

HVAC/R CATALOG OF **OUTFITS, TOOLS** AND **ACCESSORIES**

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



QUALITY TOOLS THAT GO TO WORK WITH YOU®



UNIWELD PRODUCTS, INC.
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Introduction to Flame Tools

This catalog displays a full range of flame tools for the HVAC/R, Plumbing, Automotive and Industrial Maintenance Professionals. When deciding on what flame tools you may need, first ask yourself, "Will I be using it for welding or cutting steel, soldering or brazing copper tubing, or maybe all of the above and more?" So, let's discuss what the basic industry definitions are for the above mentioned applications and then look at what flame tools will be required to accomplish the job.

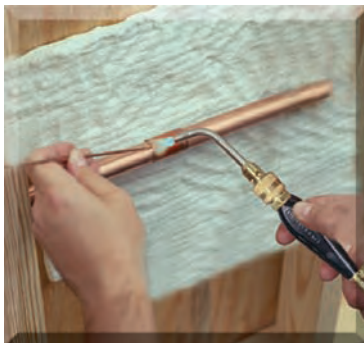
WELDING: Welding is the joining of similar metals by heating until molten and then fusing them together, usually with a similar filler material.

CUTTING: is a process whereby an area of steel is heated to pasty range [over 1600 °F] and a jet of oxygen is added into this heated area causing the iron 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 the filler material melts below 800 °F, it is soldering; above 800 °F, it is brazing. In general, soldering will provide a permanent bond but brazing is preferred when vibration, temperature and higher tensile strength are considerations.



WELDING



SOLDERING

What is the fire triangle and how is it used with a flame tool? Fire consists of three elements, **1] Fuel, 2] Oxygen and 3] Ignition. This is called the fire triangle.** There are various types of flame tools based on use of fuel and source of oxygen. In the following paragraphs are the types of flame tools available from Uniweld Products, Inc. that will be described in detail throughout this catalog.

OXYACETYLENE: This is when two separate tanks are used to supply the oxygen and acetylene fuel. Combining oxygen with acetylene produces a concentrated flame of approximately 5600 °F that is ideal for brazing copper tube, welding and cutting steel and general maintenance repair. This type of flame tool is preferred by HVAC/R tradesmen because of its hot concentrated flame with minimal heat transfer into heat sensitive components. Heat transfer is minimized with use of proper tips. Uniweld offers a wide selection of portable outfits that range from the basic starter outfit to a more complete maintenance outfit with a cutting attachment and accessories.

AIR/ACETYLENE: These flame tools use a single tank of fuel and by induction of the outside air create a very efficient flame. The target heat is 2700 °F and is ideally suited for soldering and brazing copper tube.

This type of flame tool is very popular with plumbers and HVAC/R tradesmen. Air/Acetylene has gained popularity because of the acetylene tank's portability and capacity. Tank size is usually a B [40 cu. ft.] or MC [10 cu. ft.]. There are several types of air/acetylene flame tools that Uniweld offers, such as *Soft Flame*, *Thruster®* and *Twister®*.

AIR/LP GAS: These flame tools use 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]. They start out as liquid and must go through a heat exchange vaporization process to become a gas. They are very efficient, providing hours of service from a small lightweight portable tank. The target heat for propane is 1750 °F and MAP//Pro™ [Propylene] is 2400 °F. Uniweld offers a full selection of Air/LP tip sizes for soldering and brazing copper tubing up to 4".



CUTTING



BRAZING





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DISPLAY
PACKAGING**



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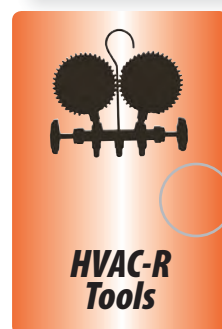
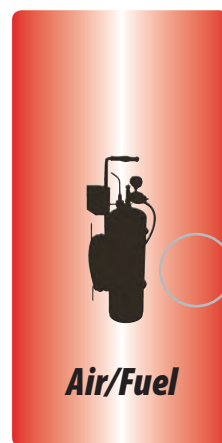
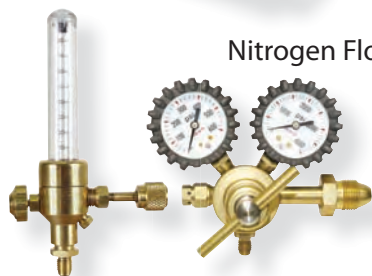




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**HVAC-R
Tools**



**Nitrogen,
Air & Co₂**



TubingTools



**Gauges
Thermometers**

Alloys





Master® Outfits

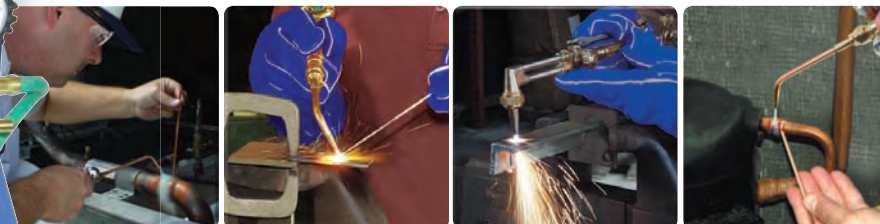
Highly rated by commercial refrigeration technicians, *Master®* outfits contain all the necessary top of the line components for welding, cutting and brazing.



KL550-4

Oxyacetylene

**★★★★★
RATED**

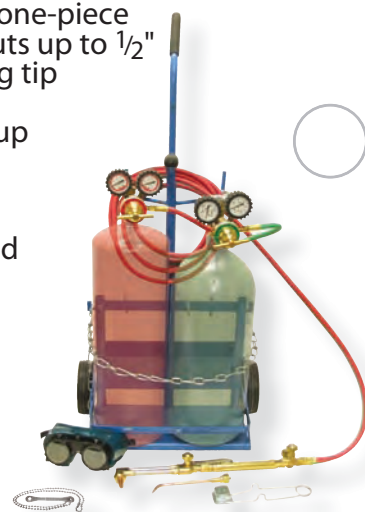


Outfits include:

- 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 25/8" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel

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



KL550-TR

KL550-4P-T

Part#	UPC#	Welding Handle	Welding/Brazing Tip	Rosebud Heating Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
KL550-4	82200			Type17-15		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	WH550	Type17-2	Type17-15	CA550	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		5-101-2D	12106 [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



Master® Outfits

For the Maintenance Service Technician



This premium outfit includes all the components of the *Master®* 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

Outfits include:

- 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. 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

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



KLT550-4C-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

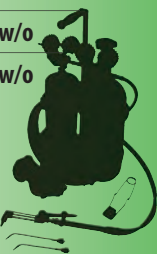
RATED

Part#	UPC#	Welding Handle	Welding/ Brazing and Heating Tip	Acetylene Tip	Adaptor	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
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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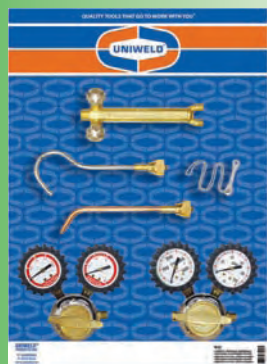


Cap'n Hook® Outfits

For Welding and Brazing

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.

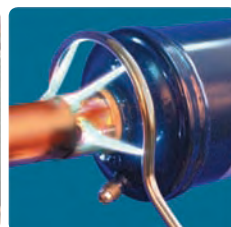


K22

Oxyacetylene



K22P-T



NEW! DISPLAY PACKAGING

Outfits include:

- 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 7/8" copper tubing



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

RATED

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

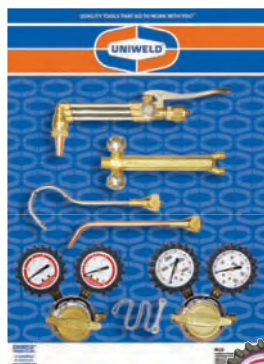


Cap'n Hook® Outfits



For Cutting, Welding & Brazing

We've added a cutting attachment and cutting tip 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.



KL22



KL22C-T



Outfits include:

- 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
- Optional cutting tips available for cutting up to 2" steel
- NEW & Improved *Cap'n Hook®* 5 flame tip for brazing up to 7/8" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel

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

**★★★★★
RATED**

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

Part#	UPC#	Welding Handle	Welding Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
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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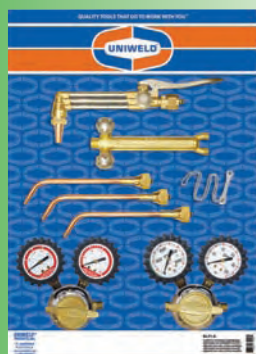




Patriot® Outfits

For Welding, Brazing & Cutting

A favorite choice of refrigeration and HVAC/R service technicians. Three different size welding tips come complete with elbow mixer and nut.



KL71-4

Oxyacetylene



KL71-4C-T

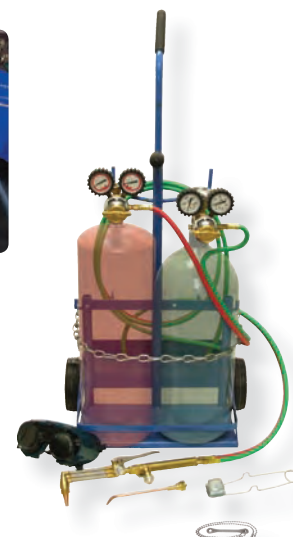
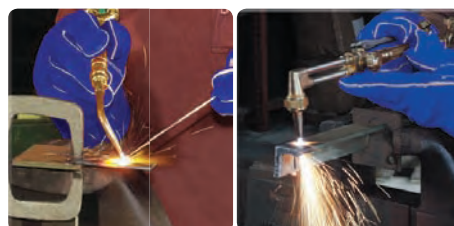
**★★★
RATED**

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

Outfits include:

- Light duty 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

**PLAY IT
SAFE™**

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.

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



Patriot® Outfits

For Maintenance Service Technicians

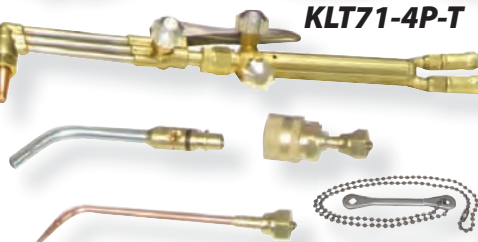


KLT71-4



KLT71-4P-T

**★ ★ ★
RATED**



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



Outfits include:

- 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

Capabilities can be expanded with other accessories purchased separately.

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 Tip	Acetylene Tip	Adaptor	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
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 Tip	A-8 Twister® Adaptor	F13 Air/Fuel	CA100	CT100-0D	R0	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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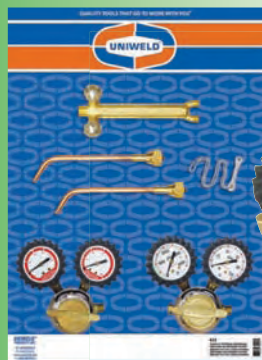
Oxyacetylene



Patriot® Outfits

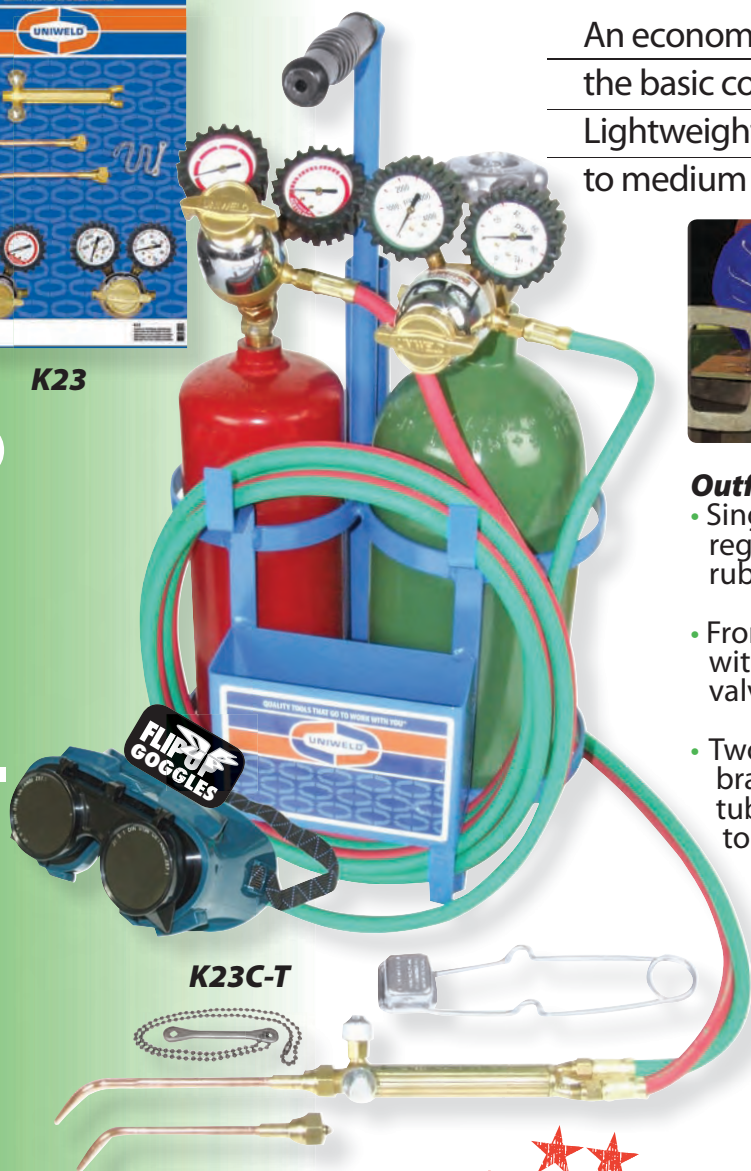
For Welding, Brazing

An economical, contractor grade outfit with the basic components for brazing & welding. Lightweight, portable and effective for light to medium duty job applications.

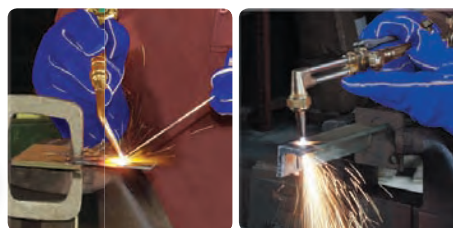


K23

Oxyacetylene



K23C-T



Outfits include:

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

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



K24TB

RATED

Part#	UPC#	Welding Handle	Welding Brazing Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
K23	82300				RMC2	w/o	w/o
K23C	82301				RMC2	500S	w/o
K23C-T	82302		Type17-0		RMC2	500S	MC/R
K23P	82305	71	Type17-2	R0	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



Patriot® Outfits

For Welding, Brazing & Cutting



A cutting attachment and cutting tip have been added to upgrade the capabilities of the contractor outfit.

