" tank

**510** Holds [1] "MC" tank or [2] Disposable Cylinders and [1] "R-Oxy" tank

**511** Holds [1] "MC" tank (or [1] Disposable Cylinder) and [1] "R-Oxy" tank

**503** Holds [1] "B" tank and [1] "R-Oxy" tank

Part#	UPC#	Description
500S	30001	Carrying stand for [1] "MC" tank & [1] "R-Oxy" tank w/utility tray & brazing rod holder
502	30003	Carrying stand for [1] "B" tank w/utility tray & Air/Fuel handle holder
503	30004	Carrying stand with wheels for [1] "B" tank & [1] "R-Oxy" tank
504	30005	Carrying stand with wheels for [1] "MC" or "B" tank & [1] "R-Oxy" or "R40" tank
510	30007	Carrying stand with utility tray for [1] "MC" tank or [2] disposable fuel cylinders and [1] "R-Oxy" tank
511	30008	Molded blue plastic carrying stand for [1] "MC" tank or [1] disposable fuel cylinder and [1] "R-Oxy" tank
512	30009	Carrying stand for [2] disposable fuel cylinders or [1] "MC" tank w/utility tray and Air/Fuel handle holder
515	30012	Nitrogen carrying stand for [1] 20 cu. ft. Nitrogen tank
516	30013	Nitrogen carrying stand for [1] 40 cu. ft. Nitrogen tank
517	30014	Nitrogen carrying stand with wheels for [1] 60 cu. ft. tank

**4 Parts & Accessories**



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## Wrenches/Goggles/Tip Cleaners



# Accessories

Complete selection of combination wrenches for most fittings and connections.

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

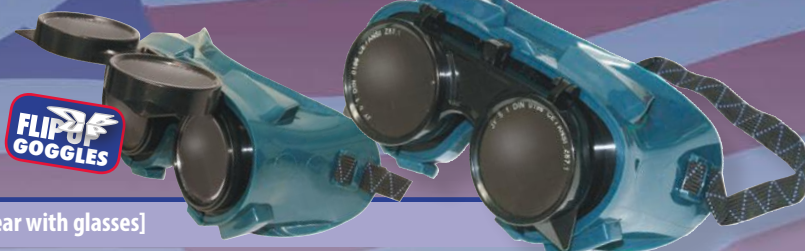


### 4 Parts & Accessories

#### Wrenches

Part#	UPC#	Description
W05	43408	Tank key with security chain, fits B and MC tanks
W06	43409	6 way wrench for torches, cylinders and hose connections
W10X	43411	10 way wrench for torches, cylinders and hose connections
W94	43410	B & MC combination wrench for cylinders, torches and "A" size hose nuts

Welding Goggles featuring flip-up #5 tinted lenses and molded-in air vents.



#### Goggles

Part#	UPC#	Description
WG53	43402	Welding Goggles [type to wear with glasses]

**WG53**

Aluminum case with tip cleaning data stamped on back. Rust-proof, stainless steel, roll-formed spiral wires. Exclusive LOCK-IN-KNOT on small wires. Tapered pilot ends will not damage tip orifices. A hardened steel file is included. The longer spirals clean a larger number of tip styles.

#### Tip Cleaners

Part#	UPC#	Description
TCSD	26060	Standard sizes 75-49
TCJD	26062	Jumbo sizes 48-30
TCMD	26064	Master sizes 75-30
TCPD	26061	Propane sizes 67-49, plus 3 blades for spline cleaning
TCLD	26063	Xtra Long sizes 75-49

Part#s with D denote hanging display packaging







# Flint Lighters/Tool Box Accessories

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

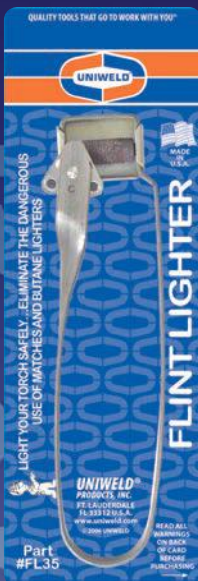
The Uniweld line of accessories shown here and on pages 44 and 45, includes all the "extras" you'll need to work better, faster and safer.



**FL34**



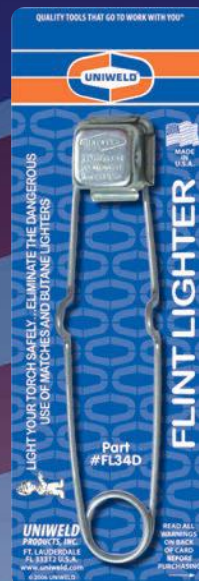
**FL3437**



**FL35**



**FL3437TC**



**FL34D**



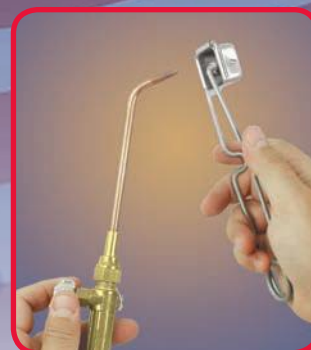
**FL36**



**FL37**



Use Uniweld Flint Lighters to ignite your flame torches. Two styles available. Flint Renewals for both styles in stock.



**4 Parts & Accessories**

**Flint  
Lighters**

**Tool Box**

Part#	UPC#	Description
FL34	43404	Flint lighter [boxed: 10 units]
FL34D	43437	Flint lighter on display card
FL3437	43403	Flint lighter with 5 flint renewals on card
FL3437TC	43419	Tip cleaner set and flint lighter with 5 flint renewals
FL35	43406	Triple flint lighter on display card
FL36	43407	One 3 flint renewal unit for FL35 lighter
FL37	43405	5 Flint renewal unit for FL34 lighter
CC61	43413	Plastic tool box 12.5" Long x 7" Wide x 5" Deep



**CC61**



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**43**





# Flashback Arrestors/Check Valves/Fittings



# Accessories

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Flashback Arrestors quench backfire and flashback at the torch or regulator. Uniweld's Flashback Arrestors also have built-in check valves to prevent reverse flow of gases. They are color coded: Green [Oxygen]; Red [Fuel Gas] and are available for torches and regulators.



**RFAB**



**TFAA**



**TFAB**

**Flashback Arrestors**  
**Single Oxygen**  
**Single Fuel**

**Set of [2] on card**  
**[1] Oxy & [1] Fuel**

3/8" - 24 "A" Fitting				9/16" - 18 "B" Fitting*			
Regulator		Torch		Regulator		Torch	
Part#	UPC#	Part#	UPC#	Part#	UPC#	Part#	UPC#
RFAM100	10211	TFAM100	04061	RFA100	10206	TFA100	04056
RFAM101	10212	TFAM101	04062	RFA101	10207	TFA101	04057
RFAA	10210	TFAA	04060	RFAB	10205	TFAB	04055

Available for torch and regulator. Flashback arrestors installed at the torch help protect the technician and at the regulator, help protect the equipment. \*UL Listed

## Check Valves



**RVCB**

Check Valves provide protection against reverse flow of gases, but not flame flashback. Uniweld's Check Valves conform to OSHA safety standards, [\*UL Listed]. They're easy to install, test and service. Color coded: Green [Oxygen]; Red [Fuel Gas].

Check Valves	3/8" - 24 "A" Fitting		9/16" - 18 "B" Fitting*	
	Part#	UPC#	Part#	UPC#
Single Oxygen	TCV10	02651	RCV100	10201
Single Fuel	TCV11	02652	RCV101	10202
Set of [2] on card	TCVA	02650	RCVB	10200
[1] Oxy & [1] Fuel			TCVB	04050

Check valves should be tested regularly for leakage and flow. Check valves on regulators give best service life. \*\* For "A" outlet regulators, use adaptor F58R or F58L [ see page 39] to connect "B" size regulator check valves on small portable outfits. \*UL Listed

## Swiv-it™ Fittings



**HCC38**

**Swiv-it Fittings**

Part#	UPC#	Description
HCC38	43338	3/8" - 24, A-LH, Fuel Gas
HCC38-0	43339	3/8" - 24, A-RH, Oxygen
HCC39	43340	9/16" - 18, B-LH, Fuel Gas
HCC39-0	43341	9/16" - 18, B-RH, Oxygen

- Prevent hose kinks and wrist strain
- Straight pull will uncoil the hoses
- 180° movement on twin hose
- Prevent loosening of hose fittings
- 360° movement on all single hoses
- Pressure tested
- Use on torch or regulator



**360° Swivel**



# Heat Sink Paste/Flame Barrier/Heat Guard



# Accessories

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

Cool Blue™ Heat Sink Paste protects the rubber and plastic seals in ball valves, solenoid valves, reversing valves and heat sensitive materials. To prevent overheating, a heat transfer cool indicator has been added. As the paste absorbs heat, it changes to a dark blue.

Safe to use, non-toxic, harmless to skin and odorless. Easy to clean: wipe with cloth or wash with water.

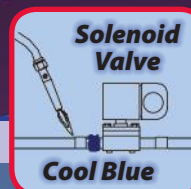
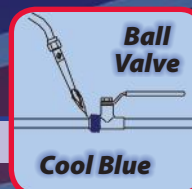


91861

FLIP-TOP CAP

Cool Blue

Part#	UPC#	Description
91861	91861	Cool Blue™ Heat Sink Paste [Shipped in units of 12 only]



PROTECT  
SHEETROCK,  
INSULATION,  
WOOD, WIRING  
AND PAINT



FB12

## Flame Barrier

A fire resistant material that provides a protective barrier between flammable surfaces and open flames when soldering and brazing. Prevent costly fire damage to wood surfaces, wiring, sheetrock, paint and other surfaces. Flame Barrier will keep its structural integrity up to 2700°F with a melting temperature of 3200°F.

Part# UPC# Description

Flame Barrier

FB12 43230 Flame Barrier 12" x 12"



## Heat Guard

A double layer of stainless steel creates an air gap that guards the surrounding work area against fire damage. The Heat Guard wraps around the pipe, increasing the heat concentration, even in windy conditions. The Heat Guard clips onto the following Uniweld tips: UT4, UT5, UT6, HT44, A11, AS11, T-4, TS-4, LPT4, LPTQ4.



HG-4

Part# UPC# Description

Heat Guard

HG4 43015 Steel Heat Guard



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4 Parts & Accessories



# Residential/Commercial Vacuum Pumps

## HUMM-VAC®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The Uniweld *exclusive* HUMM-VAC® Pumps remove moisture and dehydrate a system quickly and efficiently. The all-metal, heavy duty chassis; powerful, quiet running dual voltage motor; lighter weight and ergonomically designed features make these pumps the #1 choice to go to work with you.



### Pump Specifications

### HVP6

### HVP8

### HVP12

<b>HUMM-VAC® Pumps</b>  *Optional Int'l Power Cord Available on request	Free Air Displacement	6.0 CFM, 170 liter/min	8.0 CFM, 226 liter/min.	12.0 CFM 340 liter/min.
	Number of Stages	2-Stage Rotary Vane	2-Stage Rotary Vane	2-Stage Rotary Vane
	Factory Micron Rating	15 Microns	15 Microns	15 Microns
	3-Way Intake Fittings	1/4" & 3/8" Male Flare; 1/2" Acme	1/4", 3/8" & 1/2" Male Flare	1/4", 3/8" & 1/2" Male Flare
	Thermal Overload Protection	1/2 HP	3/4 HP	3/4 HP
	Voltage	110/220V - 50/60Hz	110/220V - 50/60Hz	110/220V - 50/60Hz
	Oil Capacity	1 Quart [946ml]	31.3 Ounces [925 ml]	27.7 Ounces [820 ml]
	Power Cord*	72" [1.83m], U.S. -Type B Plug	72" [1.83m], U.S. -Type B Plug	72" [1.83m], U.S. -Type B Plug
	Dimensions	14.50" x 6.875" x 10.75" 36.83 cm x 17.46 cm x 27.30 cm	15.0" x 6.875" x 10.75" 38.1 cm x 17.46 cm x 27.3 cm	15.0" x 6.875" x 10.75" 38.1 cm x 17.46 cm x 27.3 cm
	Weight	26 lbs. [11.80 kg]	34 lbs. [15.42 kg]	35 lbs. [15.88 kg]
	Shipping Weight	30 lbs. [13.60 kg]	38 lbs. [17.24 kg]	39 lbs. [17.70 kg]
	Color	Yellow	Red	Black





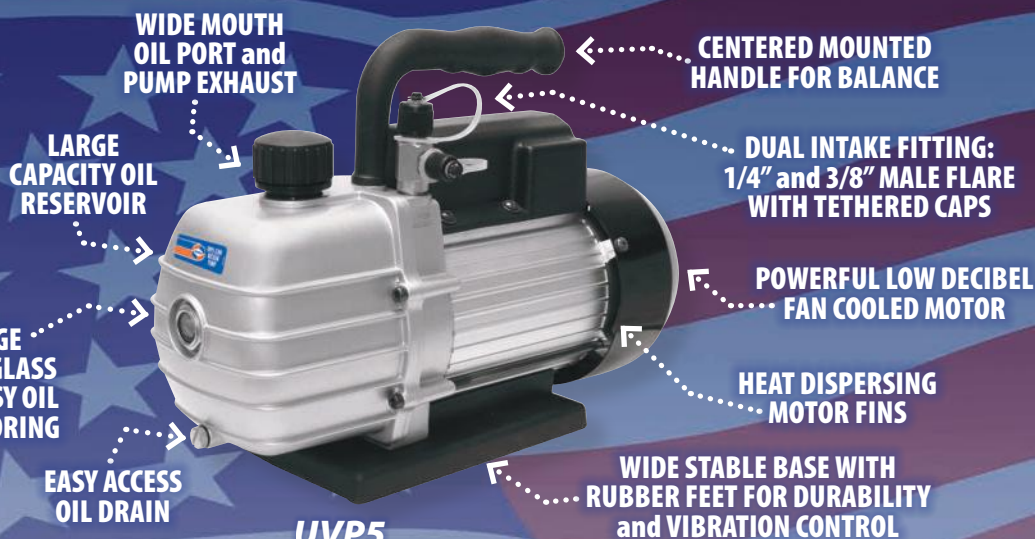
5.5 CFM/1.5 CFM



# Vacuum Pumps

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

UniWeld's high-performance UVP5 Vacuum Pump has been designed and engineered to provide you with reliable service and the latest in vacuum pump technology. The UVP5 (5.5CFM) pump is built for deep vacuum service on automotive, residential and commercial A/C systems using CFC, HCFC, and HFC refrigerants in conjunction with mineral oil, ester oil, alkybenzene oil and PAG oil as lubricants.



**UVP5**

Part#	Free Air Displacement CFM L/Min	Number of Stages	Factory Micron Rating	Intake Fittings [SAE]	Motor H.P.	Motor RPM	Voltage	Power Cord 72" [1.83m] Plug Type	Oil Capacity	Dimensions Inches [cm] L W H	Weight Lbs. [Kg] Net Shi
<b>UVP5</b>	5.5 155	2	15	1/4" and 3/8" Male Flare	1/2	3440	115V 60Hz	U.S. -Type B	15.22 Oz. [450 ml]	13.9 5.5 10.2 [35.3] [14] [26]	22.05 25.20 [10] [11.4]
<b>UVP5-220</b>	4.66 132	2	15	1/4" and 3/8" Male Flare	1/2	2880	220V 50Hz	Europe -Type F	15.22 Oz. [450 ml]	13.9 5.5 10.2 [35.3] [14] [26]	22.05 25.20 [10] [11.4]

## Ductless Mini-Split 1.5 CFM Vacuum Pump

The UVP1.5 (1.5CFM) pump is built for deep vacuum service on Ductless Mini-Splits and Automotive A/C Systems. A reliable mini-pump providing the latest in vacuum pump technology.



**UVP1.5**

Part#	Free Air Displacement CFM L/Min	Number of Stages	Factory Micron Rating	Intake Fittings [SAE]	Motor H.P.	Voltage	Power Cord 72" [1.83m] Plug Type	Oil Capacity	Dimensions Inches [cm] L W H	Weight Lbs. [Kg] Net Ship
<b>UVP1.5-110</b>	1.43 40.5	2	38	1/4" Male Flare and 1/2" Acme	1/4	110V 50/60Hz	U.S. -Type B	4.7 Oz. [140 ml]	10.23 3.5 6.4 [26.0] [9.0] [16.5]	10 14 [4.5] [6.3]
<b>UVP1.5-220</b>	1.43 40.5	2	38	1/4" Male Flare and 1/2" Acme	1/4	220V 50/60Hz	Europe -Type F	4.7 Oz. [140 ml]	10.23 3.5 6.4 [26.0] [9.0] [16.5]	10 14 [4.5] [6.3]



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# Replacement Parts for HVP6, HVP8, HVP12, UVP5 and UVP1.5



# Vacuum Pumps

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



Ref# Part# Description

1	42250	Exhaust Dome with O-Ring for UVP1.5 & UVP5 [Thread Conn. M27 x 1.5]
2	42251	Exhaust Dome with O-Ring for HVP6, HVP8 & HVP12 [Thread Conn. M27 x 1.5]
3	42252	Oil Drain Fitting with O-Ring for HVP6, HVP8 & HVP12
4	42253	Gas Ballast with O-Ring for HVP6, HVP8 & HVP12
5A	42277	Intake Fit. [1/4" X 1/2" Acme X 3/8"] w/Tethered Caps for HVP6
5B	42278	Intake Fit. [1/4" X 3/8" X 1/2"] w/Tethered Caps for HVP8 & HVP12
6	42257	Chassis Base with Bolt [Set of Two] HVP6
6	42258	Chassis Base with Bolt [Set of Two] HVP8
6	42259	Chassis Base with Bolt [Set of Two] HVP12
7	42260	Base Rubber Feet with Bolt and Washer [set of two] for HVP6, HVP8 & HVP12
8	42261	Electrical On/Off Rocker Switch for HVP6, HVP8 & HVP12
9	42262	Voltage Slide Switch for HVP6, HVP8 & HVP12
10	42263	Power Box Outlet for HVP6, HVP8 & HVP12
11	42264	6' Power Cord (U.S.-Type B Plug) for HVP6, HVP8 & HVP12
12	42265	Handle w/Rubber Grip + [4 bolts] HVP6
12	42266	Handle w/Rubber Grip + [4 bolts] HVP8
12	42267	Handle w/Rubber Grip + [4 bolts] HVP12

Ref# Part# Description

13	42274	Oil Reservoir w/Slight Glass + [4bolts] HVP6
13	42275	Oil Reservoir w/Slight Glass + [4bolts] HVP8
13	42276	Oil Reservoir w/Sight Glass + [4 bolts] HVP12
14	42280	Oil Reservoir w/Sight Glass + [4 bolts] UVP5
15A	42281	Intake Fittings [1/4" & 3/8"] w/Tethered Caps, Ball, Snap Rings & Filter for UVP5
15B	VP87	Intake Fittings [1/4" & 1/2" ACME ] w/Tethered Caps for UVP1.5
16	42282	Oil Drain Fitting with O-Ring for UVP5 & UVP1.5
17	42283	Platform Base with Rubber Feet for UVP5
18	42284	Handle for UVP5
19A	42285	Electrical On/Off Rocker Switch for UVP5
19B	VP86	Electrical On/Off Rocker Switch for UVP1.5
20	42286	Metal Fan Cover for UVP5
21A	42288	6' Power Cord (U.S. - Type B Plug) for UVP5 & UVP1.5
22B	42289	6' Power Cord (EUROPE - Type F Plug) for UVP5 & UVP1.5-220
23	42268	Black Plastic Power Box for HVP6, HVP8 & HVP12
24	42269	Black Plastic Power Box for UVP5
25	42313	Motor Start Capacitor for UVP5, HVP6, HVP8 & HVP12

## Humm-Vac Repair Kits

HVP6RK Kit Includes: (2) Back Rotary Vane (17x23), (2) Front Rotary Vane (28x23), (4) Rotary Vane Spring, (1) Trap Intake O-Ring, Red, (1) Trestle Trap O-Ring, (1) Shaft Seal, (1) Oil Reservoir O-Ring, (2) Exhaust Valve

HVP8RK Kit Includes: (2) Back Rotary Vane (17x26), (2) Front Rotary Vane (30x26), (4) Rotary Vane Spring, (1) Trap Intake O-Ring, Red, (1) Trap Intake O-Ring, Black, (1) Trestle Trap O-Ring, (1) Shaft Seal, (1) Oil Reservoir O-Ring, (3) Exhaust Valve

HVP12RK Kit Includes: (2) Back Rotary Vane (17x26), (2) Front Rotary Vane (40x26), (4) Rotary Vane Spring, (1) Trap Intake O-Ring, Red, (1) Trap Intake O-Ring, Black, (1) Trestle Trap O-Ring, (1) Shaft Seal, (1) Oil Reservoir O-Ring, (3) Exhaust Valve

## Vacuum Pump Oil

UniWeld's Vacuum Pump Oil is refined with excellent thermal stability for maximum efficiency in any vacuum pump. For maximum pump performance, it is recommended that the oil be changed after every evacuation. Severely hydrotreated paraffinic ISO Viscosity Grade 46.



Part#	Description	Part#	Description
Vacuum Pump Oil	42005 1 Quart [946 ml]	42006	1 Gallon [3.78 L]







## A/C & R System Evacuation

# MaxEvac Kit and Valve Core Removal

The MaxEvac Kit creates a closed system with unrestricted flow for fast, efficient evacuation of an A/C & R system. This kit includes two Valve Core Removal Tools used to remove the access-fitting valve core for unrestricted evacuation and also to isolate the micron gauge to accurately check the system for vacuum. Compatible with all refrigerants, including R-410A.

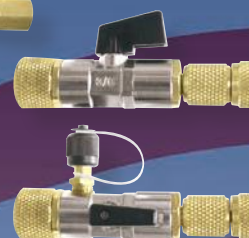
**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

### MaxEvac Kit



#### Part# Description

92822	MaxEvac Kit Includes One of Each: 92825, 92838, H06A404A
92869	R-410A Mini Split MaxEvac Kit Includes One of Each: 92867, 92868 and H06A404A
H06A404A	6" Micron Gauge Vacuum Service Hose, 1/4" F.F. X L45, Black



### Valve Core Removal

Remove and replace valve cores without losing the system's refrigerant charge using UniWeld's Valve Core Removal Tool. Now you can temporarily remove valve cores for unrestricted line flow, providing faster recovery, evacuation and recharge of a system. The 3/8" full flow ball valve, with positive 1/4 turn on/off, swivels 360° for easy access to the system service valves. Attach and isolate a micron gauge at the system using the Valve Core Removal Tool with 1/4" side port adaptor. Compatible with all refrigerants, including R-410A.



**Valve Core Removal Tool with Extractor Rod**



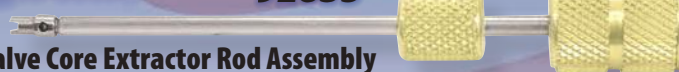
**Valve Core Removal Tool with Extractor Rod and 1/4" Side Port Fitting**

**Long Valve Core Extractor Rod Assembly (use with Part# 92829)**

#### Part# Description

92825	Valve Core Removal Tool [1/4"]
92829	R-134a Automotive Adaptors, 1 each [High Side and Low Side]
92832	R-134a Automotive Valve Core Removal Tool Kit includes one of each: 92825, 92829 and 92835
92835	Long Valve Core Extractor Rod Assembly with Storage Compartment
92838	Valve Core Removal Tool with 1/4" Side Port Fitting
92867	R-410A Mini Split 5/16" Valve Core Removal Tool
92868	R-410A Mini Split 5/16" Valve Core Removal Tool with 1/4" Side Port Fitting

**92835**



**92834**

**Valve Core Extractor Rod Assembly**



**92829**



**R-134a Automotive Adaptors (requires Part# 92835)**



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**49**

**5 HVAC/R Tools**



## Electronic Refrigerant Scale



# ChargeTron®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Now you can accurately weigh and transfer refrigerant to and from the A/C system. You will be working with a compact, battery powered, portable (7.2 lbs) workstation that has the cast aluminum scale built right into its high impact plastic carrying case. The optional charging module plugs into the scale to automatically transfer a preset amount of refrigerant.

LCD DISPLAYS  
POUNDS/OUNCES OR  
KILOGRAMS/GRAMS

OPTIONAL CHARGING MODULE



PART #53651 HAS  
ADDITIONAL 120V AC  
POWER OUTLET



53650

5 HVAC/R Tools

<b>Tare Weight:</b>	Zeros out scale at any time.
<b>Power:</b>	9 Volt Alkaline Battery. Auto power off: after 15 minutes of operation without any change in weight, scale turns off. Approximately 48 hours battery life. Optional A/C Power Adaptor.
<b>Two Weight Capacities:</b>	110 lbs. [50 Kg] or 176 lbs. [80 Kg]
<b>Accuracy:</b>	At 110 lbs./50 Kg Capacity: $\pm 0.2$ oz./10g • At 176 lbs./80 Kg Capacity: $\pm 0.5$ oz./20g
<b>Weight:</b>	7.2 lbs. [3.26 Kg]
<b>Dimensions:</b>	15" X 13" X 3 3/8" [38cm x 28cm x 8.5cm]
<b>Operating Temperature:</b>	32 °F to 120 °F [0 °C to 50 °C]
<b>Case:</b>	Rugged Plastic Carrying Case with a built-in handle.
<b>Platform Size:</b>	9" X 9" [23cm x 23cm] Ribbed Rubber Mat.

<b>Optional Accessories:</b>	Part# 53651 Automatic Charging Module. Compatible with all refrigerants including R-410A. Maximum working pressure: 300 psi.
	Part# 53654 Automatic Charging Module. 220V model [no additional power outlet] Compatible with all refrigerants, including R-410A. Maximum working pressure: 300 psi
	Part# 53652 120V AC Power Adapter connects to ChargeTron® Refrigerant Scale.

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## Visible Vapor Charging Device



# Vapor-Vue®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Absorbs heat naturally and flashes the liquid refrigerant from the cylinder and charges into the system as a vapor. Connecting the Vapor-Vue® to the low side of your charging manifold will increase the charging rate up to 8 times faster and the liquid is controlled by adjusting the manifold valve and monitoring the vapor rate through the double sight glass. Vapor-Vue® is factory pressure tested at 800 psi and can be used to charge any refrigeration & air conditioning system using R-410A, CFC, HCFC & HFC; Zeotropic and Azeotropic refrigerants without the danger of liquid slugging and damaging the compressor. Placing the manifold & Vapor-Vue® over hot discharge airflow of the condensing unit will increase the heat exchange and charging rate efficiency. Patent Pending.



**VV1**

Part#	Description
VV1	Vapor-Vue with 1/4" Flare Fittings - HVAC/R

Liquid Refrigerant to Vapor



Reseatable Pressure Relief Valve  
Patent# 8,181,665

## A/C Flush Kit

The A/C Flush Kit is ideal for system flushing after compressor burnouts and will remove contaminants, moisture and acid from the evaporator and condenser. It is also used during retrofits and flushing R-22 line sets for R-410A conversions. The R-22 mineral oil based system is not compatible with the R-410A ester oil based system.

Special design features include:

- Pressure Relief Valve that opens at 180 to 190 PSI to protect the cylinder and equipment from overpressure.
- Blowgun with rubber tip nozzle for copper tubing 3/8" to 1 1/8" O.D.
- Reusable canister holds up to 18 oz.

Part#	Description
94184	A/C System Flush Kit
H2SSM	24" Service Hose
FG24A	A/C Rubber Tip Nozzle with 1/8" M.P.T. Fitting
BG1ACA	Blowgun with A/C Rubber Tip Nozzle

**94184**



Automotive A/C Flush Kit also available (see page 70)

## Actuating Valve

For use on disposable flush solvent cylinders with 1/2"-16 Acme connection. Safety Check valve built in the 1/4" M.F. outlet connection prevents pressurizing the disposable cylinder.



**AV25H**



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## 2 Valve Aluminum Manifold with 3 1/8" NPF® Gauges



# SPIRIT™ R-410A/R-22/R-404A/R-134a Manifold

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

COLOR CODED GAUGE BOOTS



R-410A/R-22  
R-404A/R-134a  
3 1/8" Replacement  
Gauges  
#G429ND Red,  
Pressure  
#G430ND Blue,  
Compound

**USAM**

The all new SPIRIT MANIFOLD! designed and built right here in the U.S.A., proudly emphasizes the quality and the superior workmanship that signifies American Made. Lightweight extruded aluminum body and easy-grip handles for positive control; double O-ring piston valve for long reliable service; easy access front hose holders; large easy-to-read 3 1/8" steel case NPF™ gauges with color-coded protective boots; 5' High Pressure Soft Magic® Barrier Hose set with optional EZ-Turn anti-blowback or ball valve fittings.

5 HVAC/R Tools



Part#	UPC#	Description
<b>USAM</b>	49200	2-Valve Aluminum Manifold [No Hoses]
<b>USAM3HEZ</b>	49211	2-Valve Aluminum Manifold with 3ft. EZ-Turn Anti-Blowback Hose Set
<b>USAM5HEZ</b>	49212	2-Valve Aluminum Manifold with 5ft. EZ-Turn Anti-Blowback Hose Set
<b>USAM6HEZ</b>	49213	2-Valve Aluminum Manifold with 6ft. EZ-Turn Anti-Blowback Hose Set
<b>USAM3HBV</b>	49271	2-Valve Aluminum Manifold with 3ft. Ball Valve Hose Set
<b>USAM5HBV</b>	49272	2-Valve Aluminum Manifold with 5ft. Ball Valve Hose Set
<b>USAM6HBV</b>	49273	2-Valve Aluminum Manifold with 6ft. Ball Valve Hose Set

Other pressure and temperature scales are available upon request.

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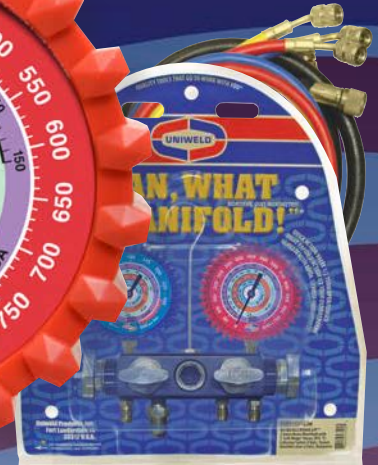
4 Valve Aluminum Manifold with 3 1/8" NPF® Gauges

# Man, What a Manifold®

R-410A/R-22/R-404A/R-134a

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

Lens Plug  
for easy  
zero reset



Q4N85SMA



Q4N8

NPF®  
Silicone  
Dampened  
Movement



Anodized aircraft aluminum block body with 4 ports for charging, evacuating and testing a system without changing or removing hoses • 3/8" SAE port increases vacuum capacity and saves time • Optical sight glass for monitoring refrigerant • Durable, brazed brass T-handles provide smooth, precise adjustments • NPF® No Pointer Flutter® 3 1/8" gauges with color coded refrigerant scales and color coded gauge boots • High Pressure Soft Magic® Barrier Hoses [available with optional EZ-Turn anti-blowback fittings]. Man, What a Manifold!

Part# UPC# Description R-410A/R-22/R-404A/R-134a- PSI/°F

Q4N8

48700

4-Valve Aluminum Manifold [No Hoses]

Q4N85SM

48701

4-Valve Aluminum Manifold with 5ft. Soft Magic® Barrier Hose Set

Q4N85MEZ

48721

4-Valve Aluminum Manifold with 5ft. Soft Magic® Barrier EZ-Turn Anti-Blowback Hose Set

Other pressure and temperature scales are available upon request.



R-410A/R-22/R-404A/R-134a  
Replacement Gauges 3 1/8" [80mm]  
#G429ND Red, Pressure  
#G430ND Blue, Compound



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**53**

**5 HVAC/R Tools**





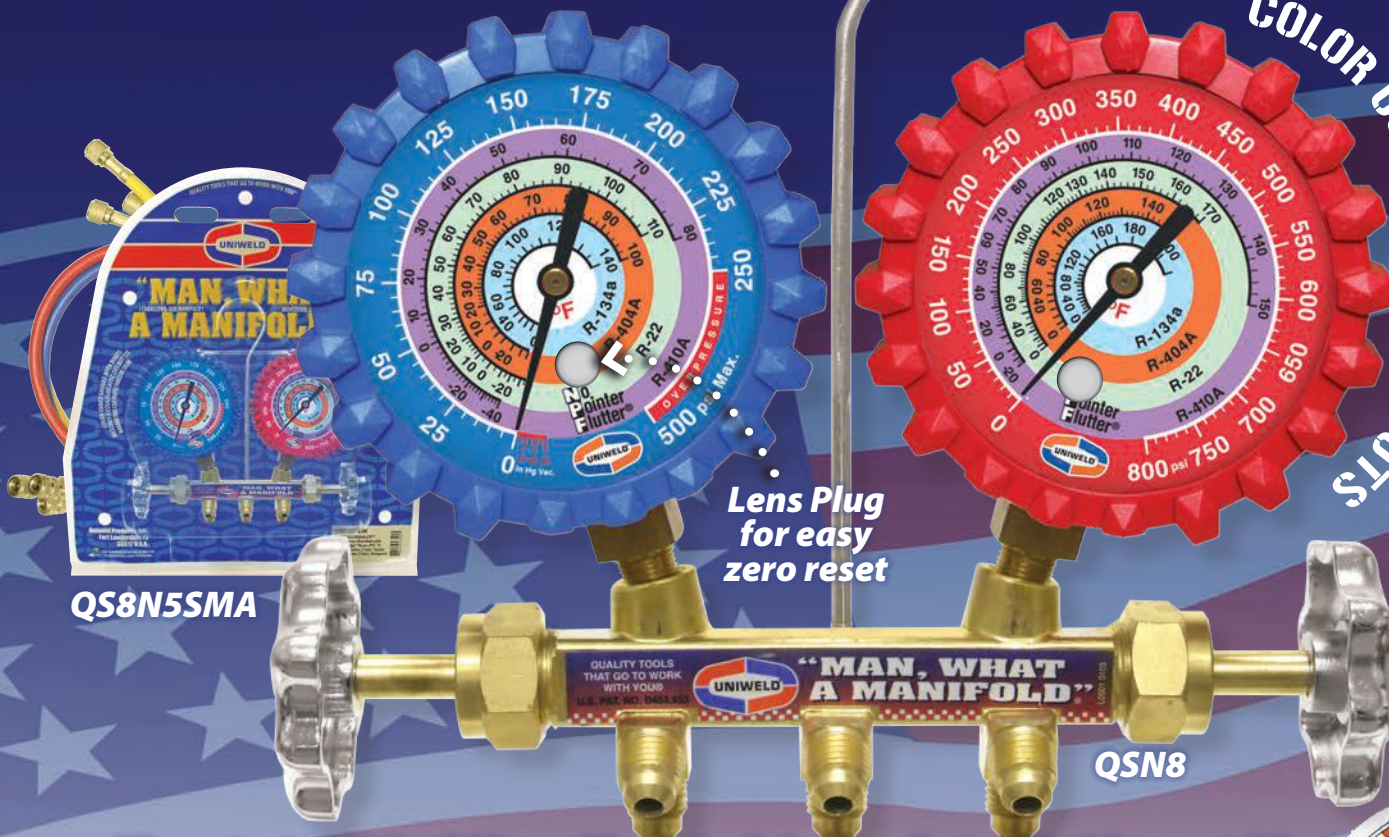
2 Valve Brass Manifold with 3 1/8" NPF® Gauges

# Man, What a Manifold®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

R-410A/R-22/R-404A/R-134a

COLOR CODED GAUGE BOOTS



Lens Plug  
for easy  
zero reset

QS8

The patented Uniweld forged brass body is manufactured with reseatable Teflon® valve stem packing for durability and leakproof reliability. These user-friendly, accurate, manifolds feature:

- NPF® No Pointer Flutter® 3 1/8", easy-to-read gauges with color coded refrigerant scales and color coded gauge boots
- Metal [not plastic] hand wheels
- Extended valve stems for ample knuckle clearance
- Quick action valve assembly for 1/2 turn fully open or fully closed
- Convenient 45° front hose holders
- High Pressure Soft Magic® Barrier Hoses with EZ-Turn anti-blowback fittings. Man, What a Manifold!



**NPF®**  
**Silicone**  
**Dampened**  
**Movement**

5 HVAC/R Tools



Part#	UPC#	Description	R-410A/R-22/R-404A/R-134a-PSI/°F
QS8N	48600	2-Valve Brass Manifold [No Hoses]	
QS8N3SMEZ	48671	2-Valve Brass Manifold with 3ft. EZ-Turn Anti-Blowback Hose Set	
QS8N5SMEZ	48672	2-Valve Brass Manifold with 5ft. EZ-Turn Anti-Blowback Hose Set	
QS8N6SMEZ	48673	2-Valve Brass Manifold with 6ft. EZ-Turn Anti-Blowback Hose Set	

Other pressure and temperature scales are available upon request.

R-410A/R-22/R-404A/R-134a  
Replacement Gauges 3 1/8" [80mm]  
#G429ND Red, Pressure  
#G430ND Blue, Compound

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2 Valve Brass Manifold with 2½" LPF™ Gauges

# Man, What a Manifold®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

**COLOR CODED  
GAUGE BOOTS**

**R-410A/R-22/R-404A**



**QS4L5H**



**QS4L**



**Vapor-Vue® Charging  
Device connects to  
low side (see page 51)**

The patented Uniweld forged brass body is manufactured with reseatable Teflon® valve stem packing for durability and leakproof reliability. This user-friendly, accurate, manifold features: • Limited Pointer Flutter™, easy-to-read 2½" gauges with color coded refrigerant scales and color coded gauge boots • Metal [not plastic] hand wheels • Extended valve stems for ample knuckle clearance • Quick action valve assembly for ½ turn fully open or fully closed • Convenient 45° front hose holders • High Pressure Soft Magic® Barrier Hoses (available with optional EZ-Turn anti-blowback fittings). Man, What a Manifold!

**Part# UPC# Description R-410A/R-22/R-404A-PSI/°F**

<b>QS4L</b>	<b>47500</b>	<b>2-Valve Brass Manifold [No Hoses]</b>
<b>QS4L3H</b>	<b>47501</b>	<b>2-Valve Brass Manifold with 3ft. Soft Magic® Barrier Hose Set</b>
<b>QS4L5H</b>	<b>47502</b>	<b>2-Valve Brass Manifold with 5ft. Soft Magic® Barrier Hose Set</b>
<b>QS4L6H</b>	<b>47503</b>	<b>2-Valve Brass Manifold with 6ft. Soft Magic® Barrier Hose Set</b>
<b>QS4L3HEZ</b>	<b>47411</b>	<b>2-Valve Brass Manifold with 3ft. Soft Magic® Barrier EZ-Turn Anti-Blowback Hose Set</b>
<b>QS4L5HEZ</b>	<b>47412</b>	<b>2-Valve Brass Manifold with 5ft. Soft Magic® Barrier EZ-Turn Anti-Blowback Hose Set</b>
<b>QS4L6HEZ</b>	<b>47413</b>	<b>2-Valve Brass Manifold with 6ft. Soft Magic® Barrier EZ-Turn Anti-Blowback Hose Set</b>

Other pressure and temperature scales are available upon request.



**R-410A/R-22/R-404A  
Replacement Gauges  
#G529LD Red, Pressure  
#G530LD Blue, Compound**



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**5 HVAC/R Tools**





2 Valve Brass Manifold with 2½" LPF™ Gauges

# Man, What a Manifold®

R-22/R-404A/R-134a

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

COLOR CODED GAUGE BOOTS



QAL5SM

QAL

The patented Uniweld forged brass body is manufactured with reseatable Teflon® valve stem packing for durability and leakproof reliability. This user-friendly, accurate, manifold features: • Limited Pointer Flutter™, easy-to-read 2½" gauges with color coded refrigerant scales and color coded gauge boots • Metal [not plastic] hand wheels • Extended valve stems for ample knuckle clearance • Quick action valve assembly for ½ turn fully open or fully closed • Convenient 45° front hose holders • High Pressure Soft Magic® Barrier Hoses (available with optional EZ-Turn anti-blowback fittings). Man, What a Manifold!

5 HVAC/R Tools

Part#	UPC#	Description	R-22/R-404A/R-134a-PSI/°F
QAL	45050	2-V Brass Manifold [No Hoses]	
QAL3SM	48001	2-V Brass Manifold with 3ft. Soft Magic® Hose Set	
QAL5SM	48002	2-V Brass Manifold with 5ft. Soft Magic® Hose Set	
QAL6SM	48003	2-V Brass Manifold with 6ft. Soft Magic® Hose Set	
QAL3SMEZ	48171	2-V Brass Manifold with 3ft. Soft Magic® EZ-Turn Anti-Blowback Hose Set	
QAL5SMEZ	48172	2-V Brass Manifold with 5ft. Soft Magic® EZ-Turn Anti-Blowback Hose Set	
QAL6SMEZ	48173	2-V Brass Manifold with 6ft. Soft Magic® EZ-Turn Anti-Blowback Hose Set	



R-22/R-404A/R-134a  
Replacement Gauges  
#G29LD Red, Pressure  
#G30LD Blue, Compound

Other pressure and temperature scales are available upon request.