Outfits available for use with Acetylene, Propane or MAP//Pro™ [Propylene].



Outfits include:

- 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 technology 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

RATED

Oxyacetylene

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	Cutting Attachment	Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Carrying Stand	Tanks*
Acetylene	K46P	82311	71	Type17-2	CA100	CT100-0D	R0	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†	R0	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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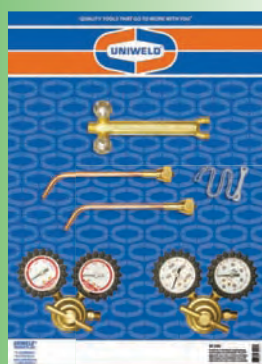


Centurion® Outfits

For Welding and Brazing

An economical, contractor grade outfit with the basic components for brazing and welding.

Lightweight, portable and effective for light to medium duty job applications.



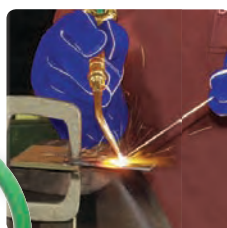
KC100

Oxyacetylene

RATED



KC100CT



KC100FC

Outfits include:

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

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	Cap'n Hook® Tip	Micro 6000™ Specialty Tips	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*			
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							511	MC/R			
KC122P	82621				MTF-5			MTW-1	511	w/o		
KC122L	82620							MTT	w/o	w/o		
KC100FC†	82609			Type17-3						RP3A	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

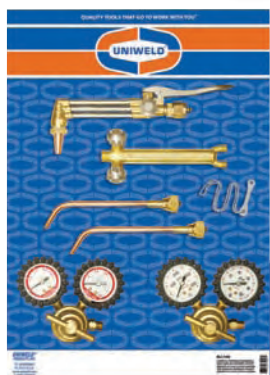


Centurion® Outfits



For Welding, Brazing & Cutting

A cutting attachment and cutting tip have been added to upgrade the economical, Centurion® contractor grade outfit. Lightweight, portable and effective for light to medium duty cutting, welding and brazing applications.



KLC100



Outfits include:

- 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 technology 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

NEW! DISPLAY PACKAGING



Oxyacetylene

RATED

KLC100PT

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
CT = Metal Carrying Stand & Tanks
P = Plastic Carrying Stand
PT = Plastic Carrying Stand & Tanks

Part#	UPC#	Welding Handle	Welding Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
KLC100	82700	71						w/o	w/o
KLC100C	82701		Type17-0					500S	w/o
KLC100CT	82702		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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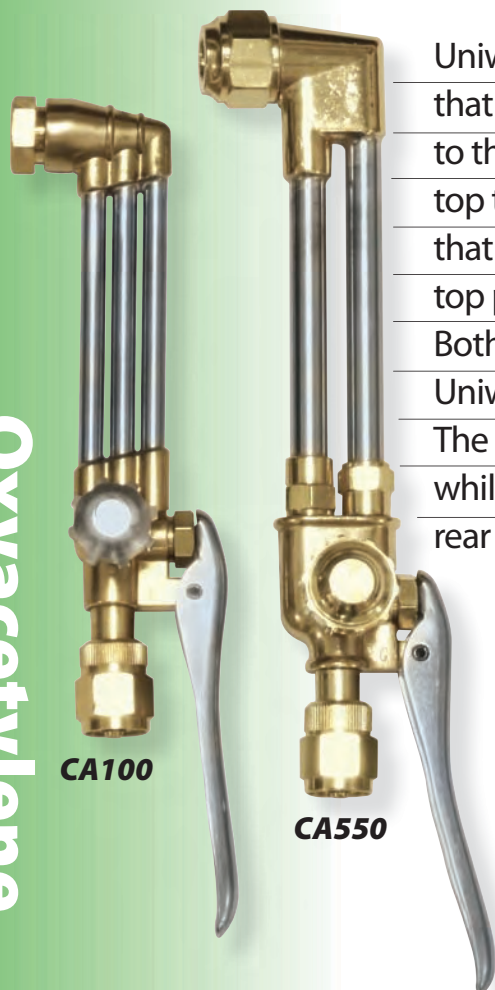




Welding & Cutting

Handles & Attachments

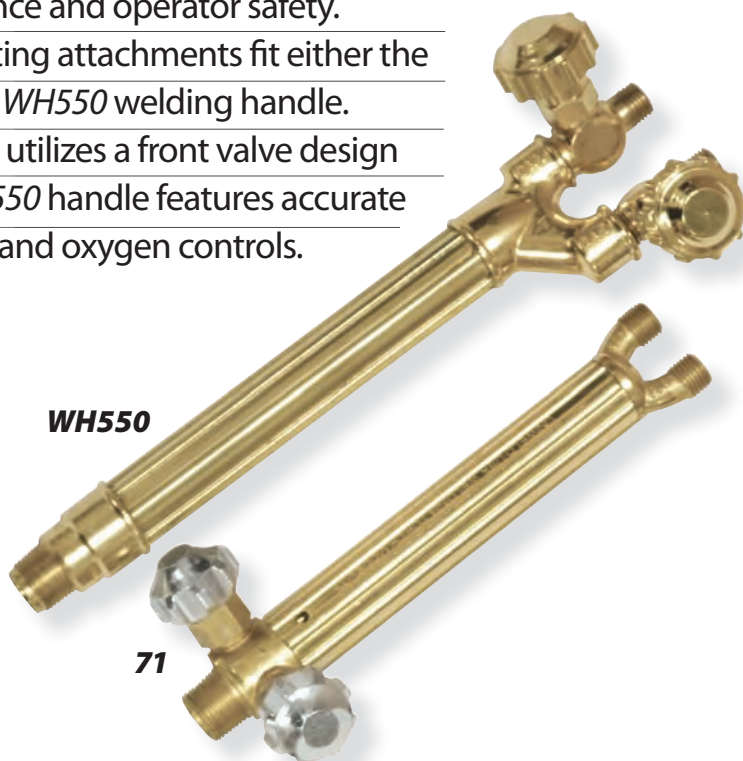
Oxyacetylene



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.



Adaptors convert UniWeld or Prest-O Lite® oxyacetylene tips to fit Prest-O-Lite® or UniWeld oxyacetylene welding handles. [Patents Pending]



PUA

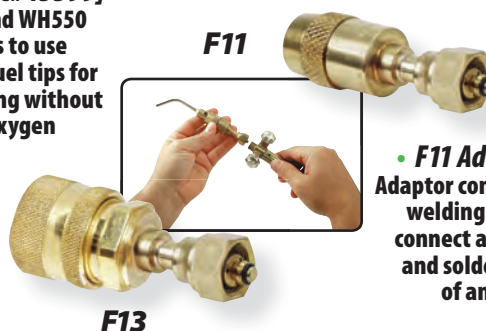
- **PUA [UPC#43125]** Prest-O-Lite® tips to fit UniWeld welding handle.



UPA

- **UPA [UPC#43126]** UniWeld tips to fit Prest-O-Lite® welding handle.

- **F13 Adaptor [UPC#43399]** 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.



F13

- **F11 Adaptor [UPC#43301]** 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.

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

* UL Listed



Play it Safe®



It Pays to Pay Attention in the Work Place

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.

Read the manufacturer's 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.

[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.

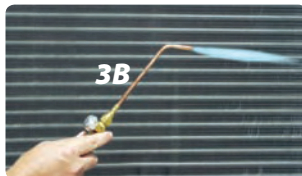


Purge hoses and equipment by briefly opening and closing the oxygen valve and fuel gas valve separately and venting gases safely. Purge hoses and equipment before each use.

[STEP 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 smoke [3A]. If necessary, increase the fuel to clear the smoke.



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 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.



[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 then shut off the regulator by turning the pressure adjusting screw counterclockwise until it is all the way out; relieving the spring tension on the diaphragm and seat assembly. Repeat this same process for the fuel gas [vent safely]. Close all valves tightly and secure the equipment. Now the shutdown is complete!



ASK FOR FREE FULL SIZE (22" X 34") SAFETY POSTER WHEN PLACING YOUR NEXT ORDER



Part#	Description
USP8E	Play-it-Safe Poster, [English]
USP8S	Play-it-Safe Poster, [Spanish]
USP8F	Play-it-Safe Poster, [French]
USPA	Play-it-Safe Poster, [Arabic]

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15

Oxyacetylene



Tips, Tips, Tips...

Brazing, Welding, Cutting...



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

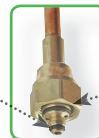
The popular Type17 tips come complete with elbow, mixer and nut.

Use with Acetylene, Propane, MAP//Pro™ [Propylene] and Natural Gas.

Tighten hand tight.

Type17 Weld/Braze Tips

X25R
Small
O-Ring



X26R
Large
O-Ring

Part# TXRK
Kit Includes:
(5) X25R and (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



CT100 Series



5-101 Series



5-200 Series

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.



and more Tips...

For Brazing, Welding & Heating



Rosebuds are your best tip choice for brazing, soldering and heating.

Available in 7" and 12" lengths and several sizes.

Fits 71 and WH550 welding handles.

Rosebud

Heating Tips

Type17-15

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

Replacement Tip Ends only

Type28TE-2	31460
Type28TE-4	31461
Type28TE-6	31462
Type28TE-8	31463

Type28TE-6

Type28-6

Flexible Brazing Tips and Twin Rosebud Heating Tips

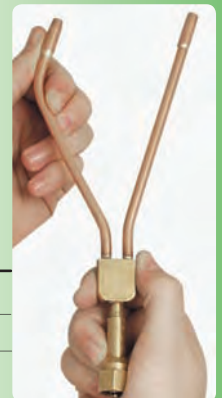
Type17-9

Flexible tips that you can bend to fit the job...even around corners! Then re-bend 'em for the next job.

10 1/2" long with mixer.

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.



Two Type17-30 Tip Ends

Type13-8VM

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17

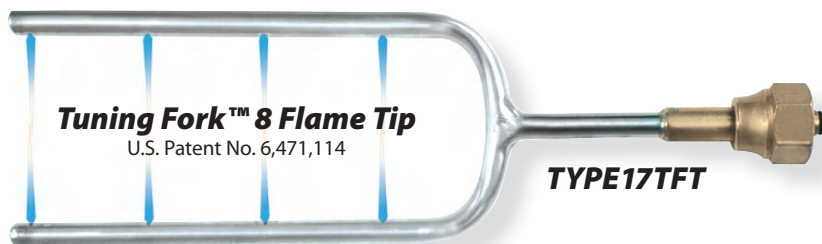
Oxyacetylene





Hot Tips

Tuning Fork™ Tip and Micro 6000™ Miniature Tips



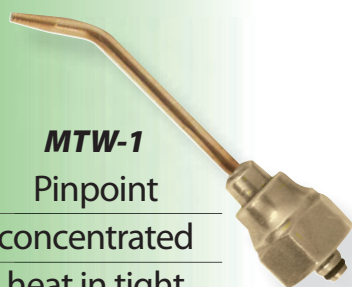
Tuning Fork™ 8 Flame Tip

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

TYPE17TFT

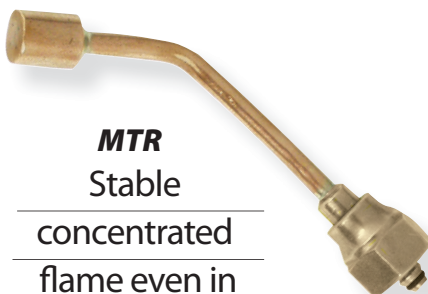
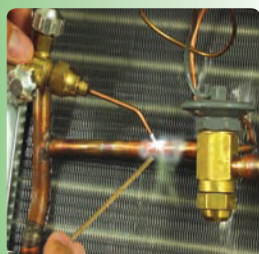
The Tuning Fork™ tip allows you to heat up all the fittings of a heat pump reversing valve at once for easy removal of the defective valve. Now you can remove and install the valve without altering the original copper tube fittings. Micro 6000™ tips heat up to 5600 °F providing pinpoint brazing accuracy. The Tuning Fork™ Tip makes it possible to work efficiently in tight spaces and get even heat quickly in tough-to-reach areas.

Oxyacetylene



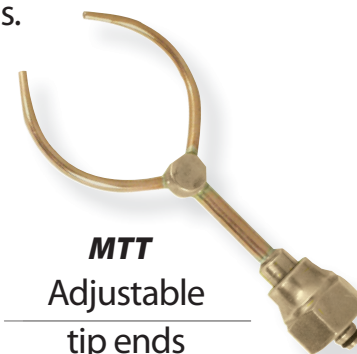
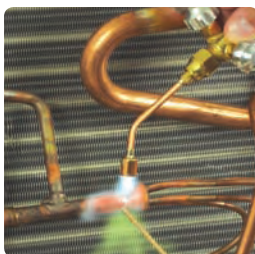
MTW-1

Pinpoint
concentrated
heat in tight
spaces



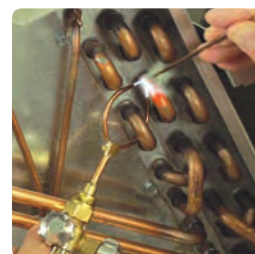
MTR

Stable
concentrated
flame even in
windy conditions



MTT

Adjustable
tip ends
for maximum
control



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

Tuning Fork™ and Micro 6000™ tips fit 71 and WH550 welding handles.



Cap'n Hook® Tips



Oxyacetylene, MAP//Pro™ [Propylene] or Propane

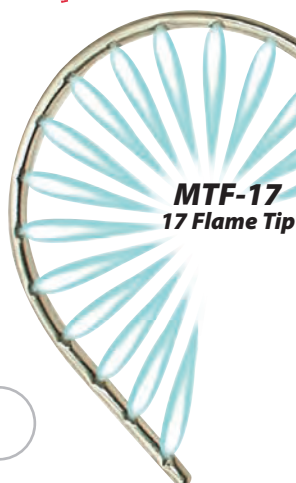
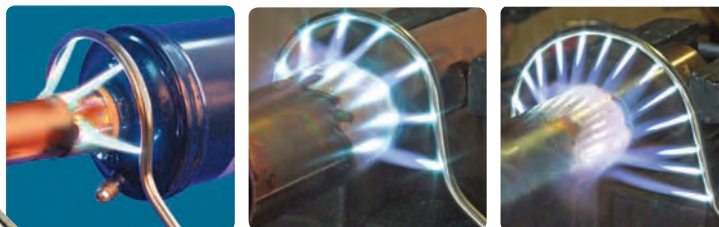
The patented Uniweld Cap'n Hook® tip with concentrated heat [up to 5600 °F].