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## Replacement Parts for 2 Valve and 4 Valve Manifolds



# Man, What a Manifold®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

### 2 Valve Brass Manifold Replacement Parts

**QVK-2**  
Manifold Valve Repair Kit  
[2] Teflon Washers  
[2] Teflon Valve Seats

**MW2**  
Metal Hand Wheel  
(Pkg. of 2)

Valve  
Packing  
Nut

Teflon  
Washer  
(Packing)

Brass  
Packing  
Washer

Steel  
Washer

Valve  
Stem

Teflon  
Valve  
Seat

Forged Brass Body  
with Hanging Hook

**QA200A**  
Complete Metal Handle and  
Valve Stem Assembly

U.S. Patent No. D453,953

Replacement Gauges  
(See pages 58-59)

U.S. Patent No.  
6,094,983

### 4 Valve Aluminum Manifold Replacement Parts

**Q422-2A**  
Low Side  
Handle  
Assembly

**Q422-4A**  
Vacuum  
Handle  
Assembly

Replacement Gauges  
(See pages 58-59)

**10005**  
Hose  
Fitting  
1/4" SAE

**1393-3**  
Hose  
Fitting  
3/8" SAE

**46025**  
Sight Glass  
Repair Kit (4 pcs.)  
Use 9/16" Hex Wrench

**Q414K** Valve Seal Repair Kit

**Q408A** Hose Bracket Assembly

**Q422A**  
High Side  
Handle  
Assembly

**Q422-3A**  
Refrigerant  
Handle  
Assembly

**100X51A4**  
Hanging Hook and  
Nut Assembly

### 2 Valve SPIRIT Manifold Replacement Parts

Replacement Gauges  
(See pages 58-59)

Extruded  
Aluminum Body

**SPR3K**  
Complete  
Metal Handle  
and Valve Stem  
Assembly

**10005**  
Hose  
Fittings  
1/4" SAE

**100X51A4**  
Hanging Hook and  
Nut Assembly

**EVX38**  
Retaining Ring  
(Pkg. of 2)

**SPR3A**  
Valve Stem  
Assembly

Screw  
Lock  
Washer



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**5 HVAC/R Tools**



## Manifold Replacement Gauges

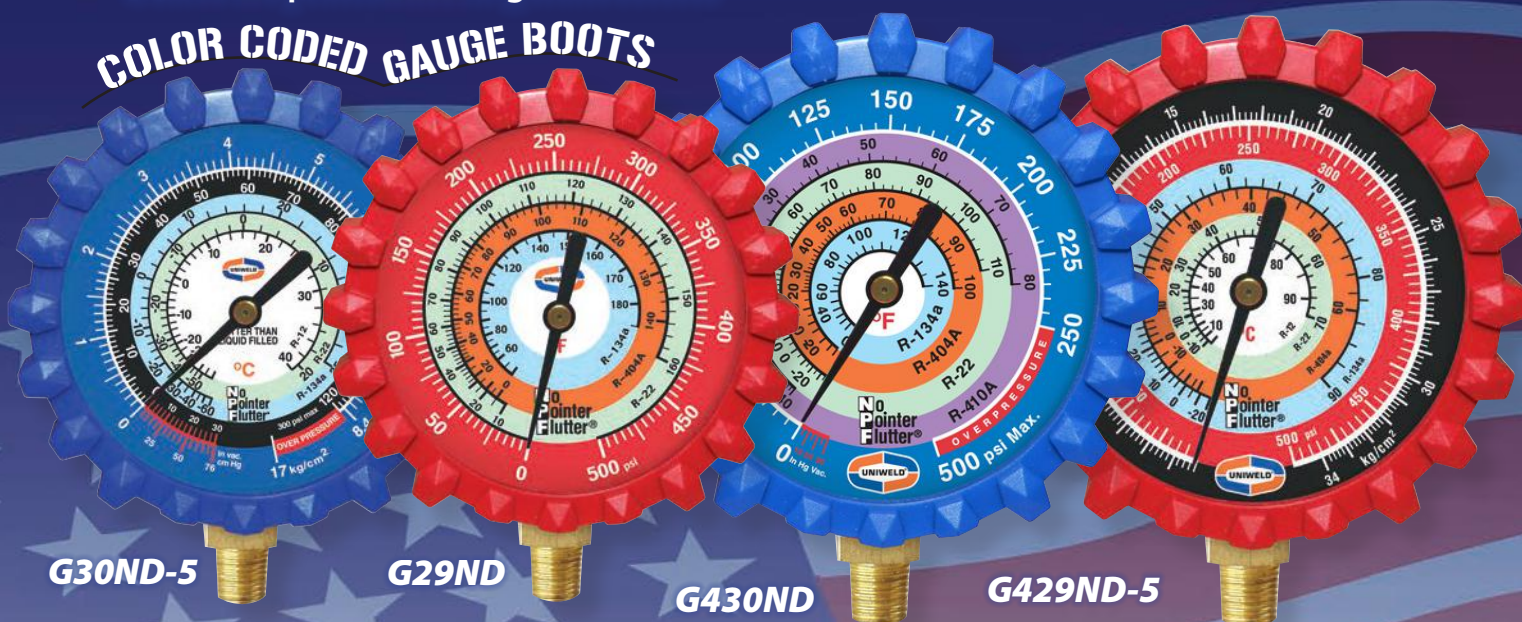


# NPF® Gauges

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The original NPF® No Pointer Flutter® Gauges that provide steady and accurate pressure readings. The encapsulated silicone dampened movement seldom needs recalibration. The gauge is guaranteed not to leak fluid and not to lose dampening characteristics. Scales are printed in refrigerant colors.

### COLOR CODED GAUGE BOOTS



G30ND-5

G29ND

G430ND

G429ND-5



Competitor's  
"Vibration Free"  
Gauge



UniWeld's  
NPF® Gauge

Size	Refrigerant Pressure/Temperature Scale	Color Coded Case Red Pressure Part#	Blue Compound Part#	Brass Case Pressure Part#	Compound Part#
2 1/2"	<b>R-134a/R-22/R-404A</b> PSI °F	G29ND	G30ND	G29NBD	G30NBD
	<b>R-134a/R-22/R-12</b> PSI-kg/cm <sup>2</sup> -°F PSI-kg/cm <sup>2</sup> -°C	G29ND-1 G29ND-5	G30ND-1 G30ND-5	G29NBD-1 G29NBD-5	G30NBD-1 G30NBD-5
	<b>R-410A/R-22/R-404A</b> PSI °F	G529ND	G530ND	G529NBD	G530NBD
	<b>R-134a/R-12 [Automotive]</b> PSI-°F	G409NSAD	G410NSAD		
3 1/8" [80mm]	<b>R-410A/R-22/R-404A/R-134a</b> PSI-°F	G429ND	G430ND		
	<b>R-134a/R-404A/R-22/R-12</b> PSI - kg/cm <sup>2</sup> °C	G429ND-5	G430ND-5		



**NPF®  
Silicone  
Dampened  
Movement**

### Replacement Parts

Part#	UPC#	Description
CF25	51018	2 1/2" Clear Front Lens w/ Plug
CF80	51019	3 1/8" [80mm] Clear Front Lens w/ Plug
GB25S	51027	2 1/2" Protective Gauge Boots, Pkg. [1] Red, [1] Blue
GB80S	51028	3 1/8" [80mm] Protective Gauge Boots, Pkg. [1] Red, [1] Blue
PL25	51004	2 1/2" Posi-Lock Replacement Lens



GB80S





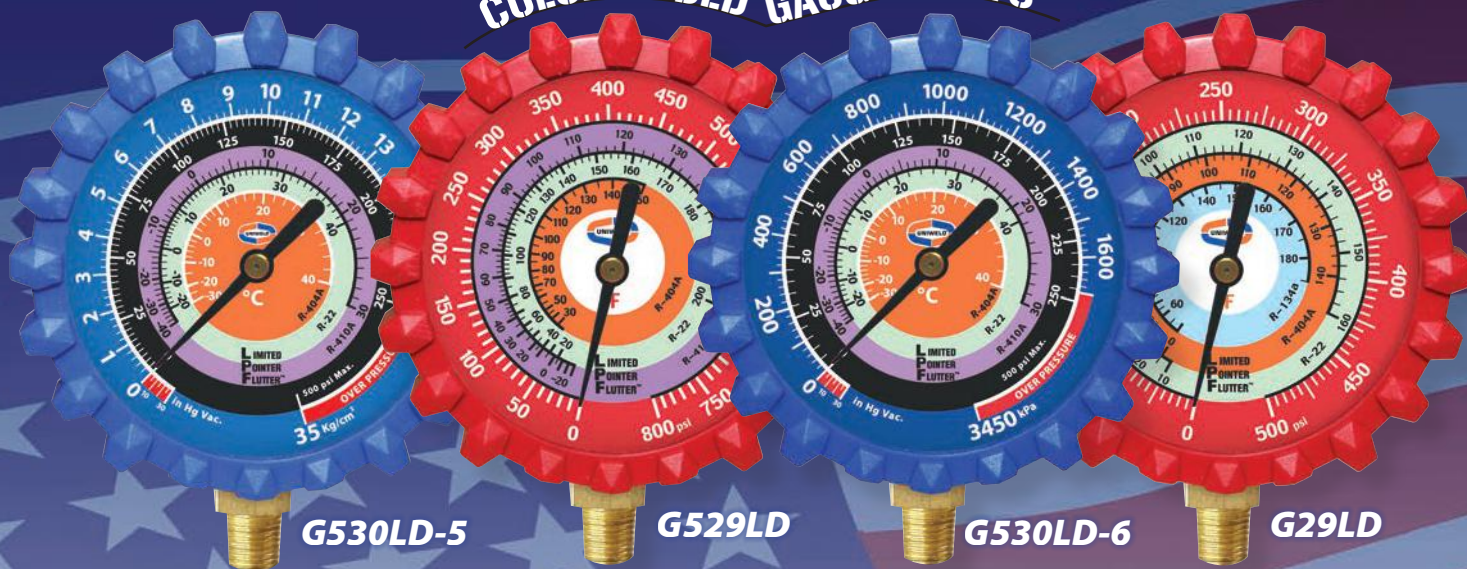
## Manifold Replacement Gauges

# LPF™ Gauges

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld's 2 1/2" LPF™ Limited Pointer Flutter™ Gauges with large, easy-to-read dial faces provide improved accuracy of pressure readings. Features include a high torque hair spring movement and a special pulsation dampener.

### COLOR CODED GAUGE BOOTS



**G530LD-5**

**G529LD**

**G530LD-6**

**G29LD**

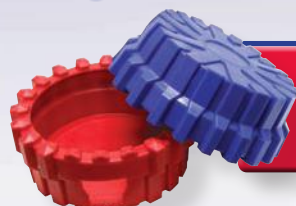


Competitor's  
"Vibration Free"  
Gauge



UniWeld's  
LPF™ Gauge

Size	Refrigerant Pressure/Temperature Scale	Color Coded Case		Brass Case	
		Red Pressure Part#	Blue Compound Part#	Pressure Part#	Compound Part#
2 1/2"	<b>R-22/R-404A/R-134a</b>				
	PSI °F	G29LD	G30LD	G29D	G30D
	<b>R-134a /R-12/R-22</b>				
	PSI-Kg/cm <sup>2</sup> -°F	G29LD-1	G30LD-1	G29D-1	G30D-1
	PSI-Kg/cm <sup>2</sup> -°C	G29LD-5	G30LD-5	G29D-5	G30D-5
	<b>R-410A/R-22/R-404A</b>				
	PSI °F	G529LD	G530LD	G529D	G530D
	PSI-Kg/cm <sup>2</sup> -°C	G529LD-5	G530LD-5	—	—
	PSI-kPa °C	G529LD-6	G530LD-6	—	—
	<b>R-134a/R-12 [Automotive]</b>				
	PSI-°F	G9LAD	G10LAD	—	—
	<b>R-134a/R-404A/R-507</b>				
	PSI-Kg/cm <sup>2</sup> -°C	G9LD-5	G10LD-5	—	—



#### Replacement Parts

Part#	UPC#	Description
CF25	51018	2 1/2" Clear Front Lens w/ Plug
GB25S	51027	2 1/2" Protective Gauge Boots, Pkg. [1] Red, [1] Blue
PL25	51004	2 1/2" Posi-Lock Replacement Lens

**GB25S**



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Premium flexible barrier hose with standard fittings

# Soft Magic® Barrier Hose

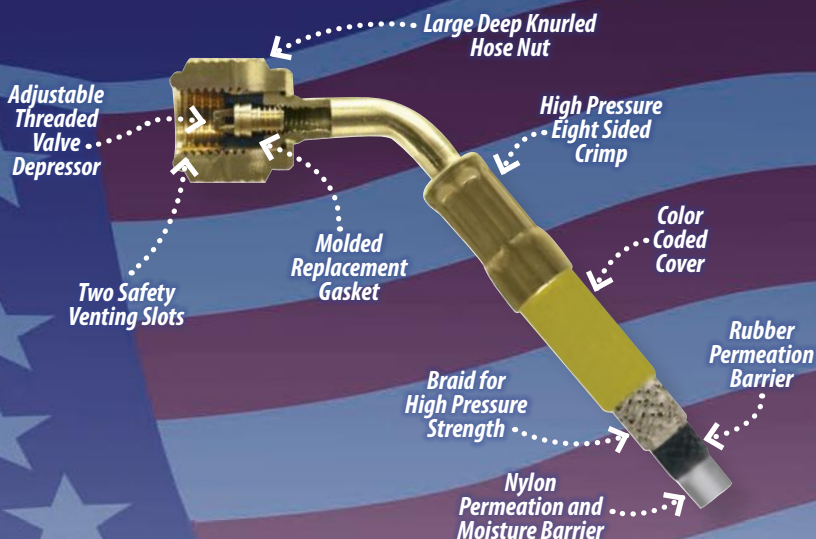
Rated for R-410A, CFC, HCFC  
and HFC refrigerants

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



Maximum Working Pressure: 800 PSI  
Burst Pressure: 4000 PSI

Standard Fitting  
(actual size)



	Length		Red	Yellow	Blue	Hose Set 1 Each R, Y, B Part#
			Part#	Part#	Part#	
Soft Magic® Barrier Hoses with Standard Fittings	6"	15cm	H06SMBR	H06SMBY	H06SMBB	HC353SMB Hose Set: [2] 3 ft. hoses and [1] 5 ft. Hose
	12"	30cm	H1SMBR	H1SMBY	H1SMBB	
	24"	60cm	H2SMBR	H2SMBY	H2SMBB	
	36"	90cm	H3SMBR	H3SMBY	H3SMBB	
	48"	120cm	H4SMBR	H4SMBY	H4SMBB	
	60"	150cm	H5SMBR	H5SMBY	H5SMBB	
	72"	180cm	H6SMBR	H6SMBY	H6SMBB	HC3SMB
	96"	240cm	H8SMBR	H8SMBY	H8SMBB	HC4SMB
	25'	7.50m	H25SMBR	H25SMBY	H25SMBB	HC5SMB
	50'	15.00m	H50SMBR	H50SMBY	H50SMBB	HC6SMB
	100'	30.00m	H100SMBR	H100SMBY	H100SMBB	HDC5MB Hose Set: [3] 5 ft. 1/4" Hoses and [1] 5 ft. 3/8" Hose

Replacement  
Parts for  
Soft Magic®  
Barrier Hoses

Part#	Description
H1476	Pkg. of (6) Gaskets and (3) Depressors
HX14N-10	Pkg. of (10) Gaskets
HX14N-100	Pkg. of (100) Gaskets
H76S-10	Pkg. of (10) Valve Depressors

See HVAC/R Price List for details.

92655  
Soft Magic®  
Barrier Hose  
Display Rack  
(Holds up to  
50 Hoses)



5 HVAC/R Tools

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Premium flexible barrier hose with anti-blowback fittings



# Soft Magic® Barrier Hose

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

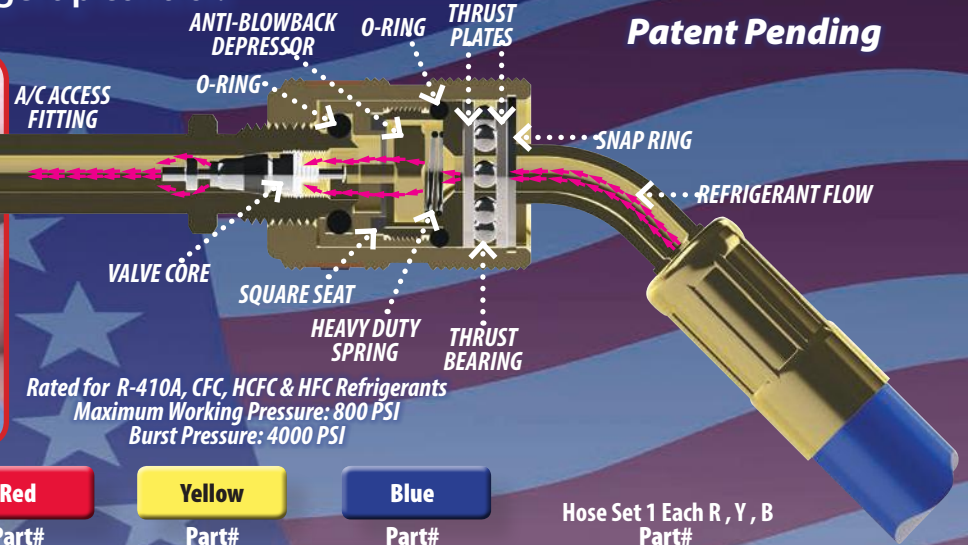


EZ Turn Anti-Blowback fitting has a thrust bearing that reduces friction so the service hose can be easily connected to the access fitting while under pressure. Compact design fits in tight work spaces. Deep square knurling and textured orange and blue band for easy fingertip control!