The 40° flame angle flows onto copper tubing and away from sensitive areas, thus minimizing the chances of burning adjacent components.

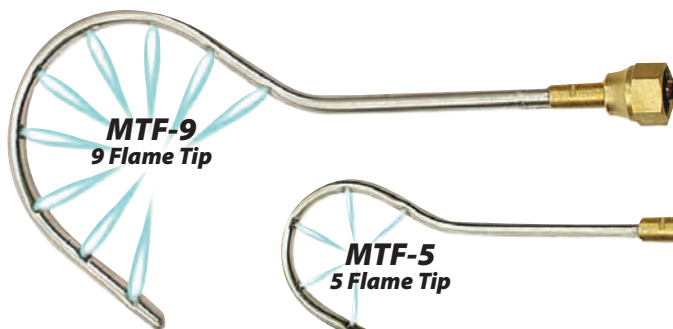
You get 100% wraparound for even heat distribution.

**IMPROVED
DESIGN
WITH MORE
FLAMES**

**UP TO 3 TIMES
FASTER BRAZING
SPEED**



MTF-17
17 Flame Tip



MTF-9
9 Flame Tip



MTF-5
5 Flame Tip

**TOUGH, DURABLE STAINLESS
STEEL CONSTRUCTION**



40° Flame Angle



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

Oxyacetylene

	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene Pressure PSIG	Overall Length	Brazing Copper Tubing [up to]
Acetylene	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]
MAP//Pro™ [Propylene] Propane	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.

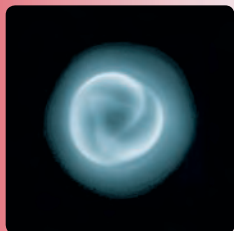
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Twister[®]2

Self Igniting Swirl Combustion Torch Tips



The New 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.

TWISTER[®]2

Air/Fuel

Replaceable Tip Ends

T2A-3TE



T2A-8TE



T2A-5TE



T2A-12TE



4 Sizes:



T2A-3



T2A-5



T2A-8



T2A-12

Electric Ignition

T2A-12

Connects to Uniweld TH6 Torch Handle

Quick Connect Quick Release

Quick Connect	Copper Tubing Capacity			
	Part#	UPC#	Soft Solder	Silver Solder
	T2A-3	43050	Up to 1"	Up to 1/2"
	T2A-5	43051	3/4" to 1 1/2"	1/4" to 3/4"
	T2A-8	43052	1" to 2"	1/2" to 1"
	T2A-12	43053	1 1/4" to 3"	7/8" to 1 5/8"

Tip Ends	Part#	UPC#
	T2A-3TE	43060
	T2A-5TE	43061
	T2A-8TE	43062
	T2A-12TE	43063



Twister[®]2

Self Igniting Swirl Combustion Kits



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.

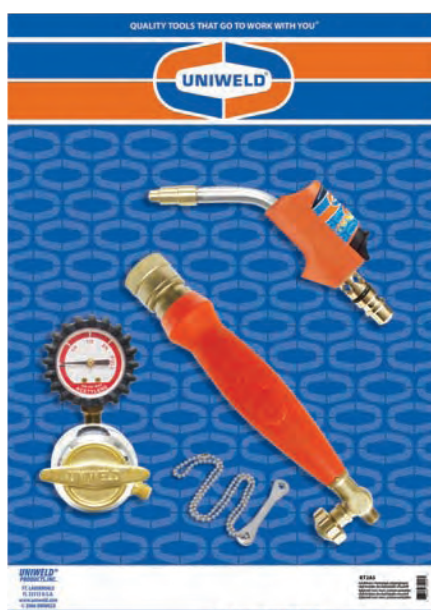
PROTECTIVE RUBBER GAUGE BOOTS



KT2A5MCT

512 Carrying Stand

U.S. Patent No. 4,294,448



KT2A5



KT2A5T

Air/Fuel

TWISTER[®]2

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

Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com





Twister® Tips

Swirl Combustion Tips



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

**STAINLESS
STEEL FLAME
TUBE**

Air/Fuel

A-32

A-14

A-11

A-8

A-5

A-3



**TARGET HEAT AREA
THE MOST EFFICIENT AREA
FOR HEAT TRANSFER.**

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



**All Sizes Also Available
As Screw Connect**

AS-3



	Part#	UPC#	Copper Tubing Capacity		UPC#	Part#	
			Soft Solder	Silver Solder			
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	



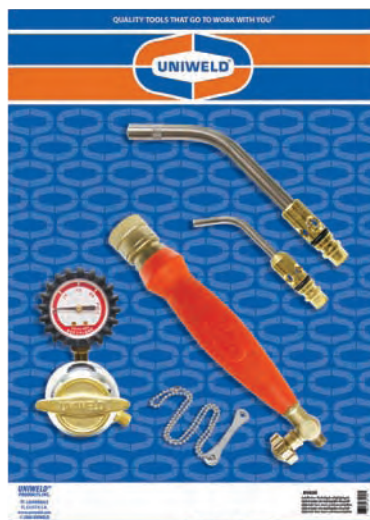
Twister® Kits



**PROTECTIVE RUBBER
GAUGE BOOTS**



89602







89600



89605

Air/Fuel

	Part#	Regulator	Handle	Tips	Carrying Stands	Tanks*
 Quick Connect	89600	RB Acetylene Regulator	 TH6 Quick Connect Handle Rear Control Valve	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
	89629	RB Acetylene Regulator		A-8 Twister® Tip	w/o	w/o
 Screw Connect	89608	RB Acetylene Regulator	 TH3 Screw Connect Handle Rear Control Valve	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.

Uniweld Products, Inc.
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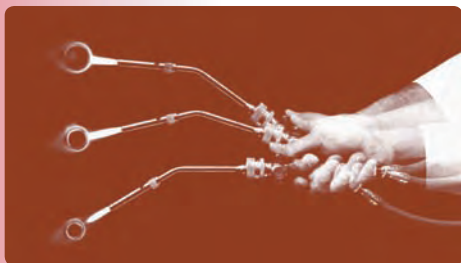




Thruster® Kits

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.

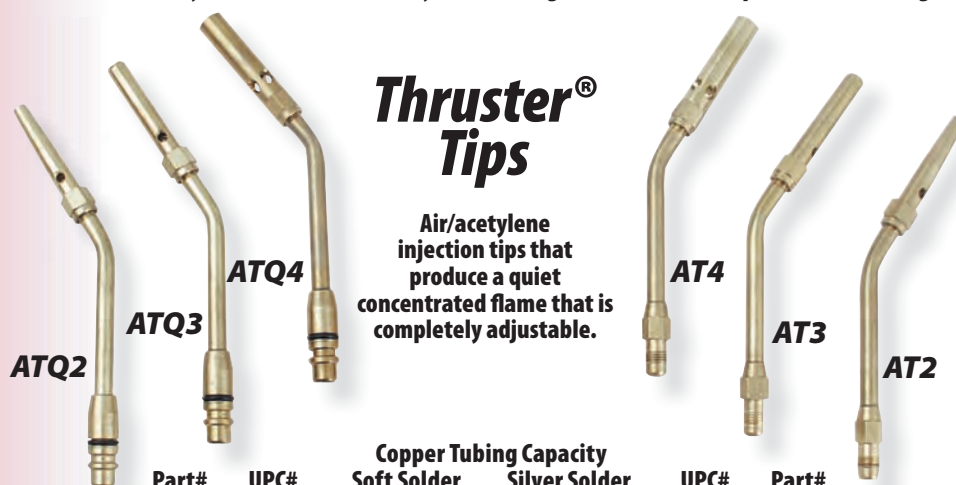
Select either *Quick Connect* or *Screw Connect* tips and either "B" tank or "MC" tank regulators.



KTAQ23
Quick Connect Kit

	Part#	UPC#	Regulator	Tips	Handle
Quick Connect	KTAQ23	89007	RB Acetylene Regulator	ATQ2, ATQ3 Thruster® Tips	TH7 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	
Screw Connect	KTA23	89002	RB Acetylene Regulator	AT2, AT3 Thruster® Tips	TH5 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.



Thruster® Tips

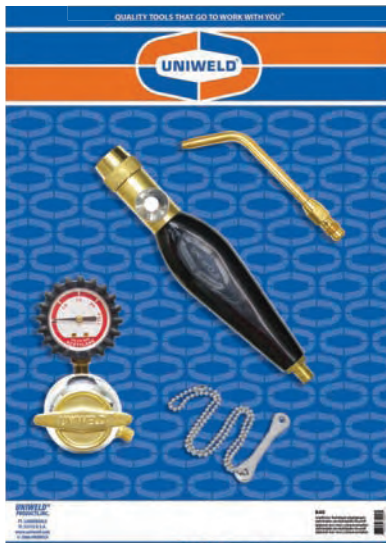
Air/acetylene injection tips that produce a quiet concentrated flame that is completely adjustable.

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

+ ATQ4 and AT4 tips must be used with a 40 cu. ft. or larger cylinder and regulator delivery pressure set at 15 PSIG.



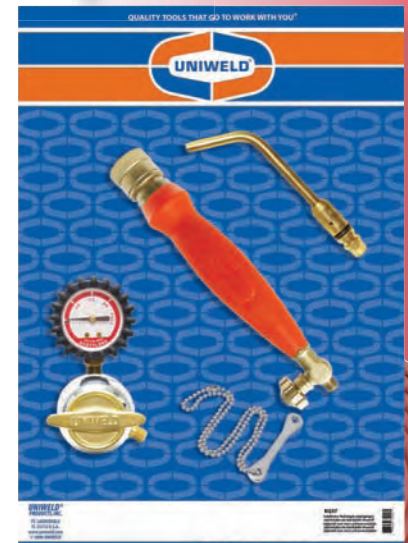
Soft Flame Kits & Tips



K40

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.

PROTECTIVE RUBBER GAUGE BOOTS



KQ37

	Part#	UPC#	Regulator	Tips	Handle
Screw Connect	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
Quick Connect	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.

Soft Flame Tips

S27



S21



S22



S23



ASQ24



ASQ25



ASQ26



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





Specialty Tips

Air/Acetylene Screw Connect

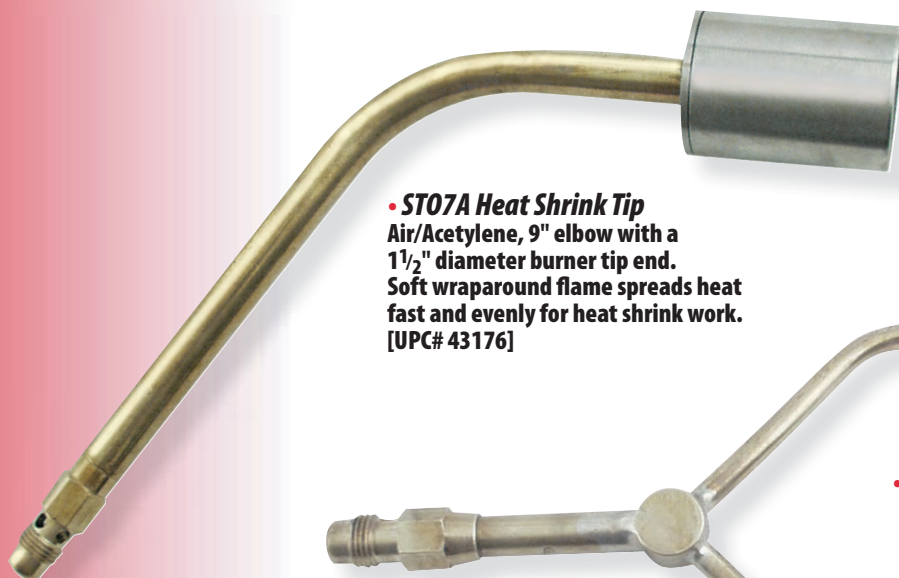
Uniweld produces a wide range of specialty tips that fit our air/fuel screw connect torch handles. Included in this grouping is our sensitive halide leak detector with probe hose.



• **Halide Leak Detector Tip LD32**
with probe hose for use with Air/Acetylene
[UPC# 43200]

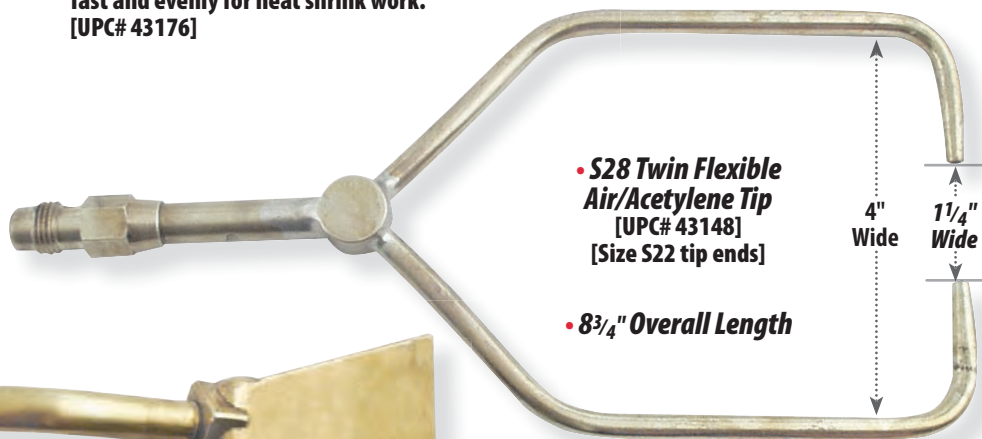
• **H02-3 3 ft. Probe Hose**
for LD32 [UPC# 43205]

• **ST07A Heat Shrink Tip**
Air/Acetylene, 9" elbow with a
1 1/2" diameter burner tip end.
Soft wraparound flame spreads heat
fast and evenly for heat shrink work.
[UPC# 43176]



• **S28 Twin Flexible
Air/Acetylene Tip**
[UPC# 43148]
[Size S22 tip ends]

• **8 3/4" Overall Length**



• **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]



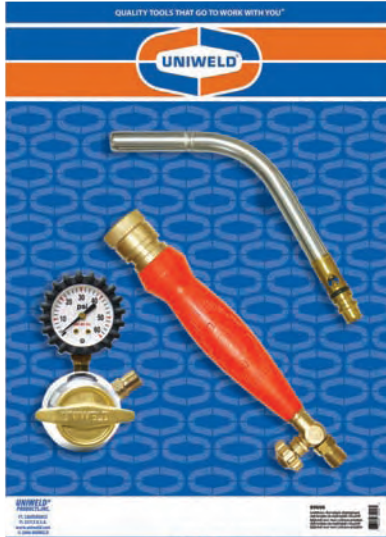
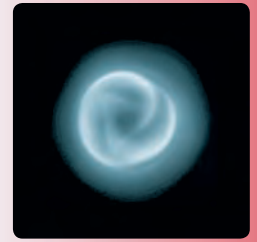
• **Pointed Copper Head CH32**
For Acetylene [UPC#43183]



LP Twister® Kits



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



89606

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.

Target Heat	
Propane	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 Connection	TS-4 Screw Connection
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.

**PROTECTIVE RUBBER
GAUGE BOOTS**

Air/Fuel



**LP Twister®
Tips**

Copper Tubing Capacity									
		Propane Gas			MAP//Pro™ [Propylene] Gas				
		Part#	UPC#	Soft Solder	Silver Solder	Soft Solder	Silver Solder	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	Screw Connect
	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	

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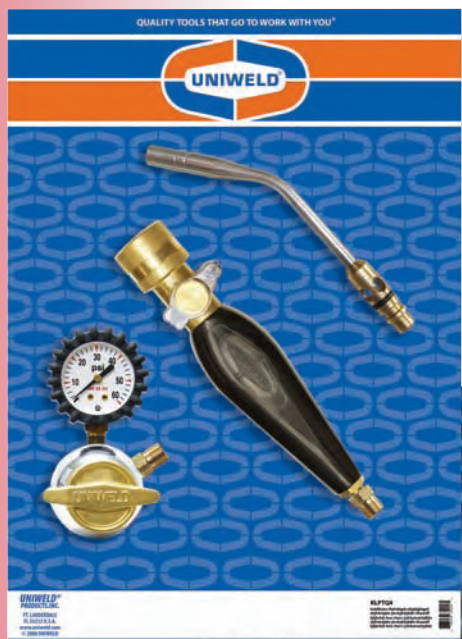




LP Thruster® Kits/Tips

Plumbers and maintenance repair tradesmen swear by the *LP Thruster*® because it's a proven efficient tool and cost effective propane is readily

available. *LP Thruster*® tips have a built-in patented screen diffusion flame holder to maximize combustion. The flame is adjustable without tip burnout.



KLPTQ4

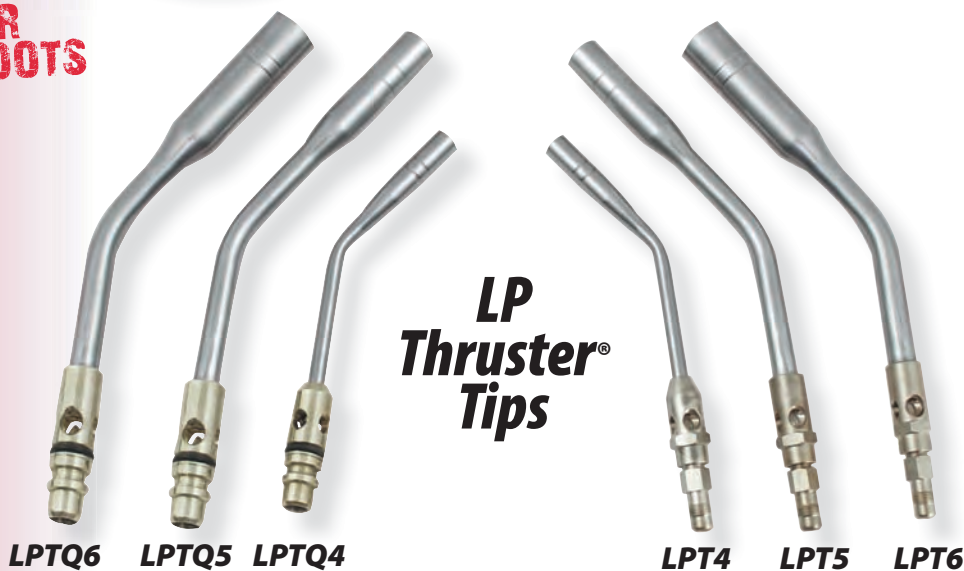


**TARGET HEAT AREA
THE MOST EFFICIENT AREA
FOR HEAT TRANSFER**

Part# UPC#	KLPTQ4 89201	KLPT4 89200
Regulator	RLPB L.P. Regulator CGA510	RLPB L.P. Regulator CGA510
Tips	LPTQ4 Quick Connection	LPT4 Screw Connection
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

**PROTECTIVE
RUBBER
GAUGE BOOTS**



LPTQ6 LPTQ5 LPTQ4

LPT4 LPT5 LPT6

		Copper Tubing Capacity					
		Propane Gas		MAP//Pro™ [Propylene] Gas			
		Soft Solder	Silver Solder	Soft Solder	Silver Solder	UPC#	Part#
Quick Connect	LPTQ4	3/8" to 1"	1/4" to 5/8"	3/8" to 1 1/2"	3/8" to 1"	43160	LPT4
	LPTQ5	5/8" to 2 1/2"	5/8" to 1 3/8"	1" to 2 1/2"	1" to 2"	43161	LPT5
	LPTQ6	7/8" to 3"	7/8" to 2 1/8"	1 1/2" to 4"	1 1/2" to 3"	43162	LPT6
							Screw Connect

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



LP Thruster[®] Swivl-it[™] Kits



Lightweight, portable kits featuring *Swivl-it*[™] fittings that eliminate hose kinking and wrist fatigue. You can solder up to 1½" and braze up to 1" copper tubing. Metal carrying stand holds two disposable cylinders.



KTSQ2



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.

Brass Control Knob Will Not Freeze Up

Scorcher[®] Weed Burner

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.



Part#	UPC#	Description	Hose	Accessories
WB500	00700	Weed Burner	10' w/ P.O.L. Safety Valve	Flint Lighter Included

[Units of 6 only]

WB500

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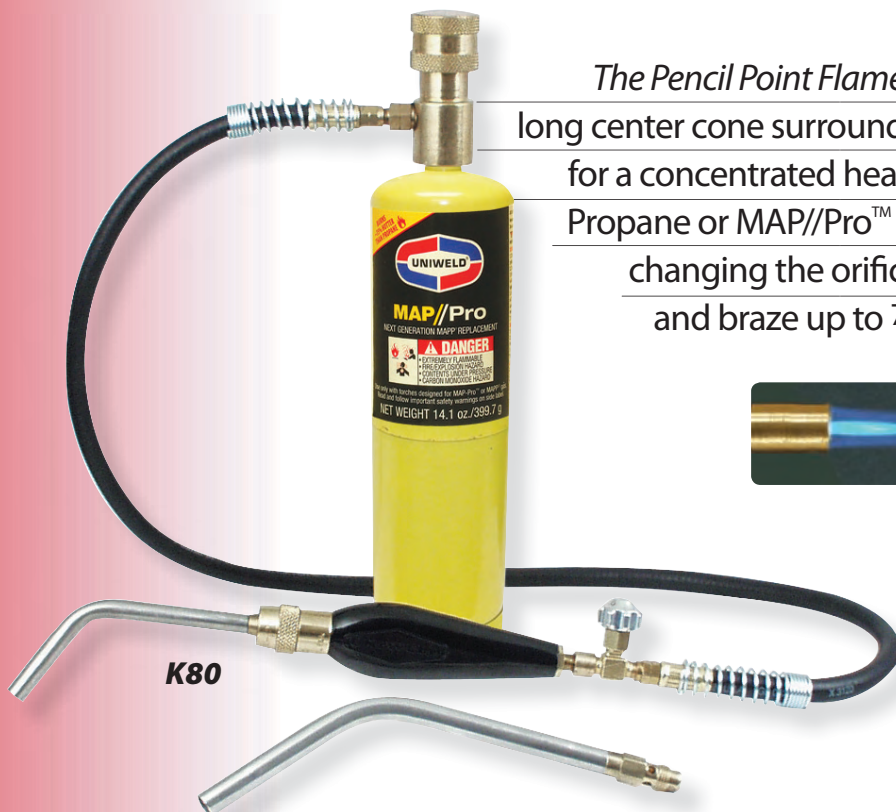


Pencil Point Flame Kits

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 1/2" and braze up to 7/8" copper tubing.

Target Heat	
Propane	1750 °F [954 °C]
MAP//Pro™ [Propylene]	2400 °F [1316 °C]

Air/Fuel



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

*Hose Spring included [See Page 33]. Disposable cylinder not included in kits and is sold separately.



SM36



SM38

Pencil Point Flame Tips

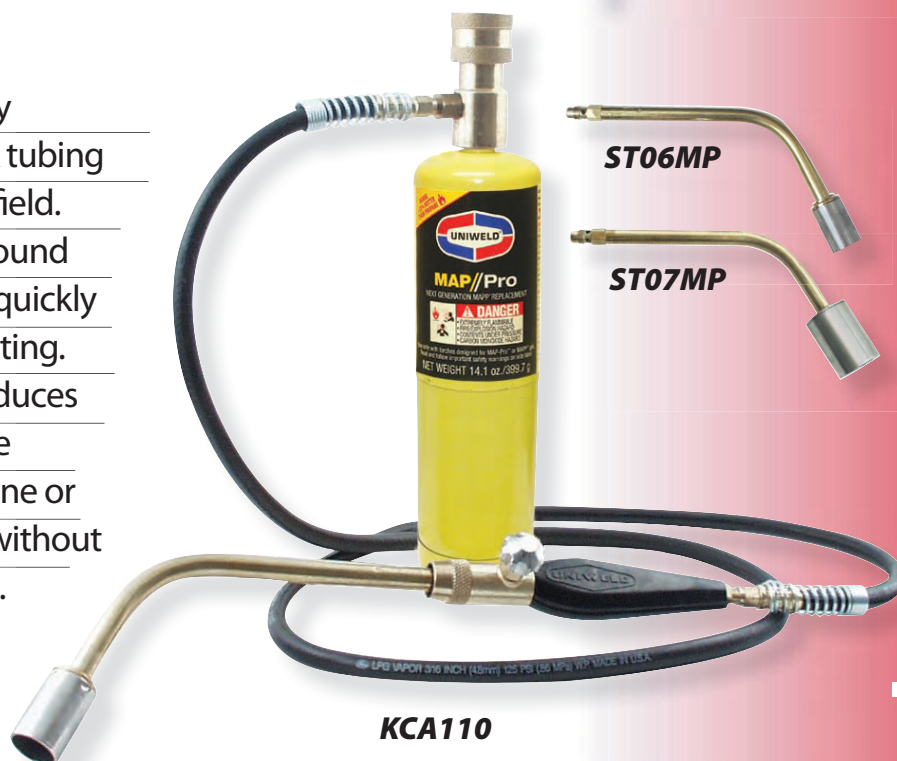
		Copper Tubing Capacity					
		Propane Gas		MAP/Pro™ [Propylene] Gas			
	Part#	UPC#	Soldering	Brazing	Soldering	Brazing	Length
Screw Connect	SM36	43170	1/8" to 1/4"	1/16" to 1/4"	1/8" to 1/2"	1/8" to 3/4"	6"
	SM38	43171	1/4" to 1"	1/8" to 1/2"	1/8" to 1 1/2"	1/4" to 7/8"	9"



Heat Shrink Kits & Tips



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.



Part#	UPC#	Regulator	Tips	Handle	*Hose	Size
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.

Heat Shrink Tips Screw Connect

Part#	UPC#	Description
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



UniWeld's Unitorch® regulators are 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].

Part#	UPC#	Description
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

UniWeld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com



Air/Fuel





Hand Torches

Thruster[®], Twister[®], Double & Triple Twister[®]

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

RP3T5 Hand Torch

- LP Twister[®] Tip utilizes swirl combustion technology to produce a high energy efficient flame
- Stable flame in windy conditions
- RP3E Unitorch Regulator with swivel elbow and UT5 LP Twister[®] Tip [Cylinder not included]



**TRIPLE
THE POWER
TRIPLE
THE HEAT**

RP3T3 Hand Torch

- UT3 Triple Twister[®] Tip



RP3T2 Hand Torch

- UT2 Double Twister[®] Tip



**DOUBLE
THE POWER
DOUBLE
THE HEAT**

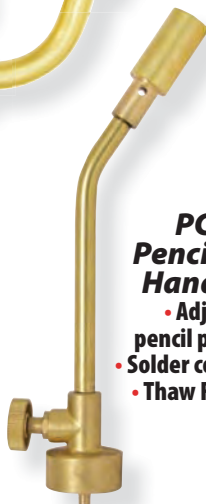
RP3T4 Hand Torch

- LP Thruster[®] Tip has a built-in patented screen diffusion flame holder to maximize combustion
- Flame adjustment without tip damage
- RP3E Unitorch Regulator with swivel elbow and UT4 LP Thruster[®] Tip



PCV25 Pencil Flame Hand Torch

- Adjustable pencil point flame
- Solder copper tubing
- Thaw Frozen Pipe



Air/Fuel



MKT-4L

Tubing Capacity

Part#	UPC#	Propane		MAP//Pro™ [Propylene]		Replacement Tip
		Soft Solder	Silver Braze	Soft Solder	Silver Braze	
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].

Hand Torches

Self-Igniting Swirl Combustion Tips

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].



Tip
Swivels
360°

Simply pull
down on
bullet casing
to activate
the spark
ignitor.

Tip
Swivels
360°

RP3T6 Silver Bullet Hand Torch

- UT6 LP Twister® Silver Bullet® Tip
 - 360° Swivel Tip
 - All Brass, Stainless Steel and Aluminum Construction
 - Operates in Any Position, Even Upside Down
- (Cylinder not included)

Target Heat	
Propane	1750 °F [954 °C]
MAP//Pro™ [Propylene]	2400 °F [1316 °C]

HT44 Twister® 2 Hand Torch

- Trigger Lock with Instant Safety Release
- Full Size Comfort Grip
- 360° Swivel Tip
- Operates in Any Position, Even Upside Down
- HT44TE Twister® Swirl Combustion Tip End



Clamshell Display Package



Air/Fuel

Part#	UPC#	Tubing Capacity		MAP//Pro™ [Propylene]		Replacement Tip
		Propane Soft Solder	SilverBraz	SoftSolder	Silver Braze	
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 3½"	Up to 1¾"	HT44TE

Disposable cylinder not included and is sold separately.

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Torch Handles *Air/Fuel*

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.