**UNDER  
PRESSURE**



**RATED FOR  
R-410A  
\*2 YEAR  
WARRANTY**



**Patent Pending**

Rated for R-410A, CFC, HCFC & HFC Refrigerants  
Maximum Working Pressure: 800 PSI  
Burst Pressure: 4000 PSI

		Red	Yellow	Blue	Hose Set 1 Each R, Y, B Part#
	Length	Part#	Part#	Part#	
<b>1/4" EZ TURN ANTI-BLOWBACK FITTING</b>	36" 90cm	EZ3R	EZ3Y	EZ3B	EZ3HS
	60" 150cm	EZ5R	EZ5Y	EZ5B	EZ5HS
	72" 180cm	EZ6R	EZ6Y	EZ6B	EZ6HS
	25' 7.50m	EZ25R	EZ25Y	EZ25B	EZ5HDS
	50' 15.00m	EZ50R	EZ50Y	EZ50B	Hose Set: [3] 5 ft. 1/4" Hoses and [1] 5 ft. 3/8" Hose
<b>R-410A Mini Split 5/16" EZ TURN ANTI-BLOWBACK FITTING (1/4" X 5/16")</b>	100' 30.00m	EZ100R	EZ100Y	EZ100B	
	36" 90cm	EZM3R	EZM3Y	EZM3B	
	60" 150cm	EZM5R	EZM5Y	EZM5B	
	72" 180cm	EZM6R	EZM6Y	EZM6B	

## EZ TURN ANTI-BLOWBACK ADAPTORS

	Part#	Description	
<b>1/4"</b>	EZAB	Straight 1/4" M.F. x 1/4" F.F.	
	EZAB90	90° 1/4" M.F. x 1/4" F.F.	
<b>5/16" R-410A Mini Split</b>	EZABM	Straight 1/4" M.F. x 5/16" F.F.	
	EZABM90	90° 1/4" M.F. x 5/16" F.F.	
<b>Replacement Parts</b>	Part#	Description	
	EZHRK	Pkg. of (1) Spring • (1) Anti-Blowback Depressor (1) Square Seat • (2) O-Rings (1) Hose Gasket	



**EZHR  
EZ TURN  
Hose  
Display  
Rack  
(Holds up  
to 50 Hoses)**



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**61**

**5 HVAC/R Tools**

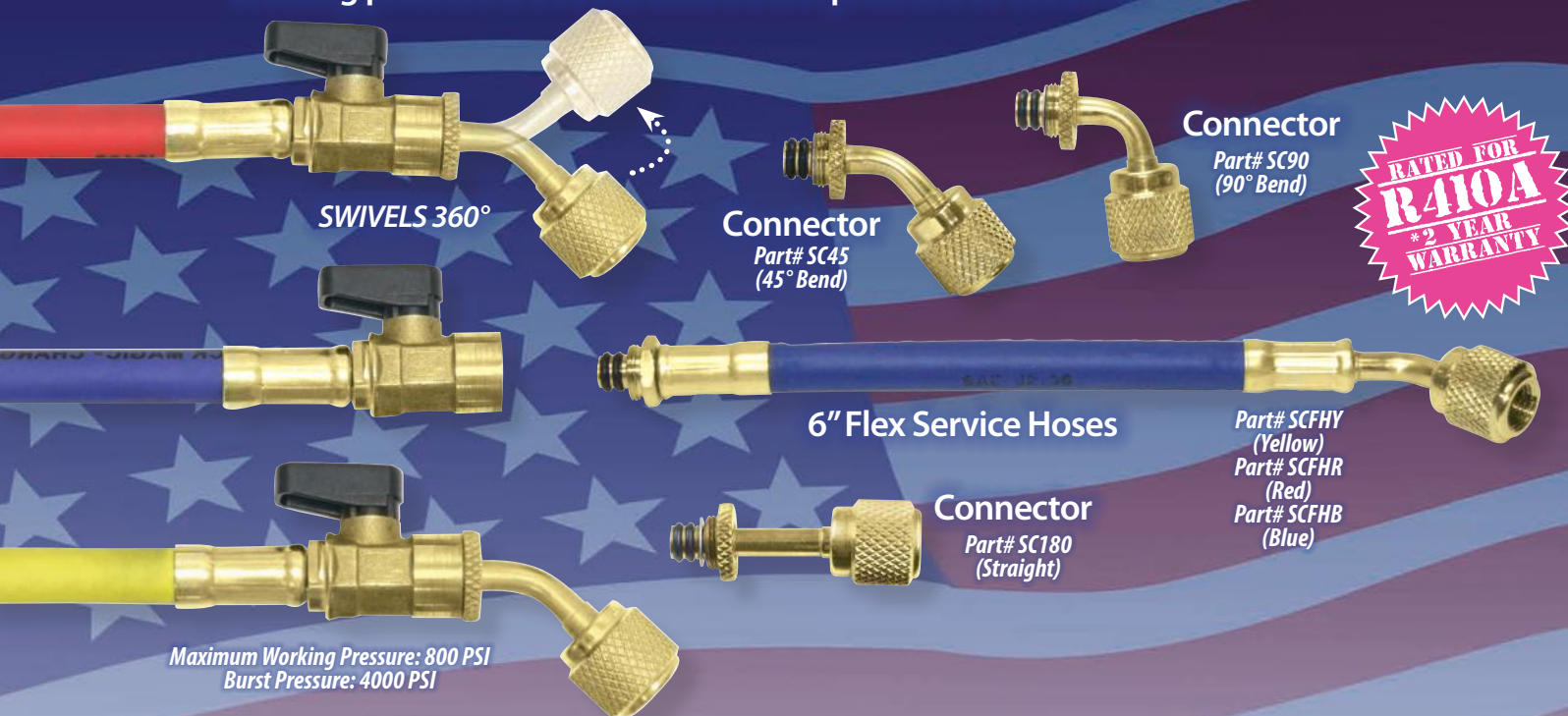


Premium flexible barrier Ball Valve hose

# Soft Magic® Barrier Hose

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The Soft Magic® Barrier Ball Valve Hose has our universal ball valve with patented interchangeable service connectors and flex service hoses that connect easily to that hard-to-reach access fitting. Easy-snap-in service connectors available: straight, 45° bend, 90° bend or a 6" service hose. Maximum working pressure is 800 PSI with a burst pressure of 4000 PSI.



5 HVAC/R Tools

			Red	Yellow	Blue	Hose Set 1 Each R, Y, B
	Length		Part#	Part#	Part#	Part#
Soft Magic® Barrier Ball Valve Hoses with 45° Bend Service Connector	36" 90cm		H3SMBER	H3SMBEY	H3SMBEB	HC3SMBE
	48" 120cm		H4SMBER	H4SMBEY	H4SMBEB	HC4SMBE
	60" 150cm		H5SMBER	H5SMBEY	H5SMBEB	HC5SMBE
	72" 180cm		H6SMBER	H6SMBEY	H6SMBEB	HC6SMBE
	96" 240cm		H8SMBER	H8SMBEY	H8SMBEB	HC353MBE Hose Set: [2] 3 ft. Hoses and [1] 5 ft. Hose
	25' 7.50m		H25SMBER	H25SMBEY	H25SMBEB	
	50' 15.00m		H50SMBER	H50SMBEY	H50SMBEB	
	100' 30.00m		H100SMBER	H100SMBEY	H100SMBEB	
Part#	Description					
Repair Kit	21085	Service Connector Repair Kit Includes: [2] O-Rings and [1] Retainer Clip				





# Inline / Panel Mount / 45° Bend Ball Valve Adaptors

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



**92806**

Inline or  
Panel Mount  
Ball Valve  
Adaptor



**92809**

45° Bend  
Ball Valve  
Adaptor

Minimize refrigerant loss by rotating valve to the closed position before disconnecting from the system. Recovery machine panel mount control valve.

Hose nut swivels 360° for easy access into tight work areas. Add to existing hose as control device.

Part#	Description
92806	Inline or Panel Mount Ball Valve Adaptor, 1/4" M.F. x 1/4" M.F. (Yellow)
92807	Inline or Panel Mount Ball Valve Adaptor, 1/4" M.F. x 1/4" M.F. (Red)
92808	Inline or Panel Mount Ball Valve Adaptor, 1/4" M.F. x 1/4" M.F. (Blue)

**Inline or  
Panel Mount  
Ball Valve**

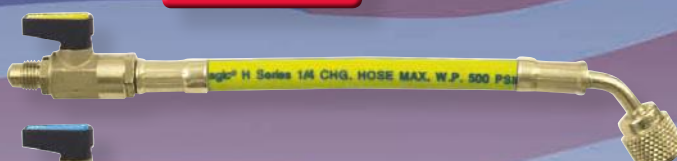


Part#	Description
92809	Ball Valve Adaptor, 1/4" M.F. x 1/4" M.F. with 45° Bend (Red)
92810	Ball Valve Adaptor, 1/4" M.F. x 1/4" M.F. with 45° Bend (Yellow)
92811	Ball Valve Adaptor, 1/4" M.F. x 1/4" M.F. with 45° Bend (Blue)
92833	Ball Valve Adaptor Set, 1/4" M.F. x 1/4" M.F. with 45° Bend (1 each R, Y, B)

**45° Bend  
Ball Valve  
Adaptor**



**90048**



**90050**



**90051**



**90052**



**90049**



**90054**

Part#	Description
90048	Inline Ball Valve, 3/8" M.F. x 3/8" M. F.
90049	Inline Ball Valve, 3/8" M.F. x 1/4" M. F.
90054	Ball Valve with 6" Heavy Duty Hose, 3/8" M.F. x 3/8" F.F.
90055	Ball Valve with 6" Standard Hose, 3/8" M.F. x 1/4" F.F. Hose w/45° Bend, Yellow

**6"  
Enviro  
Adaptor  
Hoses**



Part#	Description
90050	Ball Valve with 6" Hose, 1/4" M.F. x 1/4" F.F. w/45° Bend (Yellow)
90051	Ball Valve with 6" Hose, 1/4" M.F. x 1/4" F.F. w/45° Bend (Blue)
90052	Ball Valve with 6" Hose, 1/4" M.F. x 1/4" F.F. w/45° Bend (Red)
90053	Ball Valve with 6" Hose, 1/4" M.F. x 3/16" F.F. w/45° Bend (Red)
90299	Ball Valve with 6" Hose Set, [1 each 90050, 90051, 90052]



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## Heavy Duty Charging and Vacuum Hoses



# Soft Magic® Hoses

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Premium, large I.D. Hoses for CFC, HCFC and HFC refrigerants. Supplied with large, knurled hose nuts and rubber gaskets for easy finger tightening or wrench tight metal to metal seat hex flare nuts and copper gaskets. Choose from 3/8", 1/2" and 3/4" I.D. hoses to suit your requirements. 2-year over-the-counter replacement warranty\*.



### Rubber Seat

### Metal Seat

Length	3/8" Str. x 3/8" Str. Part#	3/8" Str. x 1/4" 45° Part#	3/8" F.F. x 3/8" F.F. Part#	3/8" F.F. x 3/8" F.F. 90° Part#	3/8" F.F. 90° x 3/8" F.F. 90° Part#
6" 15cm	90524	90527	90530	90533	90536
12" 30cm	90525	90528	90531	90534	90537
24" 60cm	90526	90529	90532	90535	90538
36" 90cm	90500	90206	90214	90222	90230
48" 120cm	90501	90207	90215	90223	90231
60" 150cm	90502	90208	90216	90224	90232
72" 180cm	90503	90209	90217	90225	90233
96" 240cm	90504	90210	90218	90226	90234
25' 750cm	90505	90211	90219	90227	90235
50' 1500cm	90506	90212	90220	90228	90236
100' 3000cm	90507	90213	90221	90229	90237

**3/8" Soft Magic® Heavy Duty Charging and Vacuum Hose**

Max. Work Press: 600 PSI

Burst Press: 3000 PSI

### Rubber Seat

### Metal Seat

### Metal Seat

Length	1/2" Str. x 1/2" Str. Part#	5/8" Str. x 5/8" Str. Part#	1/2" F.F. x 1/2" F.F. Part#	5/8" F.F. x 5/8" F.F. Part#	3/4" F.F. x 3/4" F.F. Part#
36" 90cm	90238	90246	90508	90254	H3D3M
48" 120cm	90239	90247	90509	90255	H3D4M
60" 150cm	90240	90248	90510	90256	H3D5M
72" 180cm	90241	90249	90511	90257	H3D6M
96" 240cm	90242	90250	90512	90258	H3D8M
25' 750cm	90243	90251	90513	90259	H3D25M
50' 1500cm	90244	90252	90514	90260	H3D50M
100' 3000cm	90245	90253	90515	90261	H3D100M

**1/2" & 3/4" Soft Magic® Heavy Duty Charging and Vacuum Hose**

Max. Work Press: 350 PSI

Burst Press: 1987 PSI

**3/4" Heavy Duty Charging Hi-Vacuum Hose**

Max. Work Press: 350 PSI

Burst Press: 1987 PSI

See HVAC/R Price List for details.



Hex Female Flare Metal to Metal Seat

### Replacement Parts

Part#	Description
HDX14N-10	Pkg. of [10] Rubber Gaskets [3/8" Fittings]
HFX38-10	Pkg. of [10] Copper Flare Gaskets [3/8" Fittings]
HD1X14N-10	Pkg. of [10] Rubber Gaskets [1/2" & 5/8" Fittings]
HFX12-10	Pkg. of [10] Copper Flare Gaskets [1/2" Fittings]



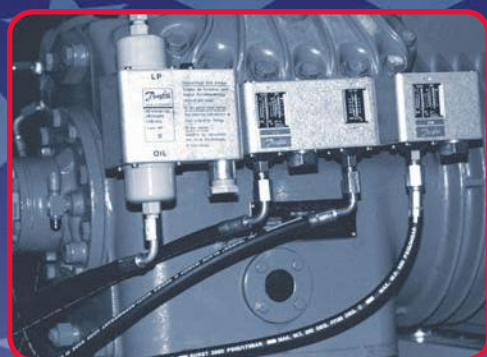
## Refrigerant Hoses



# Super Black Magic®

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

UniWeld's Super Black Magic® Refrigeration hoses for permanent installation are long lasting, trouble free alternatives to traditional copper capillary tubing used on refrigerant pressure and oil cutout controls. The wizardry of this hose is a seamless nylon tube wrapped with synthetic braid reinforcement and covered with black thermoplastic elastomer for maximum abrasion resistance. Refrigerant service technicians appreciate its easy installation in refrigeration rack systems in Supermarkets, Processing Plants and Paper Mills and its cost effectiveness. Available with optional 90° fittings.



Straight Rubber Gasket Seat

### Specifications:

- Maximum Operating Pressure: 800 PSI (34 Bar)
- Burst Pressure: 4000 PSI (173 Bar)
- Maximum Working Temperature: 250°F (122°C)
- Minimum Bend Radius: 2" (50.8mm)



**STRAIGHT X STRAIGHT**



**STRAIGHT X 90°**



**90° X 90°**



	Length	Straight x Straight Part#	Straight x 90° Part#	90° x 90° Part#	Description
<b>1/4" F.F x 1/4" F.F. Super Black Magic® Hoses</b>	12" 30cm	H012A400A	H012A409A	H012A410A	1/4" Female Flare x 1/4" Female Flare
	18" 45cm	H018A400A	H018A409A	H018A410A	1/4" Female Flare x 1/4" Female Flare
	24" 60cm	H024A400A	H024A409A	H024A410A	1/4" Female Flare x 1/4" Female Flare
	30" 75cm	H030A400A	H030A409A	H030A410A	1/4" Female Flare x 1/4" Female Flare
	36" 90cm	H036A400A	H036A409A	H036A410A	1/4" Female Flare x 1/4" Female Flare
	48" 120cm	H048A400A	H048A409A	H048A410A	1/4" Female Flare x 1/4" Female Flare
	60" 150cm	H060A400A	H060A409A	H060A410A	1/4" Female Flare x 1/4" Female Flare
<b>3/8" F.F x 3/8" F.F. Super Black Magic® Hoses</b>	12" 30cm	HD1A700A	HD1A709A	HD1A710A	3/8" Female Flare x 3/8" Female Flare
	18" 45cm	HD018A700A	HD018A709A	HD018A710A	3/8" Female Flare x 3/8" Female Flare
	24" 60cm	HD2A700A	HD2A709A	HD2A710A	3/8" Female Flare x 3/8" Female Flare
	30" 75cm	HD030A700A	HD030A709A	HD030A710A	3/8" Female Flare x 3/8" Female Flare
	36" 90cm	HD3A700A	HD3A709A	HD3A710A	3/8" Female Flare x 3/8" Female Flare
	48" 120cm	HD4A700A	HD4A709A	HD4A710A	3/8" Female Flare x 3/8" Female Flare
	60" 150cm	HD5A700A	HD5A709A	HD5A710A	3/8" Female Flare x 3/8" Female Flare

	Part#	UPC#	Description
<b>Replacement Parts</b>	HFX14-10	47608	Pkg. of [10] Copper Flare Gaskets [1/4" Hose]
	HFX38-10	47609	Pkg. of [10] Copper Flare Gaskets [3/8" Hose]



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Adaptors/Fittings/O-Rings/Tool

# Adaptors & Accessories

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



**UNDER  
PRESSURE**



**92836**  
Refrigerant Drum Adaptor  
3/4" NPS Cylinder x 1/4" M.F.

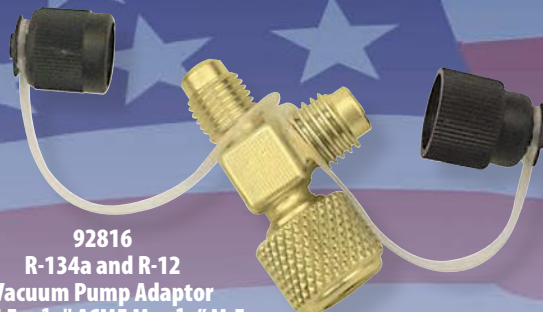
	Part #	Description
<b>1/4"</b>	EZAB	Straight 1/4" M.F. x 1/4" F.F.
	EZAB90	90° 1/4" M.F. x 1/4" F.F.
<b>5/16"</b>	EZABM	Straight 1/4" M.F. x 5/16" F.F.
	EZABM90	90° 1/4" M.F. x 5/16" F.F.
<b>R-410A Mini Split</b>		



**EZHRK**  
Pkg. of (1) Spring  
(1) Anti-Blowback Depressor  
(1) Square Seat (2) O-Rings  
and (1) Hose Gasket



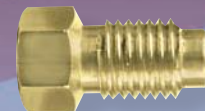
**92863**  
R-410A Mini-Split Adaptor  
5/16" (1/2"-20) Female  
w/Adjustable Depressor  
x 1/4" Male w/Valve Core



**92816**  
R-134a and R-12  
Vacuum Pump Adaptor  
1/4" F.F. x 1/2" ACME M. x 1/4" M.F.



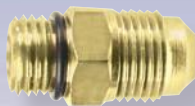
**92820**  
Valve Core Tool Double ended for  
removing and installing both  
standard and large bore  
valve cores



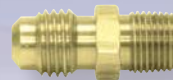
**13401**  
1/4" F.F. x 1/2" ACME M.



**92800**  
14mm M. x 1/4" M.F.



**92801**  
14mm M. x 3/8" M.F.



**10005**  
1/4" M.F. x 1/8" M.P.T.



**92799**  
1/2" ACME F. x 1/4" M.F.



**EZABR90**  
R-134a to R-12  
Anti-Blowback  
Adaptor  
14mm F. x 1/4" F.F.



**ABB134**  
Straight Anti-blowback Adaptor  
1/2" ACME F. x 1/2" ACME M.



**ABBRK**  
Anti-Blowback  
O-Ring Repair Kit  
(Pkg. of 4)  
For ABB125, ABB190  
ABB1425, ABB410

5 HVAC/R Tools

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## Propane Halide Leak Detector

# Halide Leak Detector

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld's Propane Halide Leak Detector instantly locates non-combustible halide (CFC & HCFC) refrigerant gas leaks. Leaks are located when the chlorine based refrigerant gases are drawn in through the probe hose and exposed to a heated copper reactor plate, changing the blue flame to green. This detector is very sensitive and can be used to locate leaks as small as 20 ppm of CFC and HCFC refrigerants. **Will not detect non-chlorine based refrigerants (such as R-410A).**



PLD33



PLD33V

When chlorine-based refrigerant gases are detected...



...blue flame changes to green



PCLD33T

Part# Description

PCLD33T	Propane Halide Leak Detector w/ Tool Box includes: PLD33V Leak Detector w/probe hose, FL34 Flint Lighter, PDC Propane Cylinder & Plastic Tool Box. [9 per case]
PCLD33	Propane Halide Leak Detector includes: PLD33V Leak Detector w/probe hose & PDC Propane cylinder. [6 per case]
PLD33	Propane Halide Leak Detector with probe hose, for air/fuel torch handle
PLD33V	Propane Halide Leak Detector with probe hose valve assembly
LD32	Halide Leak Detector for air/acetylene use
CC61	Plastic Tool Box (12.5" L x 7" W x 5" H)
H02-3	3ft. Probe Hose
PCV	Valve Assembly Only
LDPLC	Copper Reactor Plate
LD7-1A	Injector for LD-16 assembly



LD7-1A

LDPLC



PCV



H02-3



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**5 HVAC/R Tools**

AUTOMOTIVE



R-134a/R-12 Automotive 2 Valve Brass Manifolds

# Man, What a Manifold®

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

COLOR CODED  
GAUGE BOOTS



Lens  
Plug  
for easy  
zero  
reset



UniWeld's Automotive 2-Valve Brass Manifold has a solid forged brass body with metal hand wheels and a convenient hose holder. The large R-134a/R-12 gauges are protected with color-coded gauge boots. Options include manual or automatic Service Couplers, Soft Magic® Hoses and either 2½" LPF™ or 3⅛" NPF® Gauges.

	Hose Set Length	Soft Magic® Hoses Manual Couplers	Soft Magic® Hoses Auto Couplers		Hose Set Length	Soft Magic® Hoses Manual Couplers	Soft Magic® Hoses Auto Couplers
<b>47827 Manifold 2½" LPF™ Gauges</b>	36" [90cm]	47850	48050	<b>48800 Manifold 3⅛" NPF® Gauges</b>	36" [90cm]	48851	48801
	60" [150cm]	47851	48051		60" [150cm]	48852	48802
	72" [180cm]	47852	48052		72" [180cm]	48853	48803
	96" [240cm]	47853	48053		96" [240cm]	48854	48804

48075 Manifold with [2] 3 ft., [1] 5 ft. Soft Magic® hoses and automatic couplers.

48805 Manifold with [2] 3 ft., [1] 5 ft. Soft Magic® hoses and automatic couplers.

NOTE: R-12 service connections are not included.





R-134a/R-12 Automotive 2 Valve Aluminum Manifolds

# Man, What a Manifold®

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

**COLOR CODED  
GAUGE BOOTS**

**NPF®  
Silicone  
Dampened  
Movement**



**Lens  
Plug  
for easy  
zero  
reset**

**90044  
Low Side**



**Manual  
Service  
Couplers**



**90043  
High Side**

**91600**

Uniweled's R-134a Automotive anodized aircraft Aluminum Block Manifold features a large optical sight glass for monitoring refrigerant. High and low side brass valves provide precision control. Optional manual or automatic Service Couplers available with either 2½" LPF™ or 3⅛" NPF® gauge Manifolds.