TH6



TH6B



TH8



TH8B



Air/Acetylene Gas "A"
[3/8" - 24] L.H. Inlet Connection

Air/LP Gas "B"
[9/16" - 18] L.H. Inlet Connection

TH3



TH3B



TH5



TH5B



TH7



TH7B



TH9



TH9B



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



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



Air/Acetylene "A" Inlet
Part# UPC#

Screw Connect	TH3	43100	Rear Valve
	TH5	43105	Front Pilot Valve
	TH9	43113	Front Valve
Quick Connect	TH6	43107	Rear Valve
	TH7	43109	Front Pilot Valve
	TH8	43111	Front Valve

Air/LP "B" Inlet
Part# UPC#

Screw Connect	TH3B	43101	Rear Valve
	TH5B	43106	Front Pilot Valve
	TH9B	43114	Front Valve
Quick Connect	TH6B	43108	Rear Valve
	TH7B	43110	Front Pilot Valve
	TH8B	43112	Front Valve



Hoses "A", "B" & "AB" Connections



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.



H32A

Hose Spring



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 at each end] to the hose Part#. Example: H12S, H12SS/HLP14BS, HLP14BSS



H12



HLP14B

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 $\frac{3}{16}$ " 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 $\frac{3}{16}$ " 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 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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Regulators

"Patriot" Series

PROTECTIVE
RUBBER
GAUGE
BOOTS



RMC2

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.

	Part#	UPC#	CGA Inlet	Outlet Connection	1 1/2" Delivery/Contents	Delivery PSI
Oxygen	R0	12000	540	"A" RH	[G49D] 100/4000 [G56D]	2-60
	ROB	12001	540	"B" RH	[G49D] 100/4000 [G56D]	2-60
Acetylene	RMC	12006	200	"A" LH	Contents [G19D]	2-15
	RMC2	12007	200	"A" LH	[G15D] 30/Contents [G19D]	2-15
	RB	12010	520	"A" LH	Contents [G19D]	2-15
	RB2	12011	520	"A" LH	[G15D] 30/Contents [G19D]	2-15
LP Fuel Gas	RLP	12014	510	"A" LH	60 Delivery [G83D]	2-40
	RLPB	12015	510	"B" LH	60 Delivery [G83D]	2-40

FV600 Oxy/Fuel Adapter

Fuel valve adapter to connect a Uniweld Acetylene MC Regulator (CGA200) to a disposable fuel cylinder (CGA 600). 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 a RP3A regulator.



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.



Regulators

Mastar® & Centurion® Series



CENTURION®

RO100

**PROTECTIVE
RUBBER
GAUGE
BOOTS**



MASTAR®

RSMC2

The economical, lightweight *Centurion® Series* regulators feature rugged brass bodies, 1½" gauges and protective rubber gauge boots. listed.

UniWeld's top of the line, single stage *Mastar® Series* regulators are equipped with two 1½" gauges, a 3" pressure adjusting "T" handle and protective rubber gauge boots. listed.

		Part#	UPC#	CGA Inlet	Outlet Connection	Delivery 1½" Gauges/Contents	Delivery PSI
Centurion®	Oxygen	RO100	14100	540	"A" RH	[G49D] 100/4000 [G56D]	2-60
	Acetylene	RMC100	14102	200	"A" LH	[G15D] 30/Contents [G19D]	2-15
Mastar®	Oxygen	RS0	12100	540	"A" LH	[G49D] 100/4000 [G56D]	2-60
		RS0B	12101	540	"B" LH	[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

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



G49D

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

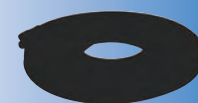
Acetylene
G15D 30 psi, Steel Case, Red Line 15-30 psi
G19D 1/4, 1/2, 3/4, Full [Contents] Steel Case, [400 psi Max]

GB155 Protective Rubber Boot for all 1½" Gauges [Pkg. of 2]

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.



G19D



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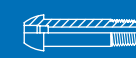
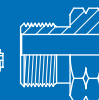
Cylinder CGA Valve Connections

Flame Tool Accessories



"MC" Tank	Part#	Description	CGA200
	MC24	Nut	.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	.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		
	Part#	Description	CGA320
	8159-3	Nut	.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 ₂] Use "O-Ring X09R only for 8312 Nipple, Not Gasket"		
	Part#	Description	CGA346
	8959	Nut	.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	.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	.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		
"B" Tank	Part#	Description	CGA520
	B10	Nut	.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		
	Part#	Description	CGA540
	8059-2	Nut	.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
	8759	Nut	.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		

VALVE NIPPLE NUT



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

Adaptors *Cylinder to Regulator*



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



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



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



Part# F10X
UPC# 43300
CGA580 to
CGA540



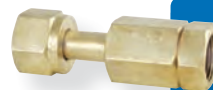
Part# F38
UPC# 43313
CGA300 "CA" to
CGA200 "MC"



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



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



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



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



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



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



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



Part# F22X
UPC# 43303
CGA540 to
CGA580



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



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



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



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



Hose Fittings



BRASS HOSE CLAMPS

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

HOSE NIPPLE

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

HOSE NUT

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"

HOSE SPLICE [Push Type]

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"

Adaptors & Connectors

"A" Size "Y" Outlet Adaptor

Part#	UPC#	Inlet	to	Outlet
FY11XA	43332	"A" LH	"A" Hose Nut LH	
FY10XA	43331	"A" RH	"A" Hose Nut RH	

"Y" Connectors w/Valves

Part#	UPC#	Inlet	to	Outlet
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

Part#	UPC#	Inlet	to	Outlet
FY11X	43330	"B" LH	"B" Hose Nut LH	
FY10X	43329	"B" RH	"B" Hose Nut RH	

"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	

"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	

"A" to "B"

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	

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Cylinders & Tanks

Flame Tool 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.

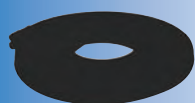
Reading of contents:
Oxygen pressure 1800-2200 psi

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



Carrying Stands



The rugged Uniweld line of cylinder trucks and carrying stands offers convenience, portability and organization. All blue enameled steel models feature fitted handle grips and hose holders. The blue plastic tote has ample room for cylinders, hose and accessories.



Holds
[1] "MC" or
"B" Tank and
[1] "R-Oxy" or
"R40" Tank



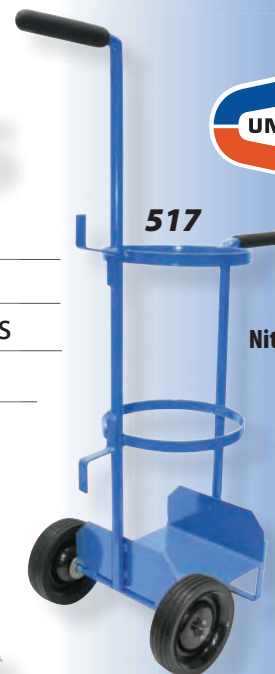
Holds
[1] 20 cu. ft.
Nitrogen
Tank



Holds
[1] 40 cu. ft.
Nitrogen Tank



Holds
[1] "B" Tank



Holds
[1] "N60"
Nitrogen Tank



Holds
[1] "MC" Tank
and
[1] "R"-Oxy Tank



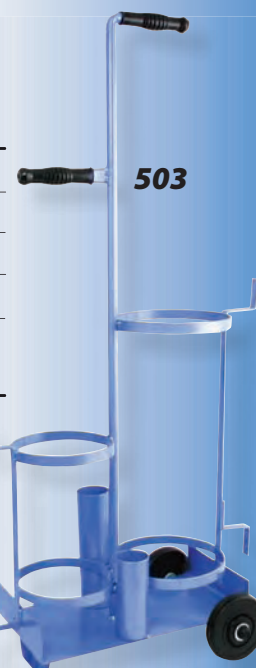
Holds
[2] Disposable
Cylinders or
[1] "MC" Tank



Holds
[1] "MC" Tank or
[2] Disposable
Cylinders and
[1] "R-Oxy" Tank



Holds
[1] "MC" Tank
(or [1] Disposable
Cylinder) and
[1] "R-Oxy" Tank



Holds
[1] "B" Tank
and
[1] "R-Oxy" Tank

Flame Tool Accessories

	Part#	UPC#	Description
Metal	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 for [1] "B" tank & [1] "R-Oxy" tank
	504	30005	Carrying stand 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
Plastic	511	30008	Molded blue plastic carrying stand for [1] "MC" tank or [1] disposable fuel cylinder and [1] "R-Oxy" tank
Metal	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 Truck for [1] 60 cu. ft. tank



Accessories

Wrenches

Complete selection of combination wrenches for most fittings and connections.



W94



W05



W06



W10X



3/8" Square Socket

3/16" Cutout for T-Style Valve

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

Goggles

Welding goggles with #5 tint lenses. WG53 features flip-up tinted lenses and molded-in air vents.



WG52

Part#	UPC#	Description
WG52	43401	Welding Goggles [eye cup type]
WG53	43402	Welding Goggles [type that can be worn with glasses]



WG53

Tip Cleaners

Aluminum case with cleaning data stamped on back.

Rustproof, stainless steel, **roll-formed spiral wires**. Tapered pilot ends will not damage tip orifices. A hardened steel file is included in each case. The long spiral cleans a larger number of tip styles.

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



**EXCLUSIVE
LOCK IN KNOT
ON SMALL
WIRES**

Part# with D denotes hanging display packaging.

Accessories



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.



FL3437TC



FL35



FL3437



FL34D



FL36



FL37



FL34



Flint Lighters

Play it safe...
use Uniweld
flint lighters
to ignite your
flame torches.
Two styles
available.
Flint renewals
for both styles
in stock.

Flame Tool Accessories

	Part#	UPC#	Description
Flint Lighters	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
Tool Box	CC61	43413	Plastic tool box 12.5" Long x 7" Wide x 5" Deep



CC61

UniWeld Products, Inc.
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Play it Safe® Flashback Arrestors



TFAA

TFAB



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 torch and regulator.

3/8" - 24 "A" Fitting

9/16" - 18 "B" Fitting*

Flashback Arrestors	Regulator		Torch		Regulator		Torch	
	Part#	UPC#	Part#	UPC#	Part#	UPC#	Part#	UPC#
Single Oxygen	RFAM100	10211	TFAM100	04061	RFA100	10206	TFA100	04056
Single Fuel	RFAM101	10212	TFAM101	04062	RFA101	10207	TFA101	04057
Set of [2] on card [1] Oxy & [1] Fuel	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

RFAB

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]

3/8" - 24 "A" Fitting

9/16" - 18 "B" Fitting*

Check Valves	Torch		Regulator		Torch	
	Part#	UPC#	Part#	UPC#	Part#	UPC#
Single Oxygen	TCV10	02651	RCV100	10201	TCV100	04051
Single Fuel	TCV11	02652	RCV101	10202	TCV101	04052
Set of [2] on card [1] Oxy & [1] Fuel	TCVA	02650	RCVB	10200	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

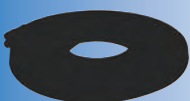
Swivl-it™ Fittings

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
- Use on torch or regulator
- Prevent loosening of hose fittings
- 360° movement on all single hoses
- Pressure tested



HCC38



Accessories

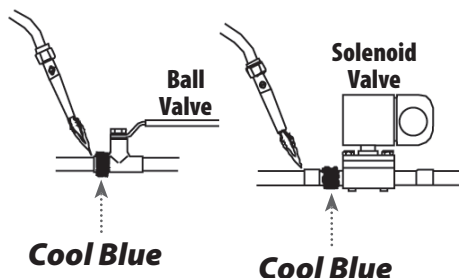
Cool Blue™ Heat Sink Paste

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 paste absorbs heat, it changes to a dark blue. Safe to use, non toxic, harmless to skin and odorless. Easy to clean: wipe off with cloth or wash with water.



FLIP
TOP
CAP

91861



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

Flame Barrier

A fire resistant material that provides a protective barrier between flammable surfaces and open flames when soldering and brazing. Prevents costly fire damage to surfaces such as wood, wiring, sheetrock, insulation, paint and other surfaces.

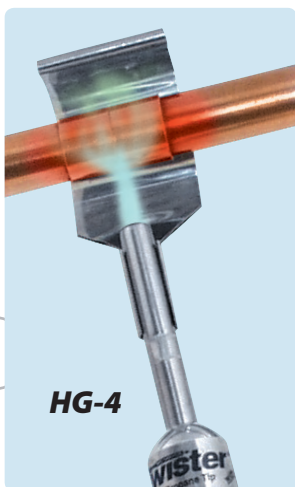
Flame barrier will maintain its structural integrity up to 2700 °F with a melting temperature of 3200 °F.



Part#	UPC#	Description
FB12	43230	Flame Barrier 12" x 12"

Heat Guard

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



HG-4

Part#	UPC#	Description
HG4	43015	Heat Guard



Vacuum Pumps

Residential/Commercial

HUMM•VAC®

The popular Uniweld exclusive HUMM•VAC pumps:

HVP 6CFM [yellow] and its two bigger brothers, HVP 8CFM [red] and HVP 12CFM [black] remove moisture and dehydrate a system quickly and efficiently. The rugged, tough chassis; powerful, quiet running 110/220V, 50/60 Hz motors, lighter weight and ergonomically designed features make these pumps the #1 choice to go to work with you.

- **COOL STYLING & COLORS**
- **WIDE SUREFOOTED CHASSIS**
- **LIGHTWEIGHT**
- **SLANT BACK BALANCED HANDLE**
- **3-WAY INTAKE FITTINGS**
- **LOW PROFILE BEVELED OIL DRAIN**
- **LARGE OIL LEVEL SIGHT GLASS**
- **GAS BALLAST**
- **DUAL VOLTAGE**
110/220V
50/60 Hz
- **HIGH PERFORMANCE DEEP VACUUM**
- **FACTORY RATED TO 15 MICRONS**



HVP12



HVP8



HVP6



U.S. PATENT # D0518068

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Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com

Vacuum Pumps

Residential/Commercial

HUMM•VAC®



**EXCLUSIVE
PATENTED
DESIGN**

CE

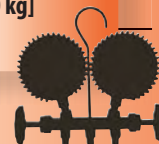


HVAC-R Tools

Pump Specifications	HVP6	HVP8	HVP12
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	$\frac{1}{4}$ " & $\frac{3}{8}$ " Male Flare; $\frac{1}{2}$ " Acme	$\frac{1}{4}$ ", $\frac{3}{8}$ " & $\frac{1}{2}$ " Male Flare	$\frac{1}{4}$ ", $\frac{3}{8}$ " & $\frac{1}{2}$ " Male Flare
Thermal Overload Protection	$\frac{1}{2}$ HP	$\frac{3}{4}$ HP	$\frac{3}{4}$ 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

NOTE: Optional International Power Cord Available Upon Request.

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800/323-2111 www.uniweld.com

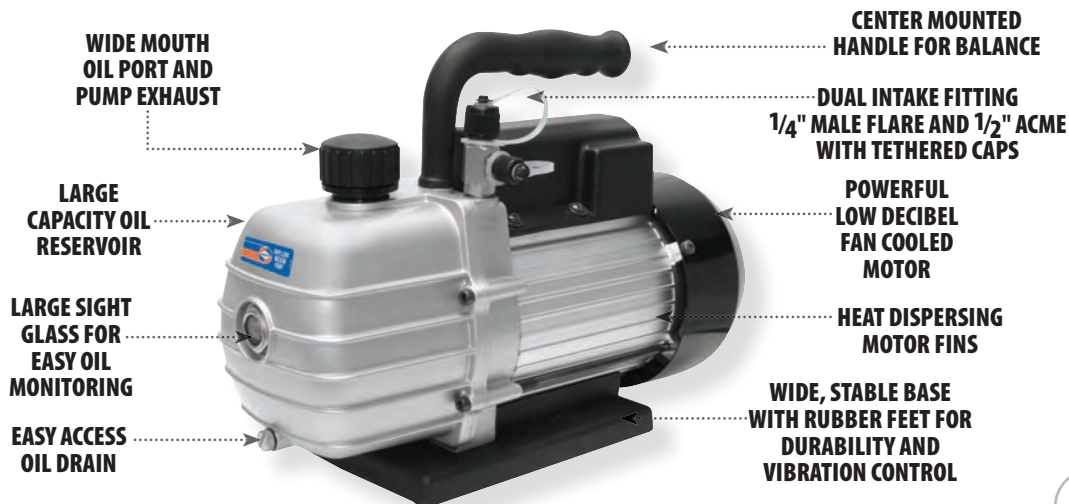




Vacuum Pumps

5.5 CFM Vacuum Pump

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 5.5 CFM 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.



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
UVP5	5.5 155	2	15	1/4" Male Flare and 1/2" Acme	1/2	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]
UVP5-220	4.66 132	2	15	1/4" Male Flare and 1/2" Acme	1/2	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

UniWeld's high performance UVP1.5 CFM Vacuum Pump has been designed and engineered to provide you with reliable service and the latest in vacuum pump technology. The UVP1.5 pump is built for deep vacuum service on Ductless Mini Splits and Automotive A/C systems.



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
UVP1.5-110	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]
UVP1.5-220	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]

Vacuum Pumps



Replacement parts for HVP6, HVP8, HVP12, UVP5 & UVP1.5



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 [Y]
6	42258	Chassis Base with Bolt [Set of Two] HVP8 [R]
6	42259	Chassis Base with Bolt [Set of Two] HVP12 [B]
7	42260	Base Rubber Feet with Bolt and Washer [set of two] for HVP6, HVP8 & HVP12
8	42261	Power Box 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

Ref# Part# Description

12	42265	Handle w/Rubber Grip + [4 bolts] HVP6 [Y]
12	42266	Handle w/Rubber Grip + [4 bolts] HVP8 [R]
12	42267	Handle w/Rubber Grip + [4 bolts] HVP12 [B]
13	42274	Oil Reservoir w/Sight Glass + [4 bolts] HVP6 [Y]
13	42275	Oil Reservoir w/Sight Glass + [4 bolts] HVP8 [R]
13	42276	Oil Reservoir w/Sight Glass + [4 bolts] HVP12 [B]
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 Switch Assembly for UVP5
19B	VP86	Electrical Switch Assembly 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 and UVP1.5-220

Vacuum Pump Oil

Uniweld's Vacuum Pump Oil is specially refined with excellent thermal stability for maximum efficiency and use in any vacuum pump. For maximum pump performance, it is recommended that the oil be changed after every evacuation. To properly test the oil, use a digital micron gauge. If, after directly attaching the micron gauge to the pump, a deep vacuum reading is not achieved, the oil is contaminated and must be changed.



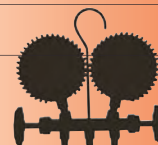
UNIWELED VACUUM PUMP OIL

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

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HVAC-R Tools





MaxEvac Kit and Valve Core Removal

MaxEvac Kit

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



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

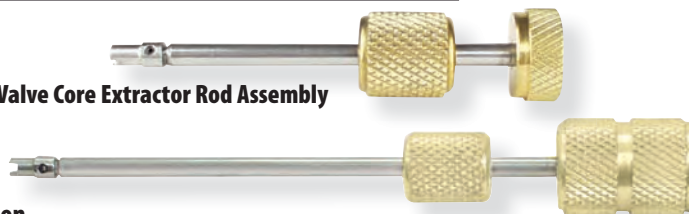
Valve Core Removal

Remove and replace valve cores without losing the system's refrigerant charge with 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 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.



92825
Valve Core Removal Tool
with Extractor Rod

92834 Valve Core Extractor Rod Assembly



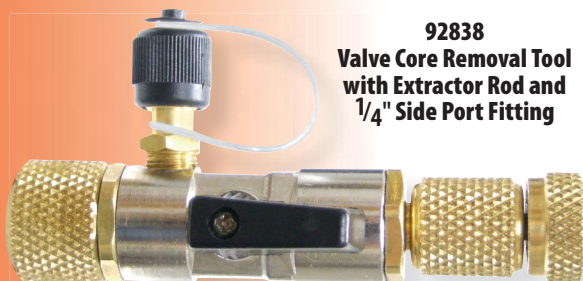
92835
Long Valve Core Extractor
Rod Assembly [Use with 92829
R-134a Automotive Adaptors]

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

Long valve core extractor rod includes:
Storage Compartment
[valve cores not included]



92829
R-134a Automotive Adaptors
[Requires Part# 92835]



92838
Valve Core Removal Tool
with Extractor Rod and
1/4" Side Port Fitting

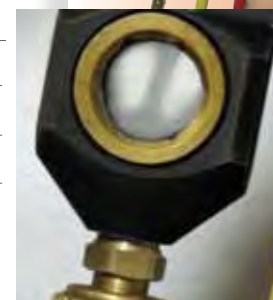


Vapor•Vue™



VV1

Vapor•Vue™ is a visible vapor charging device that 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 and air conditioning systems 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.



Liquid Refrigerant to Vapor

HVAC-R Tools

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.*

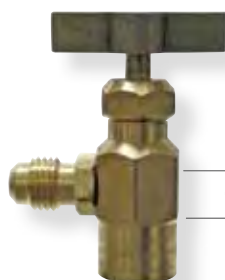
Special design features include:

- Pressure Relief Valve opens at 180 to 190 psi protecting the cylinder and equipment from overpressure. (Patent Pending)
- Blowgun with Rubber Tip Nozzle for Copper Tubing 3/8" to 1 1/8" O.D.
- Reusable canister holds up to 18 oz.



94184

NOTE:
Automotive A/C Flush kit also available. See Page 70.



AV25H

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.

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





Man, What a Manifold®

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

2 Valve Brass Manifold with 2½" LPF™ Gauges

QS4L5H



HVAC-R Tools



Vapor-Vue™
Charging device
connects to low side.
(see page 51)



QS4L

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 anti-blowback fittings]. **Man, What a Manifold!**



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

Part#	UPC#	Description	R-410A/R-22/R-404A - PSI/°F
QS4L	47500	2-Valve Brass Manifold [No Hoses]	
QS4L3H	47501	2-Valve Brass Manifold [3ft. Soft Magic® Barrier Hose Set]	
QS4L5H	47502	2-Valve Brass Manifold [5ft. Soft Magic® Barrier Hose Set]	
QS4L6H	47503	2-Valve Brass Manifold [6ft. Soft Magic® Barrier Hose Set]	
QS4L3HA	47571	2-Valve Brass Manifold [3ft. Soft Magic® Barrier Anti-Blowback Hose Set]	
QS4L5HA	47572	2-Valve Brass Manifold [5ft. Soft Magic® Barrier Anti-Blowback Hose Set]	
QS4L6HA	47573	2-Valve Brass Manifold [6ft. Soft Magic® Barrier Anti-Blowback Hose Set]	

Other pressure and temperature scales are available upon request.



Man, What a Manifold®



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

2 Valve Brass Manifold with 2½" LPF™ Gauges



HVAC-R Tools

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
- **Soft Magic® Hoses** [available with optional anti-blowback fittings]. **Man, What a Manifold!**

R-22/R-404A/R-134a - PSI/°F

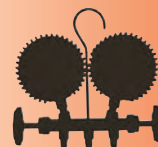
Part#	UPC#	Description
QAL	45050	2-V Brass Mfld. [No Hoses]
QAL3SM	48001	2-V Brass Mfld. [3ft. Soft Magic® Hose Set]
QAL5SM	48002	2-V Brass Mfld. [5ft. Soft Magic® Hose Set]
QAL6SM	48003	2-V Brass Mfld. [6ft. Soft Magic® Hose Set]
QAL3SMA	48101	2-V Brass Mfld. [3ft. Soft Magic® Anti-Blowback Hose Set]
QAL5SMA	48103	2-V Brass Mfld. [5ft. Soft Magic® Anti-Blowback Hose Set]
QAL6SMA	48104	2-V Brass Mfld. [6ft. Soft Magic® Anti-Blowback Hose Set]

Other pressure and temperature scales are available upon request.



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

UniWeld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
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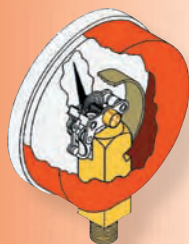
Man, What a Manifold®

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

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

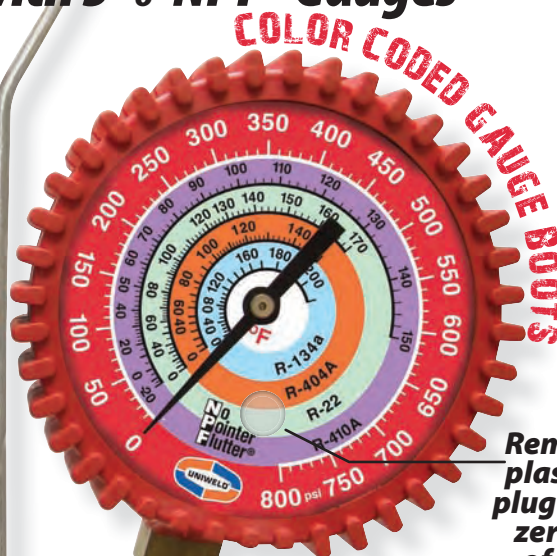


QS8N5SMA



NPF®
Silicone
Dampened
Movement

HVAC-R Tools



Removable
plastic lens
plug for easy
zero reset
of gauge
pointer



QS8N

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 anti-blowback fittings.

Man, What a Manifold!



R-410A/R-22/R-404A/R-134a
Color Coded Replacement Gauges
G429ND Red, Pressure
G430ND Blue, Compound

Part#	UPC#	Description	R-410A/R-22/R-404A/R-134a - PSI/°F
QS8N	48600	2-Valve Brass Manifold [No Hoses]	
QS8N3SMA	48601	2-Valve Brass Manifold [3ft. Soft Magic® Barrier Anti-Blowback Hose Set]	
QS8N5SMA	48602	2-Valve Brass Manifold [5ft. Soft Magic® Barrier Anti-Blowback Hose Set]	
QS8N6SMA	48603	2-Valve Brass Manifold [6ft. Soft Magic® Barrier Anti-Blowback Hose Set]	

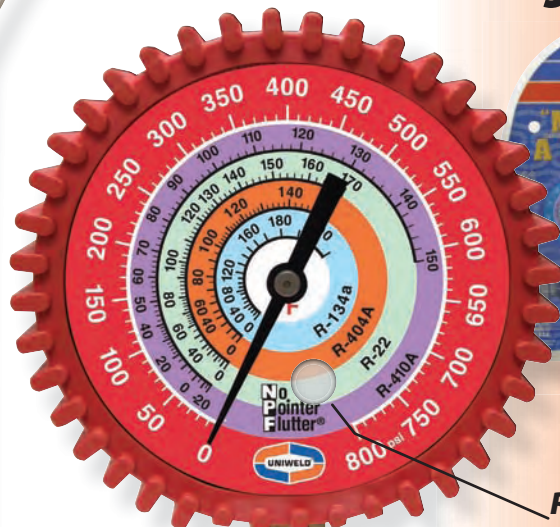
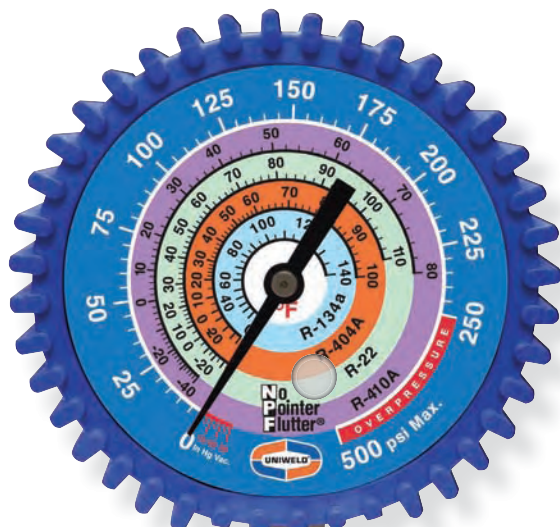
Other pressure and temperature scales are available upon request.