	Hose Set Length	Soft Magic® Hoses Manual Couplers	Soft Magic® Hoses Auto Couplers		Hose Set Length	Soft Magic® Hoses Manual Couplers	Soft Magic® Hoses Auto Couplers
<b>90000 Manifold 2½" LPF™ Gauges</b>	36" [90cm]	90007	90750	<b>91600 Manifold 3⅛" [80mm] NPF® Gauges</b>	36" [90cm]	91651	91601
	60" [150cm]	90008	90751		60" [150cm]	91652	91602
	72" [180cm]	90009	90752		72" [180cm]	91653	91603
	96" [240cm]	90010	90753		96" [240cm]	91654	91604

NOTE: R-12 service connections are not included.



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**6 Automotive A/C**



# Soft Magic® Charging Hoses

## Automotive Hoses

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld's Soft Magic® super-flexible hose for under the hood and tight work areas. The yellow charging hose includes an anti-blowback fitting. Meets SAE J2196/R-134a specifications.

1/2" ACME with  
Anti-blowback fittings

### Specifications:

- Maximum Operating Pressure: 800 PSI (34 Bar)
- Burst Pressure: 4000 PSI (173 Bar)

	Hose Length	Yellow 1/2" Acme x 1/2" Acme w/Anti-Blowback	Red 14mm x 1/2" Acme	Blue 14mm x 1/2" Acme	Hose Set 1 each R, Y, B
Black Magic®	36"	90027	90031	90035	90039
	60"	90028	90032	90036	90040
	72"	90029	90033	90037	90041
	96"	90030	90034	90038	90042
Soft Magic®	36"	49008	49000	49004	49020
	60"	49009	49001	49005	49021
	72"	49010	49002	49006	49022
	96"	49011	49003	49007	49023

### Replacement Parts

Part#	UPC#	Description
90059	90059	Package of [2] 14mm O-Rings and [4] 1/2" Acme Gaskets
HR134N-10	13414	Package of 10 pieces. 1/2" Acme Gaskets
HR134N-100	13415	Package of 100 pieces. 1/2" Acme Gaskets



G10LAD  
2 1/2" LPF™

## Automotive Replacement Gauges

R-134a/R-12 - PSI°F with color coded gauge boots on large easy to read dials.

Part#	Description
G9LAD	2 1/2" LPF™ 0-500 psi
G10LAD	2 1/2" LPF™ 30"-Hg-120 psi, 300 psi Overpressure
G409NSAD	3 1/8" NPF® 0-500 psi
G410NSAD	3 1/8" NPF® 30"-Hg-120 psi, 300 psi Overpressure



G409NSAD  
3 1/8" NPF®





## R-134a Manual Service Couplers with 8 balls

# Service Couplers

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld's improved R-134a Manual Service Couplers accurately centers to the schrader valve. This prevents damage to the schrader and securely locks the coupler onto the A/C service port.

Manual Service Couplers	Part#	Description	 90043 High Side	 90044 Low Side
	90043	Manual Red-High Side [14mm Female]		
	90044	Manual Blue-Low Side [14mm Female]		
	90478	Manual Red-High Side w/92800 [1/4" M.F. Adaptor]		
	90479	Manual Blue-Low Side w/92800 [1/4" M.F. Adaptor]		
	90480	Manual Red-High Side w/92801 [3/8" M.F. Adaptor]		
Automatic Service Couplers	Part#	Description	 90045 High Side	 90046 Low Side
	90045	Automatic Red-High Side [14mm Female]		
	90046	Automatic Blue-Low Side [14mm Female]		
	90483	R-134a Automatic Coupler - Red/High w/92800 [1/4" M.F. Adaptor]		
	90484	R-134a Automatic Coupler - Blue/Low w/92800 [1/4" M.F. Adaptor]		
	90485	Automatic Service Coupler Kit: Red-High Side [14mm F.] & Blue-Low Side [14mm F.] Couplers		
Repair Kit	90486	Automatic Service Coupler/Adaptor Kit: Red-High Side [14mm F.] & Blue/Low Side [14mm F.] Couplers with two 92800 1/4" M.F. Adaptors		
	90482	Service Coupler O-Ring Repair Kit Includes: [1 each] X09R Low side and X11R High side		



47880 Kit

## R-134a and R-12 Conversion Kits

R-134a Automatic Service Couplers are designed for working in tight spaces. Push down on the coupler to snap it easily onto the A/C service port and automatically open the valve core.

R-134a and R-12 Conversion Kits	Part#	Description
	47881	R-134a to R-12 Conversion Kit: [2] ABB1425 & [1] 13401 Adaptor
	47880	R-12 to R-134a Conversion Kit: 90478, 90479 Manual Couplers and 92799 Adaptor 1/2" Acme F. X 1/4" M.F.



47881 Kit



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# A/C Flush Kit / Can Tap Valve / Recharge Hose

## R-134a Auto Accessories

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The A/C Flush Kit is used to remove moisture, contaminants and acid from the evaporator and the condenser. It is designed to work with any A/C flush solvent that can be mixed with pressurized air. Add up to 18 oz. of solvent to the reusable canister and with the use of pressurized shop air, reverse flush the evaporator and condenser during retrofitting or replacement.

### FEATURES:

- **Pressure Relief Valve that opens automatically at 180 to 190 psi, protecting the cylinder and equipment from overpressure**
- **Valve Assembly with a Liquid Dip Tube**
- **Ball Valve with 1/4 turn open/close** • **24" flexible Service Hose** • **Blow Gun fitted with Rubber Tip Nozzle**

Part#	Description
<b>Flush Kit</b>	
94180	Auto A/C System Flush Kit
<b>Flush Kit Replacement Parts</b>	
BG1FA	Blowgun with Auto Rubber Tip Nozzle
H2P100D	24" Service Hose
40049	Auto Rubber Tip Nozzle with 1/8" M.P.T. Fitting

NOTE: Residential & Commercial A/C Flush Kit also available. See page 51



## R-134a Can Tap Valve and Auto Recharge Hose

Self-piercing R-134a Can Tap Valve with 1/2" ACME fittings and "T" handle valve for easy fingertip control. the R-134a Recharge Hose assembly includes: the Can Tap Valve with hose and low side Service Coupler for quick, easy service of an auto A/C system.

Part#	Description
<b>Can Tap Valve and Hose</b>	
49016	R-134a Auto Recharge Hose with Can Tap Valve
90060	R-134a Can Tap Valve with 1/2" Acme Male Fittings





AUTOMOTIVE



## Oil/Dye Injector and A/C Adaptor Kit

# R-134a Auto Accessories

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



The refillable Oil/Dye Injector has a 2 oz. capacity. The anodized aluminum body and end caps are fitted with O-ring seals. Attach the injector directly to the manifold low side hose connection and add oil/dye to the system. Available with optional 1/2" ACME fittings or 1/4" Flare fittings.



94170

Part#	Description
94170	Refillable Oil/Dye Injector with 1/2" Acme fittings
94175	Refillable Oil/Dye Injector with 1/4" Flare fittings

### Oil Injector

## Universal A/C Adaptor Kit

The Universal A/C Adaptor Kit box contains the most popular adaptors for servicing an A/C system, including a universal ball valve with interchangeable service connectors. Also included are replacement parts for R-123 and R-134a service hoses.



Universal Ball Valve with interchangeable Service Connectors



92830

### 92830 Universal Adaptor Kit Parts List

Part#	Description
BV501FX	Universal Ball valve with 1/4" M.F.
92786	1/4" Service Connector, straight
92788	1/4" Service Connector, w/90° bend
92795	3/16" Service Connector, straight
92797	3/16" Service Connector, w/90° bend
HX14N-10	1/4" Hose Gasket [10 pcs.]
H76S-10	1/4" Hose Depressor [10 pc.]
X09R	R-134a Low side Coupler O-Ring [5 pcs.]
X11R	R-134a High side Coupler O-Ring [5 pcs.]
X15R	Hose-O-Ring 14mm male [5 pcs.]
X40R	Service Connector O-Ring [10 pcs.]
HR134N-10	1/2" Acme Hose Gasket [10 pcs.]



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6 Automotive A/C



# Sludge Sucker®/Blaster® Kit

# Sludge Sucker®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Nitrogen is a dry inert gas with multiple uses in the HVAC/R industry: purging and pressure testing copper tubing, calibrating pressure controls, cleaning a condensate drain line, cleaning coils, inflating tires, unclogging a sink, operating impact tools and much more.

Uniweld does not recommend that CO<sub>2</sub> be used for purging or pressure testing an A/C&R system because it may form carbonic acid within the system, causing premature equipment failure. The Sludge Sucker® Kit options include a choice of high or low-pressure regulators for Nitrogen or CO<sub>2</sub> [with optional F36 adaptor] and various carrying stands depending on tank size. All Sludge Sucker® Kits include the handy Sludge Blaster® for quickly unclogging drain pipes.



40004



Blow off coils with Sludge Sucker® Blowgun



Purge and pressure test an A/C&R system



Clean out condensate drain lines with Sludge Blaster®

2. Use PVC fittings, if needed, to attach vinyl hose to drain line.

1. Locate condensate drain line. Sludge Sucker® vinyl hose fits inside a 3/4" PVC fitting.



3. Allow Nitrogen to flow through Sludge Sucker® fitting and then watch the sludge get sucked out of the drain line and blown onto the ground.

Part#	Regulators	Sludge Item	Hoses	Blowgun	Carrying Stand
40001	R1563 [Delv. 5-175 psi]	40000			515 [20 cu. ft.]*
40002	R1563 [Delv. 5-175 psi]	Sludge Sucker®	H5SMBY 5 ft. hose		516 [40/55 cu. ft.]*
40003	RHP500 [Delv. 20-500 psi]			BG1	515 [20 cu. ft.]*
40004	RHP500 [Delv. 20-500 psi]				516 [40/55 cu. ft.]*
40039	RHP400 [Delv. 20-400 psi]	40061 Sludge Blaster®	H2SSM 2 ft. hose		515 [20 cu. ft.]*
40040	RHP400 [Delv. 20-400 psi]				516 [40/55 cu. ft.]*

\*Tank not included.





## Sludge Sucker® Maintenance Kit

# Sludge Sucker®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

A versatile, all-in-one kit that includes a Nitrogen regulator with a delivery pressure up to 400 PSI for pressure testing an A/C&R system for leaks. It also includes many accessories for cleaning condensate drain lines and for blowing off coils. It even has a air chuck to fill up that flat tire. As a bonus, our Sludge Blaster® is included (see page 80 for more information). Carry stands are sold separately (see page 41).



Blow off coils  
with Sludge Sucker®  
Blowgun

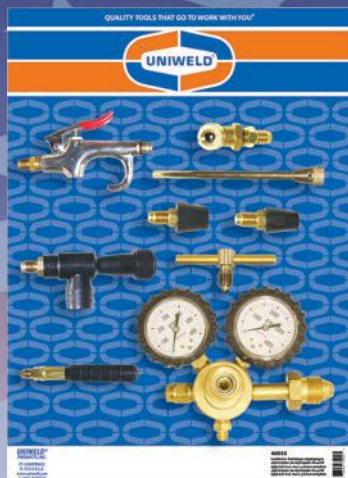


Clean condensate  
drain lines with  
the Sludge Blaster®



Inflate tire with  
the Sludge Sucker®  
Air Chuck

7 Nitrogen & CO<sub>2</sub>



40055

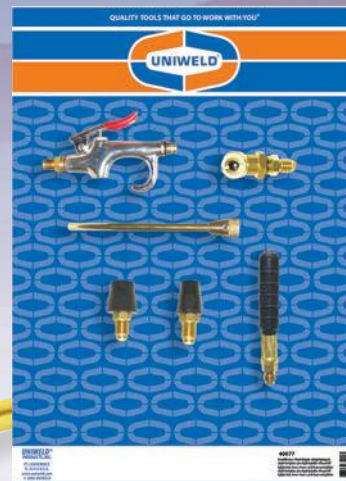
## 40055 Sludge Sucker® Maintenance Kit

Part#	Description	Part#	Description
RHP400	Nitrogen Regulator	40048	Needle Tip
40000	Sludge Sucker®	40050	1/2" Rubber Plug
40061	Sludge Blaster®	40022	3/4" Rubber Plug
H2SSM	2 Ft. Hose	BG1	Blowgun
H5SMBY	5 Ft. Hose	40045	Air Chuck

## 40077 Sludge Blaster® Accessory Kit

Already own a Nitrogen regulator? Then this 8-piece accessory kit is for you. It attaches to your regulator and includes the most popular tools to unclog and flush drain lines.

Part#	Description	Part#	Description
40061	Sludge Blaster®	40050	1/2" Rubber Plug
H2SSM	2 Ft. Hose	40022	3/4" Rubber Plug
H5SMBY	5 Ft. Hose	BG1	Blowgun
40048	Needle Tip	40045	Air Chuck



40077



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Now with Twice the Suction Power



# Sludge Sucker®

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The Sludge Sucker® is a tool that was developed to clean out a condensate drain line without accessing the drain pan located in the air handler. The Sludge Sucker's clear vinyl hose is attached to the 3/4" PVC condensate drain line on the outside of the building. With the use of Nitrogen or CO<sub>2</sub>, suction is created and that pulls all the sludge and algae from the drain pan and drain line; then blows it onto the ground outside.



40000  
Sludge Sucker®

1. Locate condensate drain line. Sludge Sucker® vinyl hose fits inside a 3/4" PVC fitting.



1

2. Use PVC fittings, if needed, to attach vinyl hose to drain line.



2



3

3. Allow Nitrogen to flow through Sludge Sucker® fitting and then watch the sludge get sucked out of the drain line and blown onto the ground.



40061  
Sludge Blaster®

Part#

Description

40000

Sludge Sucker® with clear vinyl hose.

## Sludge Blaster®/Drain Blaster®

1. Insert Sludge Blaster® into the "T" connection at the air handler.



1



2



3

3. Replace PVC cap on "T" connection For future service: DO NOT GLUE PERMANENTLY.

2. Allow Nitrogen (at max. 140 PSIG) to flow through, blasting the sludge free.

Unclog A/C condensate drain pipes FAST with Sludge Blaster®. It expands inside the pipe and with pressure exerted on the clog, blasts the sludge free. Attaches to standard 1/4" service hose. Pipe capacity: 3/4" to 1" I.D.



40062

40063

40064

Unclog drain pipes FAST with Drain Blaster®. It expands inside the pipe and exerts water pressure on the clog...blasting it free. Attaches to standard 3/4" garden hose.

Part#	Description	Pipe Capacity
40061	Sludge Blaster®	3/4" to 1" I.D.
40062	Drain Blaster™	1" to 2" I.D.
40063	Drain Blaster™	1 1/2" to 3" I.D.
40064	Drain Blaster™	3" to 6" I.D.



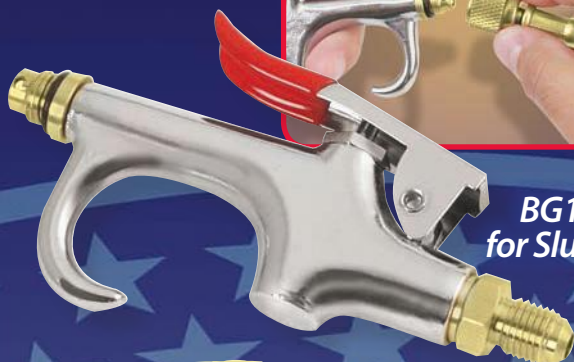
# Blowgun/Blowgun Accessories/Rubber Plugs



## Accessories

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

**7 Nitrogen & CO<sub>2</sub>**



**BG1 Blowgun  
for Sludge Sucker®  
Kit**



**40045  
Air Chuck**



**H5SMY  
5 Ft. Service Hose**



**40048  
Needle Tip**

### Blowgun Accessories

**H2SSM  
2 Ft. Service Hose**

### Rubber Plug Adaptors

Rubber Plug Adaptors are primarily  
used for drainline flushing.



Flush out a clogged sink drain  
using Rubber Plug Adaptors.

Part#	Description
40045	Air Chuck with 1/4" M. F. fitting
40048	Needle Tip [attaches to blowgun]
BG1	Blowgun with safety tip 1/4" M. F. inlet & outlet [Maximum working pressure: 120 psi]
H2SSM	2 Ft. Service Hose [attaches to blowgun]
H5SMY	5 Ft. Service Hose [attaches to blowgun]
40050	Rubber Plug Adaptor* [1/2" x 3/4" Cone]

Part#	Description
40051	Rubber Plug Adaptor* [1" x 1 1/4" Cone]
40052	Rubber Plug Adaptor* [1 1/4" x 1 1/2" Cone]
40053	Rubber Plug Adaptor* [1 1/2" x 2" Cone]
40054	Rubber Plug Adaptor* [2" x 2 1/2" Cone]
40022	Rubber Plug Adaptor* [3/4" x 7/8" Cone]

\*with 1/4" M.F. fittings.



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# Nitrogen Flow Indicator/Regulators

## Nitrogen Flow

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

NV1 NitroVue is nitrogen purging simplified. The easy to read flow indicator label and the precision adjustable valve give complete control over the low flow of nitrogen gas during the brazing of copper tubing in Air Conditioning and Refrigeration systems. The bright orange float ball visually confirms the flow of nitrogen gas and allows the technician to first "PURGE" the copper lines at 20+ SCFH and then reduce the flow to "BRAZE" at 3-5 SCFH during the brazing process thus conserving its consumption and reducing operating cost.

The nitrogen must be flowing to displace the oxygen inside the tubing during the brazing process, preventing internal oxidation and the resulting scale. Scale build up inside the tubing can cause blockage in the TXV and within the Air Conditioning and Refrigeration system resulting in premature failure. If the orange ball does not rise in the tube there is no flow of nitrogen, only static pressure and oxygen is not being displaced. The NV1 must be connected to a Nitrogen Regulator with the delivery pressure set at 60 PSI to control the nitrogen gas pressure. The NV1 can be used with complete confidence because it is protected from over pressure with a reseatable safety blow off that opens at 200+ PSI.

Patent Pending



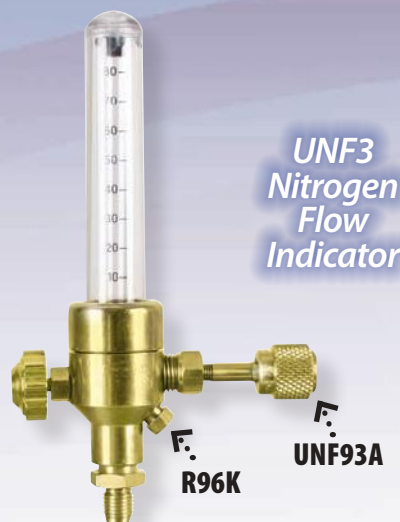
Part#	UPC#	CGA Inlet	Outlet Connection
NV1	14040	1/4" F.F.	1/4" M.F.



NV1 Nitrogen Flow Indicator

Reseatable Blow Off

Flow Ball Indicator



UNF3 Nitrogen Flow Indicator



Maximum Inlet Pressure: 50 PSI

Flow Ball Indicator

Part#	UPC#	CGA Inlet	Outlet Connection
UNF3	14030	1/4" F.F.	1/4" M.F.

Part#	Replacement Parts
R96K	12026 Pressure Relief Kit: Includes (1) copper disk, (2) washers and (1) brass relief cap
UNF93A	14032 Inlet Assembly







## Regulators/Replacement Gauges

# Nitrogen/CO<sub>2</sub> Regulators

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Regulators for use with Nitrogen or CO<sub>2</sub> (with optional F36 adaptor) that have been specially designed for purging and pressure testing. Large "T" handle with stainless steel pressure adjusting screw and bushing prevent galling.



**RHP800**  
Nitrogen Regulator

Reseatable  
Safety Blowoff  
Opens at  
450-475 PSI



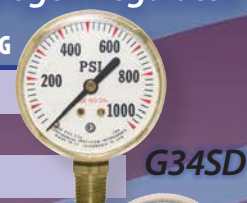
**RHP400**  
Nitrogen Regulator

F36 Adaptor  
CO<sub>2</sub> Cylinder  
(CGA320) to  
Nitrogen (CGA580)

Part#	UPC#	CGA Inlet	Outlet Connection	Gauges Delivery/Contents	Delivery PSIG
RHP400	13000	580	1/4" M.F.	[G8SD] 600/4000 [G7SD]	0-400
RHP500	13100	580	1/4" M.F.	[G8SD] 600/4000 [G7SD]	0-500
RHP800	13800	580	1/4" M.F.	[G34SD] 1000/4000 [G7SD]	0-800

Part#	Pressure	Diam.	Case	N.P.T.
G34SD	1000 psi	2"	Gold Steel Case	1/4"
G7SD	4000 psi	2"	Gold Steel Case	1/4"
G8SD	600 psi	2"	Gold Steel Case	1/4"

NOTE: REPLACEMENT GAUGES DO NOT INCLUDE 2" GAUGE BOOT [SOLD SEPARATELY]



**GB20S**  
2" Gauge Boot Set (2) Black

## Nitrogen and CO<sub>2</sub> Regulators

A compact, proven design for soft drink dispensing systems (not beer) and for many types of pressurizing applications. Features include: an adjustable pressure screw with locking nut and a self re-seating relief valve (not designed to protect downstream systems).

	CO <sub>2</sub> Part#	Nitrogen Part#	1 1/2" Gauges/Delivery	Delivery PSIG
Single Gauge Regulator	R1346	R1546	60 [G83D]	2-50
	R1349	R1549	300 [G84D]	2-175
	CO <sub>2</sub> Part#	Nitrogen Part#	Nitrogen/CO <sub>2</sub> Delivery/Contents	Delivery PSIG
Dual Gauge Regulator	R1358	R1558	[G20D] 15/4000 [G82D]	2-12
	*R1360	*R1560	[G83D] 60/4000 [G82D]	2-50
	*R1362	*R1562	[G78D] 200/4000 [G82D]	5-120
	*R1363	*R1563	[G84D] 300/4000 [G82D]	5-175



**R1563**

- CGA320-CO<sub>2</sub> inlet connection with O-ring
- CGA580-Nitrogen inlet connection
- 1/4" SAE flare outlet
- U.L. Listed

\*Gauges shipped with protective boots



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**7 Nitrogen & CO<sub>2</sub>**



## Ratchet-action Cutters for plastic pipe



# PVC Pipe Cutters

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The ideal cutting tools for plastic pipe commonly used for condensate drain line, plumbing lines, irrigation and electrical conduit. Easy-to-use ratchet-action mechanism and hardened steel blade replaces that old saw blade that never cut clean or straight. The blade holds a sharp edge and is easily field replaceable. Cuts cleanly through all plastic pipe including: PVC, CPVC and Polyethylene.

### 8 Tubing Tools



**70087**  
PVC Ratchet  
Pipe Cutter  
Cuts up to  
2½" O.D. (63mm)



1

Release safety lock and pull handles open with both hands.



2

Position pipe in the cutter and close handles together to engage ratchet. Blade begins to cut on contact.



3

Close and release handles using ratcheting action to cut through the pipe.



4

Use inside/outside Deburring Tool (UniWeld #70079) to remove burrs from pipe.



**70080**  
Replacement  
Blade

**70121**  
Replacement  
Spring



**70078**  
PVC Ratchet Pipe  
Cutter cuts up to  
1½" O.D. (42mm)





## 20'N'1 and 6'N'1 Screwdrivers

# Ratchet Screwdrivers

### 20 'N' 1 Ratchet Screwdriver

Multi-tip Ratchet Screwdriver with 14 magnetic interchangeable double-end bits, three nut drivers, two valve core extractors and one wire bender.

**FOR U.S. JOBS**  
UNIWELO EMPLOYS OVER 300 WORKERS

3 Ratchet Driver settings: Forward/Reverse/Manual



1/4" Nut Driver



5/16" Nut Driver

20N1RSD

12 Bit Storage Area



Display Package



7/16" Nut Driver



Wire Bender  
(up to 12 ga.)



Valve Core  
Removal Tool

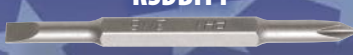


Valve Core  
Pick Extractor

3/16" Slotted



RSDBIT1

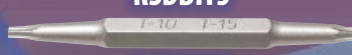


#1 Phillips

T-10 Torx



RSDBIT5



T-15 Torx

1/4" Slotted



RSDBIT2



#2 Phillips

5/32" Allen



RSDBIT6

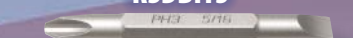


1/8" Allen

5/16" Slotted



RSDBIT3



#3 Phillips

1/4" Allen



RSDBIT7

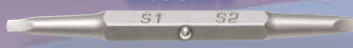


3/16" Allen

S-1 Square



RSDBIT4



S-2 Square

Valve Core  
Pick Extractor



RSDBIT8



Valve Core  
Removal Tool

### 6 'N' 1 Ratchet Screwdriver

Change bits and driver sizes quickly with a pull, flip and click. Work with 4 magnetized bits and 2 driver sizes. Three ratchet driver settings: Forward, Reverse & Manual.



6N1RSD

#1 Phillips



RSDBIT1



Magnetized



3/16" Slotted

3 Ratchet Driver settings:  
Forward/Reverse/Manual

#2 Phillips



RSDBIT2



Magnetized



1/4" Slotted

1/4" Nut Driver



5/16" Nut Driver



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8 Tubing Tools

# Reversible and Offset Wrenches/Dual Hex Wrench Adaptor



## Ratchet Wrenches+

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

### Reversible & Offset Ratchet Wrenches

Double-end Reversible Ratchet Wrenches with offset design for knuckle clearance in tight work areas. Chrome plated, heat-treated alloy steel, strong gear teeth and easy-flip reversing mechanism. Packed with FREE! Dual Hex Wrench Adaptor.

**70075**  
**Heavy Duty**  
**Offset Ratchet Wrench+**  
**DHW316 Hex Adaptor**  
Hex openings:  
1/2" and 9/16"  
at one end;  
Square openings:  
1/4" and 3/16"  
at other end



70075

For compressor  
access valves and  
Acetylene B & MC  
tank valves



70074

**70074**  
**Medium Duty**  
**Offset Ratchet Wrench+**  
**DHW316 Hex Adaptor**  
Square openings:  
1/4" and 3/16"  
at one end;  
5/16" and 3/8"  
at other end

### Dual Hex Wrench Adaptor

Dual Hex Wrench Adaptor for use on 3/16" and 5/16" hex liquid and suction valves on residential and commercial equipment. Fits Uniweld 70022 Reversible Ratchet Wrench, 1/4" square socket. Heat treat alloy steel, plated to prevent rust.



DHW316

### Reversible Ratchet Wrench

Use for compressor access valves and Acetylene B & MC tank valves. Square opening: 1/4" and 3/16" at one end; 3/8" and 5/16" at other end.



70022





## Inside / Outside Deburrers, Pinch-Off Tool

# Deburring Tools

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

The 70072 Inside/Outside Deburring Tool quickly removes burrs and sharp edges on all size tubing. A removable end cap exposes a convenient storage area for replacement blades.



70072

*Used for deburring metal or PVC tubing ends, inside and out after cutting*



The 70079 Inside/Outside Deburring Tool removes burrs and sharp edges with double edge steel blades. This heavy duty metal deburrer has a capacity of  $\frac{1}{8}$ " to  $1\frac{5}{8}$ " O.D. (3mm to 42mm).

*Used for deburring metal or PVC tubing ends, inside and out after cutting*



70079

## Pinch-Off Tool

An effective way to isolate a piece of equipment in need of repair is to close off the tubing with the use of a Pinch-Off Tool. This works well in emergency situations that require immediate stopping of a leak. The maximum throat depth of this Pinch-Off Tool 70076 is 1" (25.4mm).



70076





## Heavy Duty Flare/Burnish Tools



# Flaring Tools

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

The 70003 Heavy Duty Flaring Tool has a hardened steel flaring cone with a chrome finish for more uniform flares without galling. Special shaped wing nuts allow the long handle of the self-

centering yoke to be used as a lever when tightening. The hardened steel flaring bar grips tubing without scoring.



70003



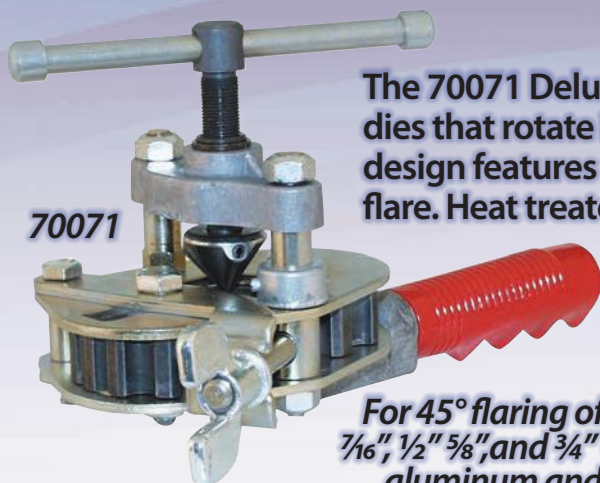
For 45° flaring of  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ " and  $\frac{5}{8}$ " O.D. soft copper, aluminum and brass tubing.

The 70004 Heavy Duty Flare/Burnish Tool has a specially designed hard chrome finish burnishing cone that automatically burnishes the flare face. The heat treated dies grip the tubing without scoring. The swivel-type yoke is self-centering.

70004



For 45° flaring of  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{5}{8}$ " O.D. soft copper, aluminum and brass tubing.



70071

The 70071 Deluxe Flaring Tool incorporates nine different sized hardened dies that rotate into position for the correct desired tube size. The compact design features a unique burnishing cone that achieves a smooth, polished flare. Heat treated dies grip the tubing without scoring or constricting.

Automatic  
tube height gauge  
shown at right.

For 45° flaring of  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ "  $\frac{5}{8}$ ", and  $\frac{3}{4}$ " O.D. soft copper, aluminum and brass tubing.







## Flare/Burnish/Swage Kit and Punch Type Swage Tool

# Flaring/Swaging Tools

### Flare/Burnish and Swaging Tool Kit

**FORT U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



70007

Swaging means one solder joint, not two. It now takes half the time to solder and braze the fitting with less chance of a leak.

For 45° flaring of  $\frac{1}{8}$ ",  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and  $\frac{3}{4}$ " O.D. soft copper, aluminum and brass tubing.



Part#	Description	Part#	Description
70048	$\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{3}{8}$ " O.D. Tube	70051	$\frac{5}{8}$ " O.D. Tube
70049	$\frac{5}{16}$ " O.D. Tube	70052	$\frac{3}{4}$ " O.D. Tube
70050	$\frac{1}{2}$ " O.D. Tube	70053	45° Flare

Converts quickly to Swaging Tool with use of Swage Adaptors for  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and  $\frac{3}{4}$ " O.D. tubing. Kit with swivel-type self centering yoke fitted in plastic case with instructions.

### Punch Type Swaging Tools

Designed to enlarge one end of copper tubing to make a connection without a fitting. Swaging means one solder joint, not two. It now takes half the time to solder and braze the fitting with less chance of a leak.



70006

Part#	Description
70006	Multi Swage Punch [6-in-1] $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " O.D.



70005

Part#	Description
70005	Swage Punch Kit- 5 pcs. in Vinyl Pouch $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " O.D.



70046

Part#	Description
70041	Swage Punch $\frac{1}{4}$ " O.D.
70042	Swage Punch $\frac{5}{16}$ " O.D.
70043	Swage Punch $\frac{3}{8}$ " O.D.
70044	Swage Punch $\frac{1}{2}$ " O.D.
70045	Swage Punch $\frac{5}{8}$ " O.D.
70046	Swage Punch $\frac{3}{4}$ " O.D.
70047	Swage Punch $\frac{7}{8}$ " O.D.

70047



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**85**

8 Tubing Tools



# All New! Premium, Heavy Duty Tubing Cutters

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

## Premium Mini Cutters

UTC701



The Mini Cutter rollers are grooved to allow close cutting at flared end of tubing.



**UTC701  
MINI  
TUBING  
CUTTER**

Part#	Capacity	Application
UTC701	1/8" to 1" O.D.	For Copper, Brass and Aluminum Tubing

FEATURES: • RUGGED CAST ALUMINUM BODY • COMPACT SIZE TO CUT IN TIGHT SPACES  
• LARGE, NON-SLIP THUMBSCREW FOR PRECISE CUTTING PRESSURE CONTROL

UTC702



The sliding block design lets you cut in tight work areas.



**UTC702  
MINI  
TUBING  
CUTTER**

Part#	Capacity	Application
UTC702	1/8" to 1 1/8" O.D.	For Copper, Brass and Aluminum Tubing

FEATURES: • RUGGED CAST ALUMINUM BODY • COMPACT SIZE TO CUT IN TIGHT SPACES  
• LARGE, NON-SLIP THUMBSCREW FOR PRECISE CUTTING PRESSURE CONTROL

## Premium Cutter

Handy fold-away reamer and bonus spare cutter wheel.



UTC703

**UTC703  
PREMIUM  
TUBING  
CUTTER**

Part#	Capacity	Application
UTC703	1/8" to 1 3/8" O.D.	For Copper, Brass and Aluminum Tubing

FEATURES: • ENCLOSED TELESCOPIC FEED SCREW MECHANISM FOR SMOOTH CUTTING ACTION  
• 4 ROLLER TRACKING FOR TRUE SQUARED CUT • FLARE CUT-OFF GROOVE FOR CLOSE CUTTING DAMAGED FLARE • FOLD-AWAY REAMER • SPARE CUTTER WHEEL



**All New! Premium Heavy Duty/Quick-Action**



# Tubing Cutter

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



**Premium Cutter**

UTC704

Use the built-in deburrer for smooth, tight fitting cut edges

**UTC704  
PREMIUM  
TUBING  
CUTTER**

Part#	Capacity	Application
UTC704	1/8" to 1 3/4" O.D.	For Copper, Brass and Aluminum Tubing

**FEATURES:** • ENCLOSED TELESCOPIC FEED SCREW MECHANISM FOR SMOOTH CUTTING ACTION  
• 4 ROLLER TRACKING FOR TRUE SQUARED CUT • FLARE CUT-OFF GROOVE FOR CLOSE CUTTING DAMAGED FLARE • BUILT IN DEBURRING TOOL • SPARE CUTTER WHEEL

## Quick-Action Premium Cutter

The spring loaded ratchet cutter wheel feeding system enables quick-action contact/release for tubing size adjustment. Two small and two large rollers ensure true square cut on the smallest and the largest tubing capacities. For cutting brass, aluminum and copper tubing.



UTC705

Quick-action, spring loaded mechanism adjusts and releases for tubing size changes.

Part#	Capacity	Application
UTC705	1/4" to 2 3/4" O.D.	For Copper, Brass and Aluminum Tubing

**UTC705  
PREMIUM  
TUBING  
CUTTER**

**FEATURES:** • 4 ROLLER TRACKING FOR TRUE SQUARE CUT • REMOVABLE DEBURRER  
• SPARE CUTTER WHEEL

**REPLACEMENT  
PARTS**

Part#	Description
UTC706	• 2 Cutter Wheels • Holder Axle • C-clip

Replacement Parts for: UTC701, UTC702, UTC703, UTC704, UTC705



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**8 Tubing Tools**



## Standard and Mini Tubing Cutters

# Tubing Cutters

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Precision feed screw mechanism that is enclosed to eliminate clogging and jamming for trouble-free performance. These tube cutters maintain the same length for accurate cutting of copper, brass and aluminum tubing in restricted spaces. The rollers are grooved for cutting close to flared end of tubing. A deburrer/reamer and spare cutter wheel are included.

70090



$\frac{5}{16}$ " to  $1\frac{5}{8}$ " O.D.  
(8mm to 42mm)

70090 includes a removable deburring tool for removing sharp edges from tubing. (Replacement #70091)



70001 includes a fold-away reamer tool for removing sharp edges from tubing.



$\frac{1}{8}$ " to  $1\frac{1}{4}$ " O.D.  
(3mm to 32mm)

70001



$\frac{1}{8}$ " to  $\frac{7}{8}$ " O.D.  
(3mm to 22mm)

## Mini Tubing Cutters

Compact body and sliding block design for use in restricted areas. The large, knurled feed screw knob provides precision adjustments. The rollers are grooved for cutting close to flared end of tubing. For copper, brass and aluminum tubing.



$\frac{1}{4}$ " to  $1\frac{1}{8}$ " O.D.  
(6mm to 28mm)  
Spare Cutter Wheel



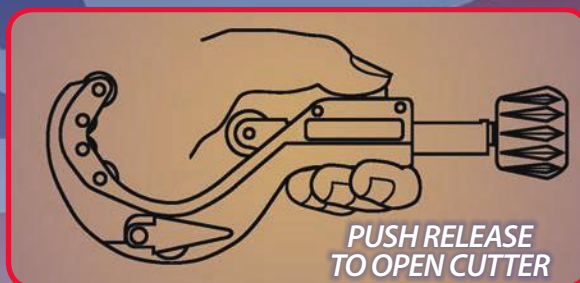
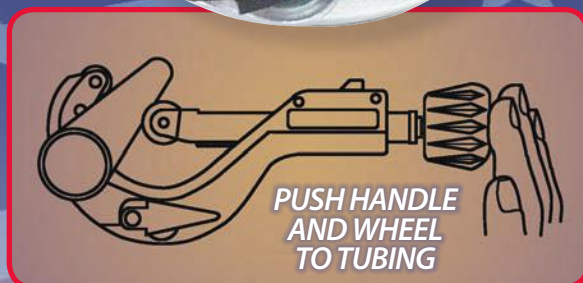


# Quick Action Tubing Cutter

## Tubing Cutter

**FOR U.S. JOBS**  
UNIWELO EMPLOYS OVER 300 WORKERS

The spring loaded ratchet cutter wheel feeding system enables quick-action contact/release for tubing size adjustment. Two small and two large rollers ensure perfect cutting action on the smallest and the largest tubing capacities. For cutting brass, aluminum and copper tubing.



**8 Tubing Tools**

	Tubing Cutter	Cutter Wheel Display Pkg.	Cutter Wheel Bulk Pkg.	Cutter Wheel Screw
<b>Tubing Cutter Replacement Parts</b>	70000	70025	70029	70032
	70001	70025	70029	70032
	70002	70027	70031	70035
	70024	70025	70029	*[A] 70038 **[B] 70039
	70090	70027	70031	70035

\*[A] Holder Axle, \*\*[B] Clip

70054 Empty Kit Box (with card)



**70040**  
**Tubing Cutter Parts Kit**  
Includes: 6 each: 70031, 70035, 70038, 70039  
12 each: 70029, 70032



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## CrossBow™ Tube Bender/Spring Benders

# Ratchet Tube Bender

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld's CrossBow™ Ratchet Tube Bender enables plumbers and HVAC/R technicians to make precision bends up to 90° with soft copper and aluminum tubing. The low friction mandrels and rotating side support blocks provide precision bending in restricted spaces. Bend tubing sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1 1/8" O.D. You can produce bends with minimum distortion for optimal flow. Repeated alternate angled bends are possible with the CrossBow™ Ratchet Tube Bender, housed in a rugged plastic carrying case.



*CrossBow Kit includes:  
6 interchangeable  
mandrels; 3 rotating  
side support block bars;  
1 ratchet bender;  
plastic carrying case  
and instructions*



RTB118



*Minimum  
distortion  
bends up  
to 90°*

## 8 Tubing Tools

Part#	Description
RTB118	Crossbow Ratchet Tube Bender, Sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1 1/8" O.D.
RTBCA118	1 1/8" Crossbar Assembly
RTBCA58	3/8", 1/2" and 5/8" Crossbar Assembly
RTBCA78	3/4" and 7/8" Crossbar Assembly
RTBM118	1 1/8" Mandrel for Crossbow Ratchet Tube Bender
RTBM12	1/2" Mandrel for Crossbow Ratchet Tube Bender
RTBM34	3/4" Mandrel for Crossbow Ratchet Tube Bender
RTBM38	5/8" Mandrel for Crossbow Ratchet Tube Bender
RTBM58	7/8" Mandrel for Crossbow Ratchet Tube Bender
RTBM78	1 1/8" Mandrel for Crossbow Ratchet Tube Bender
RTBR	Crossbow Ratchet Tube Bender Body Assembly
RTBRC	Crossbow Ratchet Tube Bender Replacement Case



## Spring Tube Benders

Free-form bending of soft copper and aluminum tubing with UniWeld Spring Tube Benders. Spring slips over tubing and prevents collapsing of tube walls during bending. Achieve fast and professional bends.