Man, What a Manifold®



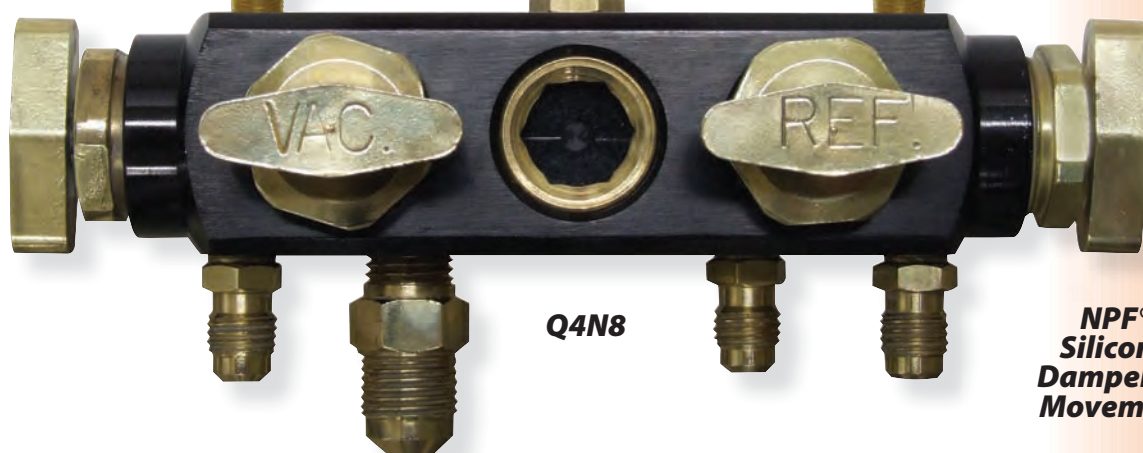
R-410A/R-22/R-404A/R-134a

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



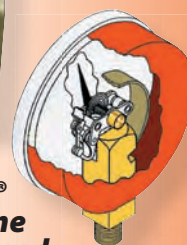
Q4N85SMA

Removable plastic lens plug for easy zero reset of gauge pointer



Q4N8

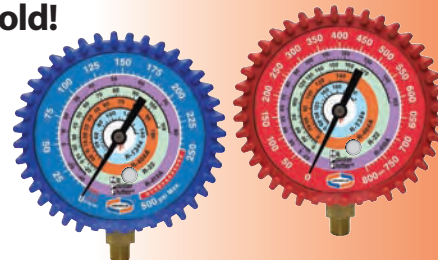
**NPF®
Silicone
Dampened
Movement**



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 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 [5ft. Soft Magic® Barrier Hose Set]	
Q4N85SMA	48702	4-Valve Aluminum Manifold [5ft. Soft Magic® Barrier Anti-Blowback Hose Set]	

Other pressure and temperature scales are available upon request.



R-410A/R-22/R-404A/R-134a
Color Coded Replacement Gauges
G429ND Red, Pressure
G430ND Blue, Compound



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800/323-2111 www.uniweld.com



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HVAC-R Tools



Man, What a Manifold®

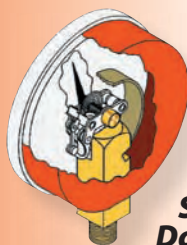
R-410A/R-22/R-404A/R-134a

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

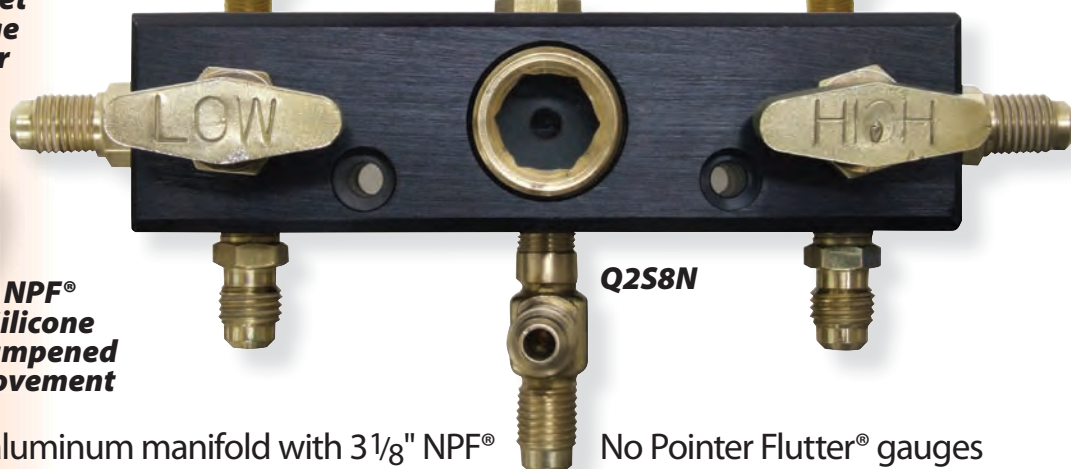
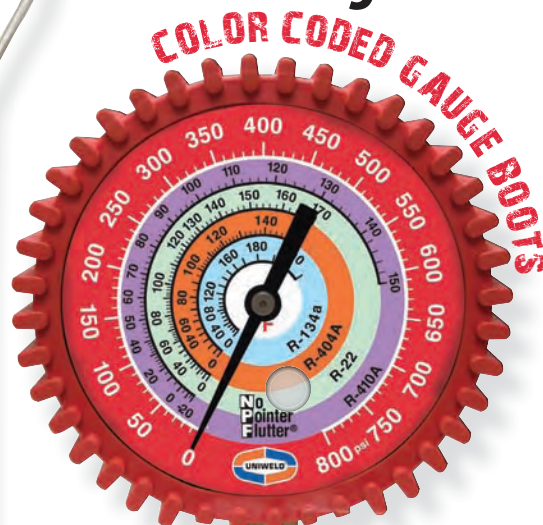
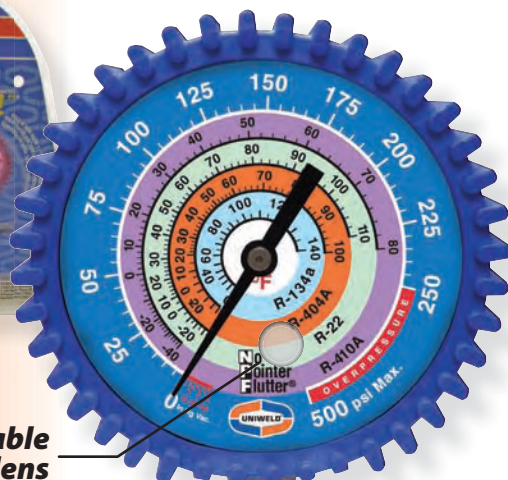


Q2S8N5SMA

Removable plastic lens plug for easy zero reset of gauge pointer



NPF®
Silicone
Dampened
Movement



Q2S8N

The Uniweld aluminum manifold with 3 1/8" NPF® No Pointer Flutter® gauges features our exclusive encapsulated silicone dampened movement and an optical sight glass for monitoring refrigerant. Durable, brazed brass T-handle front valves provide smooth, precise adjustments. High Pressure **Soft Magic® Barrier Hoses** with anti-blowback fittings are color coded, flexible and durable. Color coded gauge boots provide added protection.

Man, What a Manifold!



R-410A/R-22/R-404A/R-134a
Color Coded Replacement Gauges
G429ND Red, Pressure
G430ND Blue, Compound

Part#	UPC#	Description	R-410A/R-22/R-404A/R-134a - PSI/°F
Q2S8N	48900	2-Valve Aluminum Manifold [No Hoses]	
Q2S8N3SMA	48901	2-Valve Aluminum Manifold [3ft. Soft Magic® Barrier Anti-Blowback Hose Set]	
Q2S8N5SMA	48902	2-Valve Aluminum Manifold [5ft. Soft Magic® Barrier Anti-Blowback Hose Set]	
Q2S8N6SMA	48903	2-Valve Aluminum Manifold [6ft. Soft Magic® Barrier Anti-Blowback Hose Set]	

Other pressure and temperature scales are available upon request.



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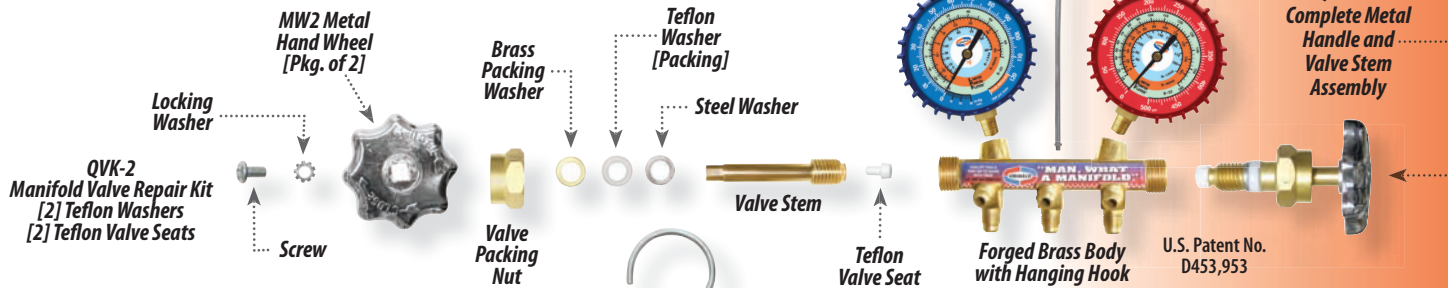


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800/323-2111 www.uniweld.com

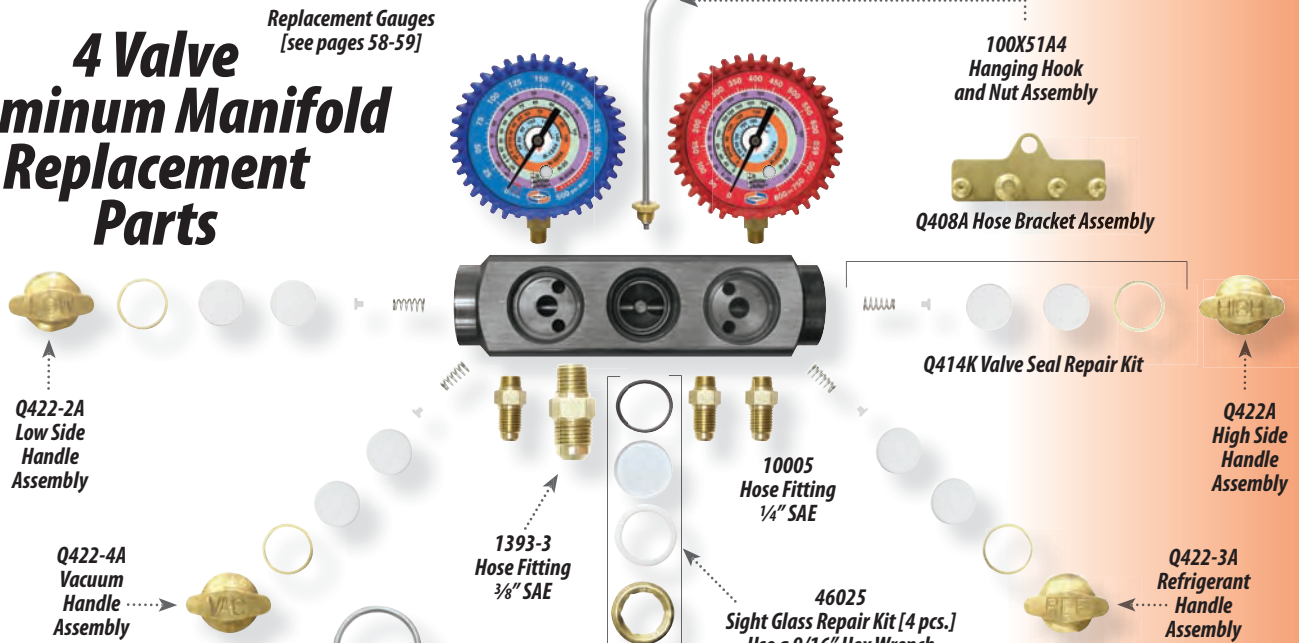
Man, What a Manifold®



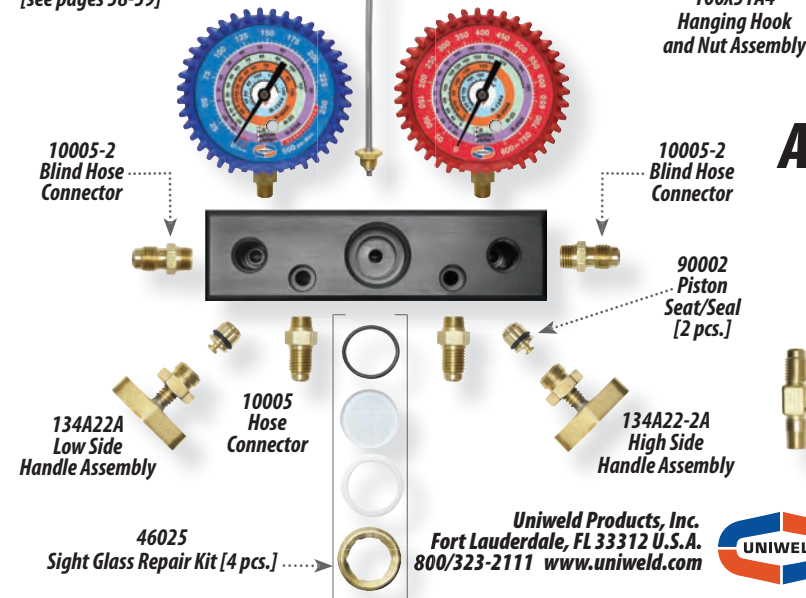
2 Valve Brass Manifold Replacement Parts



4 Valve Aluminum Manifold Replacement Parts



Replacement Gauges
[see pages 58-59]



2 Valve Aluminum Manifold Replacement Parts

10005-3 T-Fitting with Blind Hose Connectors

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HVAC-R Tools





NPF[®] Gauges

Manifold Replacement Gauges

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.

Man, What a Manifold!