Part#	Description
70028	Bending Spring Set [4 Sizes] 1/4", 3/8", 1/2", 5/8" O.D.
70016	Bending Spring 1/4" O.D. [0.64 cm]
70017	Bending Spring 5/16" O.D. [0.79 cm]
70018	Bending Spring 3/8" O.D. [0.95 cm]
70019	Bending Spring 1/2" O.D. [1.27 cm]
70020	Bending Spring 5/8" O.D. [1.59 cm]
70021	Bending Spring 3/4" O.D. [1.90 cm]

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## 3-in-1 Triple Tube Bender/Lever Benders

# Tubing Benders

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

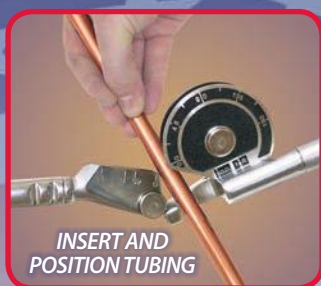
The Uniweld 3-in-1 Triple Tube Bender is a compact and durable tool with multiple bending channels that is capable of bending 1/4", 5/16" and 3/8" O.D. soft copper, aluminum and soft stainless steel tubing. Calibrated markings show angle of bend for accurate left hand, right hand and offset bends up to 180°. 1" bend radius.

### 3-in-1 Triple Tube Bender

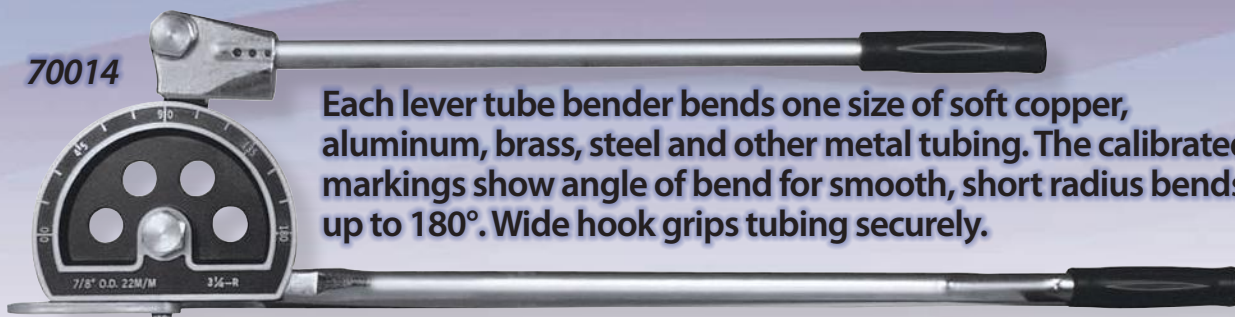
70010

70015

### Lever Type Tube Benders



70014



Each lever tube bender bends one size of soft copper, aluminum, brass, steel and other metal tubing. The calibrated markings show angle of bend for smooth, short radius bends up to 180°. Wide hook grips tubing securely.

Part#	Description	Tube Diam.	Bend Radius	Part#	Description	Tube Diam.	Bend Radius	Part#	Replacement Part
70009	Bender	5/16" O.D.	1 1/16"	70012	Bender	5/8" O.D.	2 1/4"	70082	Hook for 70012 Bender
70010	Bender	3/8" O.D.	1"	70013	Bender	3/4" O.D.	3"	70083	Hook for 70013 Bender
70011	Bender	1/2" O.D.	1 1/2"	70014	Bender	7/8" O.D.	3 1/4"	70084	Hook for 70014 Bender
								70085	Washer for 70086
								70086	Screw for 70082, 70083 & 70084



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## Gas Pressure Test Kit/Water Manometer

# Check your Pressure

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

This precision test kit includes a sensitive diaphragm gauge that is calibrated in inches of water column for extreme accuracy. Convenient to use without the mess of water or worry of mercury. Uniweld developed the 0-15" W.C. Gas Test Kit to accurately accommodate both natural gas at 3-4" W.C. and LP gas at 11-12" W.C.; eliminating the need for two separate kits.

Use these accurate kits to measure gas pressure across appliance manifolds. Test gas stoves, furnaces, dryers and other gas appliances.



A new Uniweld design feature allows you to easily zero reset the gauge needle by simply twisting open the dial lens to access the adjusting screw located on the dial face.



### Part# Description

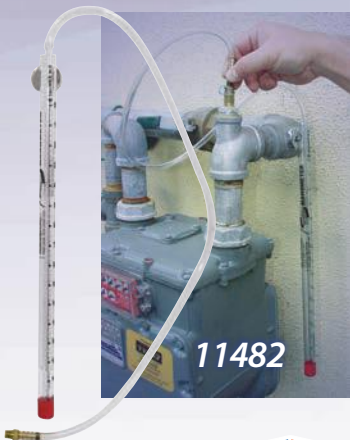
45503	Scale: 0-35" W.C., 0-20 oz./In <sup>2</sup>
45506	Scale: 0-15" W.C., 8.6 oz./In <sup>2</sup>

Part#	Description	Replacement Parts	Part#	Description
45595	Brass Fitting, Barbed x 1/8" M.P.T.		45598	Gauge Lens
45596	Rubber Nipple		45599	Carrying Case
45597	Black Rubber Hose			

Uniweld Gas Pressure Test Kits include: A Diaphragm Gauge that accurately sets manifold pressure for Natural or LP gas; a Brass Fitting (barbed x 1/8" M.P.T.) and rubber tube with nipple for easy connection; Molded Plastic Case; Instructions.

## Water Manometer

An economical way to check/set manifold pressure in furnaces and gas appliances that use Natural or LP gas. Fill with water to zero and place in vertical position using the included magnet. Attach fitting to manifold and begin pressure test. Pressure reading (from 0-15" water column) is shown in small tube.





**Bottom Mount/Center Back Mount/Lower Back Mount**



# Tridicators

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Designed primarily for hot water boiler systems. Two instruments in one...you can measure water pressure in PSI and H<sub>2</sub>O feet, plus monitor temperature in °F and °C.

*3½" Tridicator has adjustable lens with indicator mark.*

## Round Tridicator Gauges

Large 2½" and 3½" round dials available in bottom and center back mount.



**GT568**  
Bottom Mount



**GT565**  
Center Back Mount x 2" Extension



**GT512-2**  
Bottom Mount

## 3½" Square Tridicator Gauges

Large 3½" square dials available in bottom mount and lower back mount.



**GT562-2**  
Lower Back Mount

Part#	UPC#	Description
<b>GT512-2</b>	69116	3½" Square Tridicator, 0-60 PSI, 0-400 kPa and 70-250 °F, 20-120 °C, ½" NPT B.M.
<b>GT562-2</b>	69117	3½" Square Tridicator, 0-60 PSI, 0-400 kPa and 70-250 °F, 20-120 °C, ½" NPT L.B.M.
<b>GT565</b>	69130	2½" Round Tridicator, 0-75 PSI/170 ft. H <sub>2</sub> O, 60-260 °F/20-120 °C, ¼" NPT C.B.M. x 2" Extension
<b>GT566</b>	69131	2½" Round Tridicator, 0-75 PSI/170 ft. H <sub>2</sub> O, 60-260 °F/20-120 °C, ¼" NPT C.B.M.
<b>GT568</b>	69133	3½" [80mm] Round Tridicator, 0-75 PSI/170 ft. H <sub>2</sub> O, 60-260 °F/20-120 °C, ½" NPT B.M.

## Pocket Bi-Metal Thermometer

Pocket Thermometer with 1" dial and stainless steel case. Color-coded °F and °C dial face. Stainless steel 5" pointed stem. Field calibration.

**69901**  
-40°F to 160°F  
-40°C to 70°C



**69902**  
-0°F to 220°F  
-10°C to 104°C



*Protective sheath with pocket clip*



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## Top Mount and Side Mount Gauges/Water Test Gauges



# Gas Test Gauges

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Use to pressure test all new installations for leaks and inspection codes.

After installation and the system has been pressurized, the leakage will be indicated by a pressure drop on the gauge.



**TGB30**  
Top Mount



**TGB6**



**GP210-5**



**TGH30**  
Side Mount

Gauge	Replacement Gauges	1/2" FPT Box	1/2" FPT Display	*Top Mount 3/4" FPT Box	*Top Mount 3/4" FPT Display	1" FPT Box	1" FPT Display	Side Mount 3/4" FPT Box	Side Mount 3/4" FPT Display
**0-5 psi/in. <sup>2</sup> 140" W.C. 360 mb [2.5" (63mm)]	GD308	TGB205	41302	TGB5	41355	TGB105	41402	TGH5	41458
15 psi, 2" 1/10 lb. incr. Full Scale	GP210-5	TGB215	41304	TGB15	41353	TGB115	41404	TGH15	41453
30 psi, 1/4 lb. incr., 2"	GP211-5	TGB230	41305	TGB30	41354	TGB130	41405	TGH30	41456
60 psi, 1 lb. incr., 2"	GP212-5	TGB260	41306	TGB60	41356	TGB160	41406	TGH60	41459
100 psi, 1 lb. incr., 2"	GP213-5	TGB2100	41303	TGB100	41352	TGB1100	41403	TGH100	41452
**0-6 psi/1/10 lb., 0-12 in. of Mercury, 4" [100mm]	GD408IP	TGB206	41307	TGB6	41357	TGB106	41407	TGH6	41460
0-15 psi/1/10 lb., 0-30 in. of Mercury, 4" [100mm]	GS410-51P	TGB4215	41308	TGB415	41358	TGB4115	41408	TGH415	41461

\*\*Special sensitive 2 1/2" diaphragm gauge for more accurate low pressure reading.

\*Uniweild reserves the right to use either plated steel or an aluminum hex body when supplying a top mount gas test gauge assembly.

## Water Test Gauges

Replacement Parts and Gauges

**TGW300DP**

Part#	Description	Replacement Parts and Gauges	Description
<b>TGW300</b>	Water test gauge with 3/4" female hose connection, 2 1/2" gauge, 300 PSI	<b>TGW</b>	3/4" FHT x 3/4" female NPT connection only
<b>TGW300DP</b>	Water test gauge with 3/4" female hose connection, 2 1/2" gauge, 300 PSI Drag Pointer	<b>GS316-5</b>	2 1/2", 300 PSI, 12 o'clock dial
<b>TGW160</b>	Water Test gauge with 3/4" female hose connection, 2 1/2" gauge, 160 PSI	<b>GS316-5DP</b>	2 1/2", 300 PSI, 12 o'clock dial, Drag Pointer







# Plastic and Steel Cased Utility Gauges

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

Versatile, accurate and durable, these general purpose utility gauges are suitable for use on pressure media that are non-corrosive to brass or bronze. They are fitted with either bottom mount (BM) or center back mount (CBM) connections and are available in black plastic or black steel cases.

Pressure Range	1 1/2" Diameter				2" Diameter				2 1/2" Diameter			
	Black Steel Case		Black Plastic Case		Black Steel Case		Black Plastic Case		Black Steel Case		Black Plastic Case	
	1/8" BM	1/8" CBM	1/8" BM	1/8" CBM	1/4" BM	1/4" CBM	1/4" BM	1/4" CBM	1/4" BM	1/4" CBM	1/4" BM	1/4" CBM
Hg PSI	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#
30" Hg+	GS100	GS150	GP100	GP150	GS200	GS250	GP200	GP250	GS300	GS350		
30" Hg	GS108	GS158	-	-	GS208	GS258	-	-	GS308	GS358		
30" - 15	GS101	GS151	-	-	GS201	GS251	-	-	GS301	GS351		
30" - 30	GS102	GS152	-	-	GS202	GS252	-	-	GS302	GS352		
30" - 60	-	-	-	-	-	-	-	-	GS303	GS353		
30" - 100	-	-	-	-	-	-	-	-	GS304	GS354		
30" - 150	-	-	-	-	GS205	GS255	-	-	GS305	GS355		
PSI	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#
15	GS109	GS159	-	-	GS209	GS259	-	-	GS309	GS359		
15+	GS110	GS160	GP110	GP160	GS210	GS260	GP210	-	GS310	GS360		
.1 lb. incr.	-	-	-	-	GS210-5	-	GP210-5	-	-	-		
30	GS111	GS161	GP111	GP161	GS211	GS261	GP211	-	GS311	GS361		
.25 lb. incr.	-	-	-	-	GS211-5	-	GP211-5	-	-	-		
60	GS112	GS162	GP112	GP162	GS212	GS262	GP212	-	GS312	GS362		
1 lb. incr.	-	-	-	-	GS212-5	-	GP212-5	-	-	-		
100	GS113	GS163	GP113	GP163	GS213	GS263	GP213	-	GS313	GS363		
1 lb. incr.	-	-	-	-	GS213-5	-	GP213-5	-	-	-		
160	GS114	GS164	GP114	GP164	GS214	GS264	GP214	GP264	GS314	GS364		
200	GS115	GS165	GP115	GP165	GS215	GS265	GP215	GP265	GS315	GS365		
300	GS116	GS166	GP116	GP166	GS216	GS266	GP216	GP266	GS316	GS366		
400	GS117	GS167	GP117	GP167	GS217	GS267	GP217	GP267	GS317	GS367		
600	GS118	GS168	-	-	GS218	GS268	-	-	GS318	GS368		
1000	GS119	GS169	-	-	GS219	GS269	-	-	GS319	GS369		
1500*	GS120	GS170	-	-	GS220	GS270	-	-	GS320	GS370		
2000*	GS121	GS171	-	-	GS221	GS271	-	-	GS321	GS371		
3000*	GS122	GS172	-	-	GS222	GS272	-	-	GS322	GS372		
4000*	GS123	GS173	-	-	GS223	GS273	-	-	GS323	GS373		
5000*	GS124	GS174	-	-	GS224	GS274	-	-	GS324	GS374		
6000*	-	-	-	-	GS225	GS275	-	-	GS325	GS375		

NOTE: The following alternate options are available: [1] Stainless steel case in 1 1/2" or 2" diameter with CBM or BM connections. To order, change "GS" to "GSC". [2] Panel mount in black steel with posi-lock lens and CBM connections. To order, change "GS" to "PP". [3] 1 1/2" "PP" gauge available with chrome plated ring. To order, change "GS" to "PC". We reserve the right to send dual scaled gauges. If dual scales required, add the suffix [-1] for PSI-kg/cm<sup>2</sup>, [-2] for PSI-kPa [-3] for PSI-Bar. Many other options available. Call for more information. Shipped individually boxed. Add "D" to Part# for display card. Individually boxed gauges will have a UPC#, if requested.

## 2" High Pressure CO<sub>2</sub> Gauges Black Steel Case

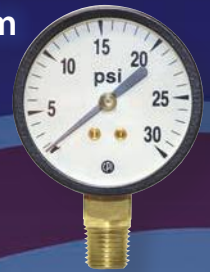
2" High Pressure Gauge with red zone for gas order alert. For use with CO<sub>2</sub> or other compressed gases. 1/4" NPT.

UL Listed.

Part#	UPC#	Description
GS241	51241	Bottom Mount [RHT] 3000 PSI
GS242	51242	Bottom Mount [LHT] 3000 PSI
GS243	51243	Side Mount [RHT] 3000 PSI
GS244	51244	Side Mount [LHT] 3000 PSI



RHT - Right Hand Thread  
LHT - Left Hand Thread  
Not for Oxygen service



1/4" NPT • BM  
2" diam. Black Steel Case



1/8" NPT • CBM  
1 1/2" diam. Black Plastic Case



1/8" NPT • CBM  
1 1/2" diam. Black Steel Case



1/4" NPT • BM  
2 1/2" diam. Black Steel Case

9 Gauges



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## Liquid Filled/Flowgauges/Medical Gauges

# Liquid Filled Gauges

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

Liquid fill (Glycerine) dampens the damaging effects of excessive vibration and pulsation while providing continuous lubrication of the internals; helping to prevent corrosion. Meets (A.N.S.I. B40.1) Grade B for accuracy. Normal operating pressure range is -14°F to 140°F.



GSL311-3



G51D

Part#	UPC#	Pressure Range	Part#	UPC#	Pressure Range
GSL301-3	69103	30" Hg - 0 - 15 PSI [-1 - 0 - 1 Bar]	GSL316-3	69113	0 - 300 PSI [0 - 20 Bar]
GSL302-3	69104	30" Hg - 0 - 30 PSI [-1 - 0 - 2 Bar]	GSL317-3	69114	0 - 400 PSI [0 - 27 Bar]
GSL303-3	69105	30" Hg - 0 - 60 PSI [-1 - 0 - 4 Bar]	GSL318-3	69115	0 - 600 PSI [0 - 40 Bar]
GSL308-3	69106	30" Hg Vac. [0 to - 1 Bar]	GSL319-3	69118	0 - 1000 PSI [0 - 70 Bar]
GSL309-3	69107	0 - 15 PSI [0 - 1 Bar]	GSL320-3	69119	0 - 1500 PSI [0 - 100 Bar]
GSL311-3	69108	0 - 30 PSI [0 - 2 Bar]	GSL321-3	69120	0 - 2000 PSI [0 - 140 Bar]
GSL312-3	69109	0 - 60 PSI [0 - 4 Bar]	GSL322-3	69121	0 - 3000 PSI [0 - 200 Bar]
GSL313-3	69110	0 - 100 PSI [0 - 7 Bar]	GSL324-3	69122	0 - 5000 PSI [0 - 350 Bar]
GSL314-3	69111	0 - 160 PSI [0 - 11 Bar]	GSL325-3	69123	0 - 6000 PSI [0 - 400 Bar]
GSL315-3	69112	0 - 200 PSI [0 - 14 Bar]	GSL327-3	69124	0 - 10,000 PSI [0 - 700 Bar]

## Flowgauges and Medical Gauges

UniWeld Flowgauges are designed for MIG and TIG welding applications. UniWeld Medical Gauges are designed for medical gas delivery systems in hospitals and in the home.



Green Face with White increments

G55D

## 9 Gauges

Part#	UPC#	Flow Gauges
G51D	54104	1 1/2" Gauges [1/8" NPT] Steel Case 40 SCFH, Argon, AR/CO <sub>2</sub> MIX [75%-25%] Calibrated for 71 Dr./0.026 Orifice [60 PSI Max.]
G87D	54104	1 1/2" Gauges [1/8" NPT] Steel Case 10-40 SCFH, CO <sub>2</sub> Calibrated for 71 Dr./0.026 Orifice [60 PSI Max.]
G76D	54217	2" Gauges [1/4" NPT] Brass Case 10-50 SCFH, AR/CO <sub>2</sub> MIX [75%-25%] Calibrated for 67 Dr./0.032 Orifice [60 PSI Max.]
G77D	54219	2" Gauges [1/4" NPT] Brass Case 20-100 SCFH, CO <sub>2</sub> Calibrated for 67 Dr./0.032 Orifice [60 PSI Max.]
G86D	54222	2" Gauges [1/4" NPT] Brass Case 10-50 SCFH, CO <sub>2</sub> Calibrated for 69 Dr./0.029 Orifice [60 PSI Max.]
G76SD	54217	2" Gauges [1/4" NPT] Steel Case 10-50 SCFH, AR/CO <sub>2</sub> MIX [75%-25%] Calibrated for 67 Dr./0.032 Orifice [60 PSI Max.]
G77SD	54219	2" Gauges [1/4" NPT] Steel Case 20-100 SCFH, CO <sub>2</sub> Calibrated for 67 Dr./0.032 Orifice [60 PSI Max.]
G86SD	54222	2" Gauges [1/4" NPT] Steel Case 10-50 SCFH, CO <sub>2</sub> Calibrated for 69 Dr./0.029 Orifice [60 PSI Max.]
G55D	54106	1 1/2" Gauges [1/8" NPT] Chromed Case 15 LPM, Plated Socket, Oxy Calibr. for 73 Dr./0.024 Orifice [60 PSI Max.]
G54D	54105	1 1/2" Gauges [1/8" NPT] Chromed Case, Plated Socket 4000 PSI.
G62D	54211	2" Gauges [1/8" NPT] Chromed Case 15 LPM, Plated Socket, Oxy Calibr. for 77 Dr./0.018 Orifice [120 PSI Max.]
G63D	54212	2" Gauges [1/8" NPT] Chromed Case, Plated Socket 4000 PSI.







Replacement Gauges/Lenses/Boots

# Welding Gauges

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS



**G15D**



**PSI Only**



**PSI/Kg**  
Add (-1)  
to Part#



**PSI/kPa**  
Add (-2)  
to Part#



**PSI/Bar**  
Add (-3)  
to Part#

Pressure  
Calibration

## 1 1/2" GAUGES [1/8" NPT]

Powder Painted  
Steel Case  
B.M.

Gold  
Steel Case  
B.M.

Gold  
Steel Case  
C.B.M.

## 2" GAUGES [1/4" NPT\*\*]

Brass  
Case  
B.M.

Brass  
Case  
C.B.M.  
WITH WEEP HOLE

Gold  
Steel Case  
B.M.

## 2 1/2" GAUGES [1/4" NPT\*\*]

Brass  
Case  
B.M.

Gold  
Steel Case  
B.M.

15 PSI	-	G20D [BLUE]	-	-	-	-	-	-
30 PSI [Red Line 15-30]	G15D* (Red)	G79D*	-	G2D	-	G2SD	G22D	G22SD
30 PSI	-	G80D*	-	G74D	-	G74SD	G75D	G75SD
60 PSI	-	G83D*	-	G5D	G105	G5SD	G25D	G25SD
100 PSI	G49D* (Green)	G85D*	G185	G6D	G106	G6SD	G26D	G26SD
200 PSI	-	G78D*	G178	G4D	G104	G4SD	G24D	G24SD
300 PSI	-	G84D*	G184	G33D	-	G33SD	-	-
400 PSI	-	G73D*	-	G1D	G101	G1SD	G21D	G21SD
1/4, 1/2, 3/4 CONTENTS	G19D* (Red)	-	-	-	-	-	-	-
600 PSI	-	-	-	G8D	G108	G8SD	G28D	G28SD
1000 PSI	-	-	-	G34D	-	G34SD	-	-
4000 PSI,  LISTED	G56D* (Green)	G82D*	G182	G7D	-	G7SD	G27D	G27SD
6000 PSI,  LISTED	-	-	-	G44D	-	G44SD	G46D	G46SD

B.M. = Bottom Mount. C.B.M. = Center Back Mount. \* With Gauge Boot.  
\*\* For 1/8" NPT add [-4] to Part Number.



**1 1/2"**  
Gauge  
Boot Set  
Black

**GB15S**

## Replacement Lenses



**GB20S**  
2"  
Gauge  
Boot Set  
Black

	Part#	1 1/2" Description	Part#	2" Description	Part#	2 1/2" Description
<b>DISPLAY CARD</b>	PL15	Posi-Lock	PL2	Posi-Lock	PL25	Posi-Lock
<b>BULK</b>	05-1-52	Flat Plastic	05-2-52-4	Flat Plastic		
	05-1-52-7	Posi-Lock	05-2-52-7	Posi-Lock	05-3-52-8	Posi-Lock
	05-1-63	Friction Ring	05-2-63-2	Friction Ring		



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**97**

**9 Gauges**





# Soft Solder and Self Fluxing Aluminum Alloys

**FOR U.S. JOBS**  
UNIWELD EMPLOYS OVER 300 WORKERS

UniWeld's UNI-4300 aluminum soft solder kit with metal tip flux applicator is a great solution for the service technician who is frequently confronted with the task of repairing or joining aluminum to aluminum and aluminum to copper or brass. A common repair problem occurs when an air conditioning system's evaporator coil develops a small pinhole leak.

**JOINS  
ALUMINUM,  
COPPER  
AND  
BRASS**

UNI-4300 is an excellent product for this repair application due to its low melting point of 500 °F [260 °C] and 20,000 PSI tensile strength.

*For best results, prepare the tubing by cleaning the surface and removing any oil, grease and oxides. To remove the oil and grease, use a chemical solvent. The oxides should be removed using only a stainless steel wire brush or emery cloth.*

## TUBING SURFACES MUST BE CLEAN.

When making a repair on an evaporator coil, it will be necessary to preheat the tubing prior to applying the flux. A common mistake when making this type of repair is to apply the flux and then begin heating the tubing. The evaporator coil disperses the heat and the tubing never reaches the melting temperature of the alloy. The flux then overheats and burns, then becomes an inhibitor that doesn't allow the alloy to bond properly to the base metal.

Preheat the evaporator tubing and then apply the flux using the metal tip flux applicator. Continue applying heat until the flux starts to bubble and then apply the UNI-4300 solder into the area being repaired.



P4KD9



P4KD9S



## UNI-4200 Self Fluxing Aluminum Rods

Used for joining and repairing aluminum extrusions and castings. Also can be used for the manufacture and repair of aluminum doors and windows, repairing ladders, gutters, siding, aluminum boats and instrument boxes. Most kirkSITE and zinc based dies can be repaired with this alloy. May also be used as wear-facing alloy on aluminum.



P3KH9

Part#	Description
P3KH9	UNI-4200 Self fluxing Aluminum rods
P4KD9S	UNI-4300 Aluminum solder [10 ft. coil] with a 2 oz. flux bottle & metal tip flux applicator
P4KD9	UNI-4300 Aluminum solder [10 ft. coil] with a 1 oz. flux bottle
F6CYAK	UNI-4300 2 oz. flux bottle
F6CYL	UNI-4300 1 oz. flux bottle



# Silver Bearing Solder and Brazing Alloy



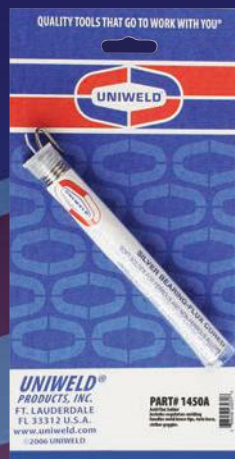
# Alloys

**FOR U.S. JOBS**  
UNIWELED EMPLOYS OVER 300 WORKERS

## UNIBRITE 1450A

### Acid Flux Cored Silver Bearing Solder

Uni-brite is a high strength acid core silver bearing soft solder. Free of cadmium, zinc, lead or antimony. Can be used on most alloys including copper, brass, stainless steel and nickel. A low working temperature of 430 °F [221 °C] eliminates weakening of the base metal caused by high heat brazing, resulting in greater overall strength of the components being joined.



Product	Description	Solidus Melting Point
<b>B1KD9 UNIBRITE 1450A</b>	1/16" X 10'	430 °F [221 °C]

## UNI-1450 Soft Soldering Flux #F4CYG

A heavy duty liquid soft soldering flux that removes oxidation from surfaces to be soldered and improves wetting characteristics of the liquid solder.



**F4CYG**  
4 oz.  
Bottle

## UNI-1000 Silver Brazing Flux #F19YJ

Use with Phos-Copper silver brazing alloys when joining dissimilar base metals such as Copper to Brass  
Active Range:  
1000 °F - 1800 °F  
(538 °C - 982 °C)



**UNI-BRITE  
1450A**

**APPLICATOR  
BRUSH  
IN CAP**

**F19YJ**  
7 oz. Jar

## UNI-1500FC (Flux Coated) Low Fuming Bronze Brazing Alloy



**F28YF**  
3.5 oz. Jar



**UNI-1500FC**

Superior wetting for complete tinning and general purpose brazing. Ideal for maintenance repairs on steel materials other than stainless steel. Use for fabricating and repair of galvanized sheets, pipes or angles. Tensile strength: 75,000 psi.

Uni-1500 Flux dissolves and removes oxides rapidly and thoroughly without bubbling and flows the filler metal into the joint freely and smoothly.

Product	1lb. Package	Solidus Melting Point
	3/32" X 18" Rod    1/8" X 18" Rod	
<b>Uni-1500FC</b>	C42F1    C42H1	1620 °F [882 °C]



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**99**

**10 Alloys**

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40003	74	42264	48	49010	70	70017	90
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# Flame Tools Safety Training



North American Technician Excellence (NATE), headquartered in Arlington, VA, was founded in 1997 and is the nation's largest non-profit certification organization for heating, ventilation, air conditioning and refrigeration technicians. NATE is the only technician certification organization governed, owned, operated, developed and supported by the HVACR industry.

**COURSE NAME: FLAME TOOLS SAFETY TRAINING**

**NATE COURSE# 6111-0001**

**CONTINUING EDUCATION HOURS (CEH): 2 HOURS**

**COURSE OVERVIEW: A field training course that last approximately 2 hours with lecture/discussion and demonstrations.**

**REQUIRED TOPICS:**

- **Introduction Overview** of Uniweld Products, Inc.
- **Fire Triangle** - A review of the Fire Triangle and the basic elements of fire.
- **Fuel Gases and Cylinders** - General discussion on the different types of fuels used to braze and solder copper tubing. Working temperatures of the various fuels and their applications. Safety precautions when working with the various fuel gases and cylinders.
- **Flame Tools** - A review of oxyacetylene and air-fuel flame tools and their applications within the HVACR, Plumbing and Maintenance industries.
- **Flame Tool Set Up and Safety** - Step by step procedure on setting up an oxyacetylene outfit and the proper safety procedures to apply when in use. This will include a review on setting the regulator delivery pressures based on the tip size used, proper procedures on shutting down an oxyacetylene outfit and preparing it for storage.
- **Alloys** - Review of the various alloys used in soldering/brazing, including aluminum alloy.
- **Nitrogen Regulators and Flow Indicators** - Review the use of nitrogen when purging an AC or R system and the effective way to monitor nitrogen flow.
- **Brazing Demonstration** - Review capillary action of brazing alloy with proper brazing techniques and which flame tool to use in certain applications.

All attendees must sign a NATE Official Recognized Provider Attendance Record.

This course applies to the following NATE course outlines:

SERVICE		INSTALLER	
ACSV	Air Conditioning – Air to Air	ACIN	Air Conditioning – Air to Air
HPSV	Heating – Reverse Cycle Air to Air	HPIN	Heating – Reverse Cycle Air to Air
RLSV	Light Commercial Refrigeration	RLIN	Light Commercial Refrigeration
RCSV	Commercial Refrigeration		

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# Marketing / Sales Aids



English  
Safety Poster  
Part #USP8E

Spanish  
Safety Poster  
Part #USP8S



## SAFETY POSTERS



French  
Safety Poster  
Part #USP8F

Arabic  
Safety Poster  
Part #USPA



UniWeld Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Customer Service: 800.323.2111  
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# Marketing / Sales Aids



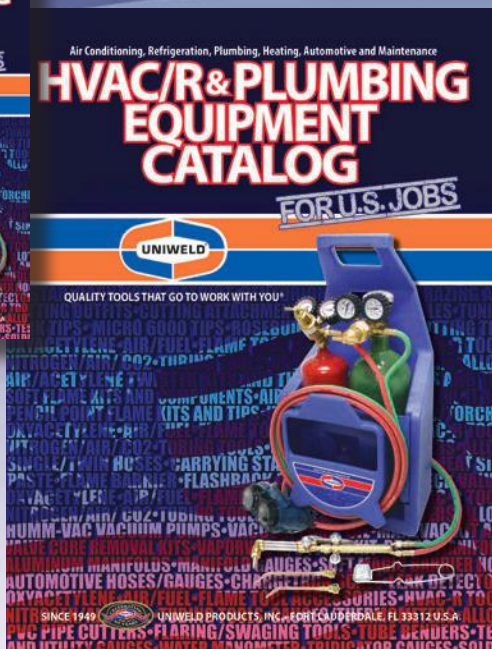
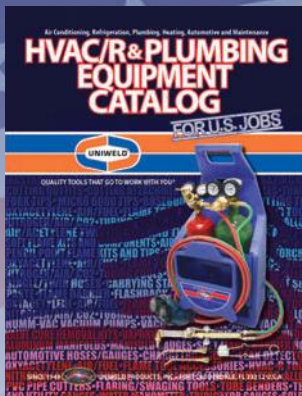
## BANNER

Vinyl Banner 38"x 27" with Grommets  
Part # BANNER



## DISTRIBUTOR DECALS

English Part #L002E  
Spanish Part #L002S



**Digest Size**  
5.5" X 7"  
Part #UGACATD

**Standard Size**  
8.5" X 11"  
Part #UGACAT

## CATALOGS



## UNIWELD CAP

Part #UNIWELDCAP



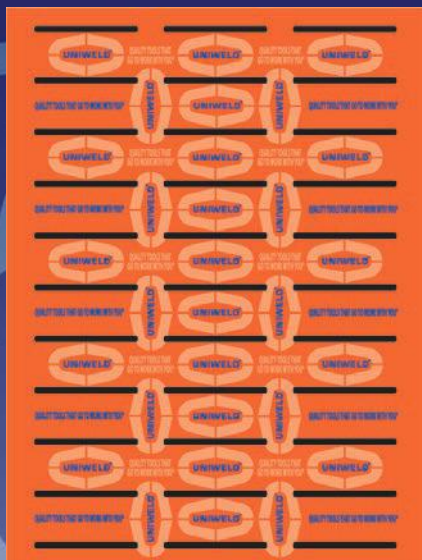




# Marketing / Sales Aids

UniWeld merchandising display materials help organize product selection to stimulate interest and entice technicians to make a purchase. The UniWeld headers, vinyl pegboard and slatwall covers can be applied to existing floor displays or wall mounted materials. Contact your local UniWeld representative to order and setup your merchandising display today!

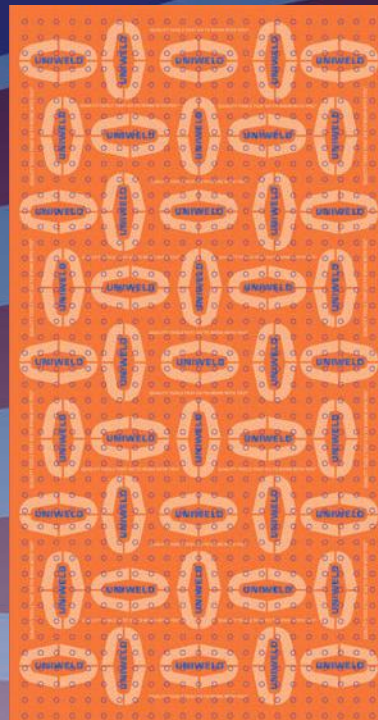
## SLATWALL COVERS



(24" x 32")

Part # UWVSWC Slatwall Vinyl Cover w/tape

## PEGBOARD COVERS



(24" x 47")

Part # UWVPC Pegboard Vinyl Cover with Black Plastic Cover Pegs (6 per Cover)

Part # PHCH Black Plastic Cover Pegs

## UNIWELED HEADERS



(24.5" x 8.5")

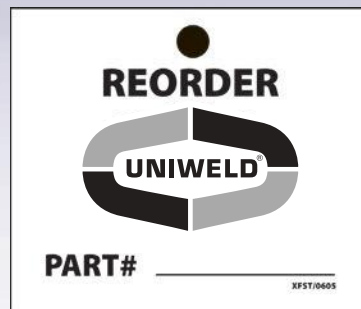
Part # UWGH Gondola Header w/2-Self Stick Clips

Part # UWPH Pegboard Header w/Black Button Pegs

Part # UWSWH Slatwall Header w/Double Sided Tape

Part # UWSH Spinner Header

## REORDER TAG



Part # XFST



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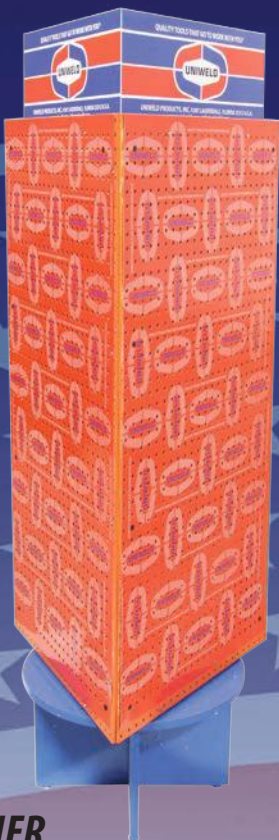
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# Marketing / Sales Aids

## MERCHANDISING SPINNER DISPLAY

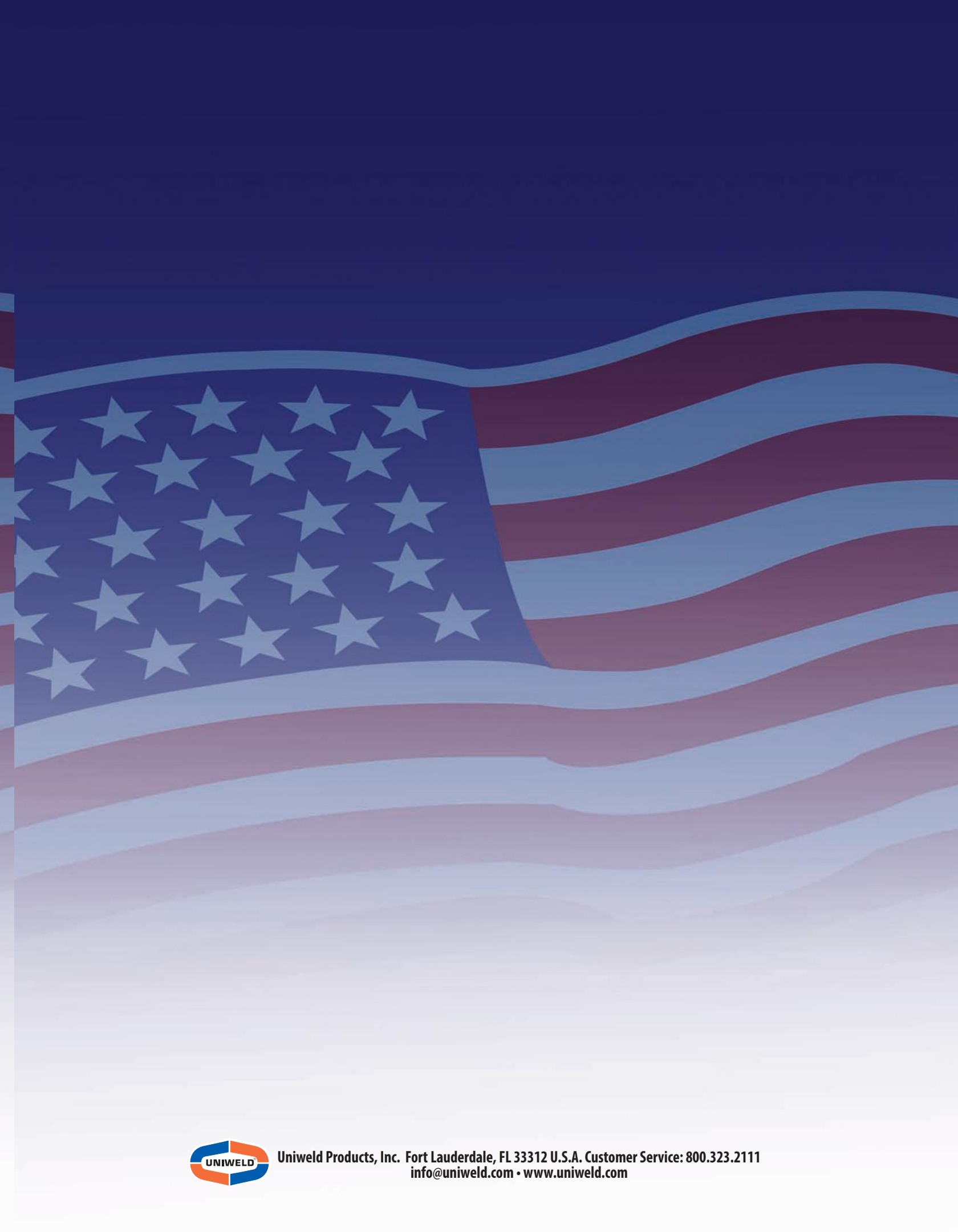


### Part # SPINNER

- Measuring 24" (W) x 61" (H), this display has three pegboard sides and fully rotates.
- Features attractive, durable orange and blue Uniweld logo vinyl pegboard covers and header sign.
- Includes: (25) 4" Pegboard Hooks, (10) 8" Pegboard Hooks, (50) Reorder Tags, Authorized Distributor Decals and instructions.
- Products sold separately
- Contact your local Uniweld representative and order your Merchandising Spinner display today!







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# Marketing / Sales Aids

## MERCHANDISING GONDOLA DISPLAY



### Part # GONDOLA

- Measuring 48" (L) x 54" (H) x 12" (W) display with base shelf.
- Features attractive, durable orange and blue Uniweld logo vinyl pegboard covers and header sign.
- Includes: (25) 4" Pegboard Hooks, (10) 8" Pegboard Hooks, (50) Reorder Tags, Authorized Distributor Decals and instructions.
- Products sold separately
- Contact your local Uniweld representative to order and setup your Merchandising Gondola display today!



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# HVAC/R&PLUMBING EQUIPMENT CATALOG

Since 1949, Uniweld, a U.S. Manufacturer, has employed over 300 workers who help design, manufacture, and distribute U.S. made products to be sold worldwide! As we celebrate 65 years of manufacturing excellence, our focus is ever set on the future to provide a superior product coupled with unmatched customer service. Uniweld's World Headquarters and manufacturing facility based in Ft. Lauderdale, FL has state of the art robotic CNC machines that produce quality flame tools, accessories, and pressure gauges for the air conditioning, refrigeration, plumbing, heating, automotive and maintenance industries. We thank you for supporting Uniweld Product.

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