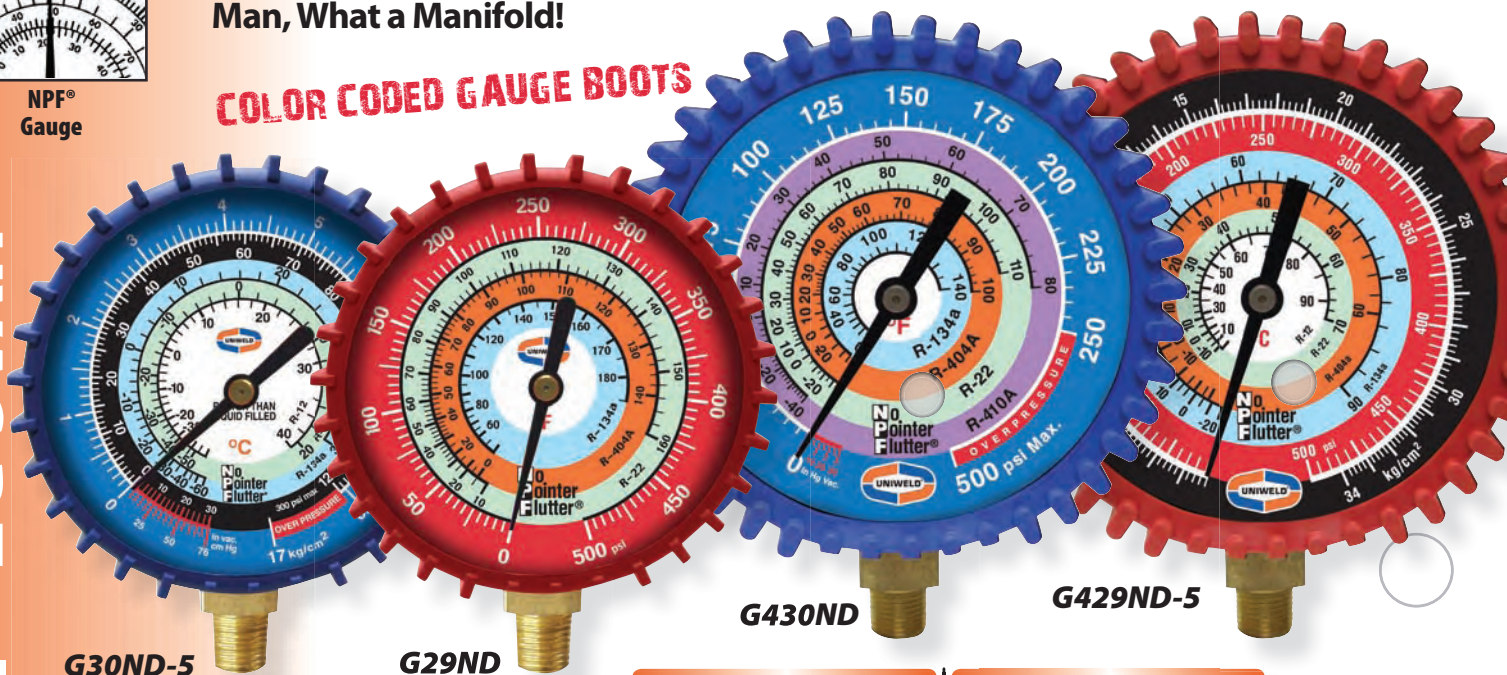
Competitor's
"Vibration Free"
Gauge



NPF[®]
Gauge

HVAC-R Tools

COLOR CODED GAUGE BOOTS



G30ND-5

G29ND

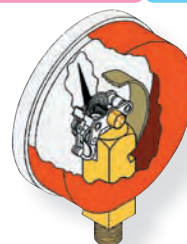
G430ND

G429ND-5

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

Replacement Parts

Part#	UPC#	Description
CF25	51018	2 1/2" Clear Front Lens w/ Plug
CF80	51019	3 1/8" Clear Front Lens w/ Plug
GB25S	51027	2.5" Protective Gauge Boots, Pkg. [1] Red, [1] Blue
GB80S	51028	3 1/8" Protective Gauge Boots, Pkg. [1] Red, [1] Blue
PL25	51004	2 1/2" Posi-Lock Replacement Lens



**NPF[®]
Silicone
Dampened
Movement**



GB25S



LPF™ Gauges

Manifold Replacement Gauges



Competitor's
"Vibration Free"
Gauge

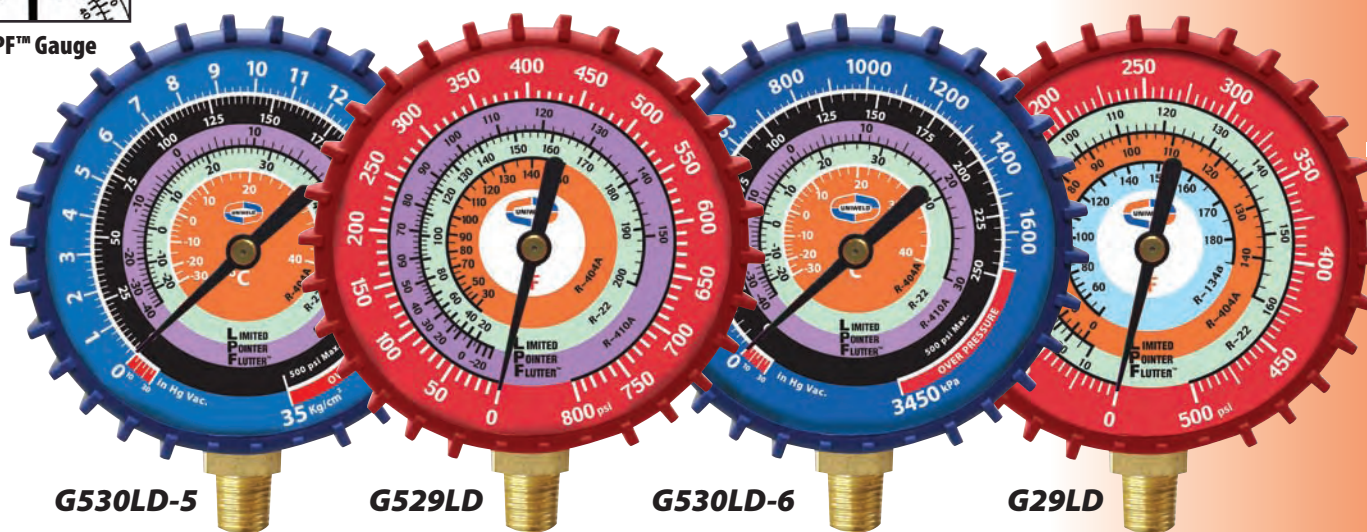


LPF™ Gauge

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

Man, What a Manifold!

COLOR CODED GAUGE BOOTS



HVAC-R Tools

Refrigerant Pressure/Temperature Scale		Color Coded Case Red Pressure Part#Blue Compound Part#		Brass Case Pressure Part#Compound Part#	
2 1/2"	R-22/R-404A/R-134a PSI °F	G29LD	G30LD	G29D	G30D
	R-134a /R-12/R-22 PSI-Kg/cm²-°F	G29LD-1	G30LD-1	G29D-1	G30D-1
	PSI-Kg/cm²-°C	G29LD-5	G30LD-5	G29D-5	G30D-5
	R-410A/R-22/R-404A PSI °F	G529LD	G530LD	G529D	G530D
	PSI-Kg/cm²-°C	G529LD-5	G530LD-5	—	—
	PSI-kPa °C	G529LD-6	G530LD-6	—	—
	R-134a/R-12 [Automotive] PSI-°F	G9LAD	G10LAD	—	—
	R-134a/R-404A/R-507 PSI-Kg/cm²-°C	G9LD-5	G10LD-5	—	—

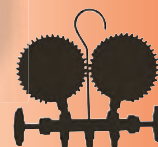
Replacement Parts

Part#	UPC#	Description
CF25	51018	2 1/2" Clear Front Lens w/ Plug
GB255	51027	2 1/2" Protective Gauge Boots, Pkg. [1] Red, [1] Blue
PL25	51004	2 1/2" Posi-Lock Replacement Lens



GB255

Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com





Soft Magic[®] Barrier Hose with Standard Fittings

A premium flexible barrier hose rated for R410A, CFC, HCFC and HFC refrigerants.

Standard Fitting Actual Size

**RATED FOR
R410A
*2 YEAR
WARRANTY**



Adjustable
Threaded Valve
Depressor

Two Safety
Venting Slots

Molded
Replacement
Gasket

Large Deep Knurled Hose Nut

High Pressure
Eight Sided
Crimp

Color
Coded
Cover

Braid for
High Pressure
Strength

Nylon Permeation
and Moisture
Barrier

Rubber
Permeation
Barrier

Maximum Working Pressure: 800 psi
Burst Pressure: 4000 psi

HVAC-R Tools

	Length		Red Part#	Yellow Part#	Blue Part#	Hose Set 1 Each R, Y, B Part#
Soft Magic [®] Barrier Hoses w/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	HC3SMB
	72"	180cm	H6SMBR	H6SMBY	H6SMBB	HC4SMB
	96"	240cm	H8SMBR	H8SMBY	H8SMBB	HC5SMB
	25'	7.50m	H25SMBR	H25SMBY	H25SMBB	HC6SMB
	50'	15.00m	H50SMBR	H50SMBY	H50SMBB	HDC5MB Hose Set: [3] 5 ft. 1/4" Hoses and [1] 5 ft. 3/8" Hose
	100'	30.00m	H100SMBR	H100SMBY	H100SMBB	

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]



60



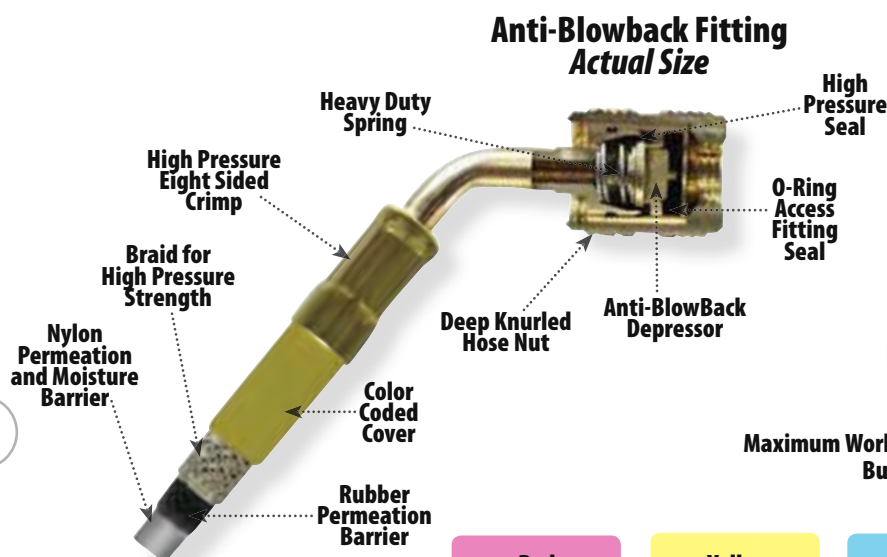
Uniworld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniworld.com

Soft Magic[®] Barrier Hose with Anti-BlowBack Fittings



A premium flexible barrier hose rated for R410A, CFC, HCFC and HFC refrigerants. Small, compact, low loss Anti-blowback fittings prevent refrigerant finger burns when connecting and disconnecting from an access fitting.

**RATED FOR
R410A
*2 YEAR
WARRANTY**



Maximum Working Pressure: 800 psi
Burst Pressure: 4000 psi

HVAC-R Tools

	Length		Red Part#	Yellow Part#	Blue Part#	Hose Set 1 Each R, Y, B Part#
Soft Magic[®] Barrier Hoses w/Anti-Blowback Fittings	6"	15cm	H06SMBAR	H06SMBAY	H06SMBAB	HC353SMB Hose Set: [2] 3 ft. hoses and [1] 5 ft. Hose
	12"	30cm	H1SMBAR	H1SMBAY	H1SMBAB	
	24"	60cm	H2SMBAR	H2SMBAY	H2SMBAB	
	36"	90cm	H3SMBAR	H3SMBAY	H3SMBAB	
	48"	120cm	H4SMBAR	H4SMBAY	H4SMBAB	
	60"	150cm	H5SMBAR	H5SMBAY	H5SMBAB	HC5SMB
	72"	180cm	H6SMBAR	H6SMBAY	H6SMBAB	HC4SMB
	96"	240cm	H8SMBAR	H8SMBAY	H8SMBAB	HC5SMB
	25'	7.50m	H25SMBAR	H25SMBAY	H25SMBAB	HC6SMB
	50'	15.00m	H50SMBAR	H50SMBAY	H50SMBAB	HDC5MBA
	100'	30.00m	H100SMBAR	H100SMBAY	H100SMBAB	Hose Set: [3] 5 ft. 1/4" Hoses and [1] 5 ft. 3/8" Hose

**92655
Soft Magic[®] Barrier
Hose Display Rack
[Holds up to 50 hoses]**



*See HVAC/R Price List for Details

**Replacement
Parts**

Part#	Description
ABBRK	Anti-Blowback O-Ring Repair Kit. Pkg. of (4) X47R
HX14N-10	Pkg. of (10) Gaskets

Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com





Soft Magic® Barrier Enviro Hoses

**RATED FOR
R410A
*2 YEAR
WARRANTY**

The Soft Magic® Barrier Enviro hose has a 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.

HVAC-R Tools



Maximum Working Pressure: 800 psi
Burst Pressure: 4000 psi

Service Connectors



Part# SC90
(90° Bend)



Part# SC45
(45° Bend)



Part# SC180
(Straight)

6" Flex Service Hoses

Part#
SCFHY [Yellow]
SCFHR [Red]
SCFHB [Blue]

Soft Magic®
Barrier Enviro
Hoses with
45° Bend Service
Connector

Length

36"	90cm
48"	120cm
60"	150cm
72"	180cm
96"	240cm
25'	7.50m
50'	15.00m
100'	30.00m

Red
Part#

H3SMBER
H4SMBER
H5SMBER
H6SMBER
H8SMBER
H25SMBER
H50SMBER
H100SMBER

Yellow
Part#

H3SMBEY
H4SMBEY
H5SMBEY
H6SMBEY
H8SMBEY
H25SMBEY
H50SMBEY
H100SMBEY

Blue
Part#

H3SMBEB
H4SMBEB
H5SMBEB
H6SMBEB
H8SMBEB
H25SMBEB
H50SMBEB
H100SMBEB

Hose Set
1 Each **R, Y, B**

HC3SMBE
HC4SMBE
HC5SMBE
HC6SMBE

HC353SMBE
Hose Set: [2] 3 ft. Hoses
and [1] 5 ft. Hose

*See HVAC/R Price List for Details

Part#

Description

Repair Kit

21085

Service Connector Repair Kit Includes: [2] O-Rings and [1] Retainer Clip



Ball Valve Adaptors



Inline, Panel Mount, 45° Bend



**INLINE OR PANEL
MOUNT BALL VALVE
ADAPTOR**

92806

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



**45° BEND
BALL VALVE
ADAPTOR**

92809

- 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.

**Inline or
Panel
Mount
Ball Valve**

Part#	Description
92809	Ball Valve Adaptor 1/4" M.F. x 1/4" F.F. with 45° Bend
92833	Ball Valve Adaptor 1/4" M.F. x 1/4" F.F. with 45° Bend [Set of 3]

**Ball
Valve
Adaptor**

6" Enviro Adaptor Hoses

*For less wear on your refrigeration system,
substantial energy savings and reduced operating costs.*



90048



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" Hose, 3/8" M.F. x 1/4" F.F. Hose w/45° Bend, Yellow

**6"
Enviro
Adaptor
Hoses**

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

HVAC-R Tools

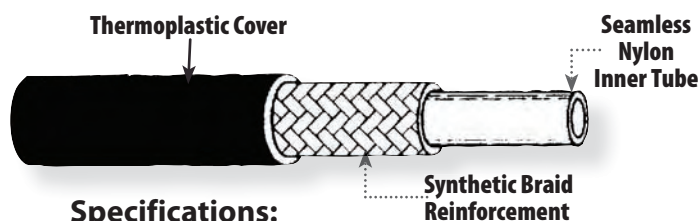
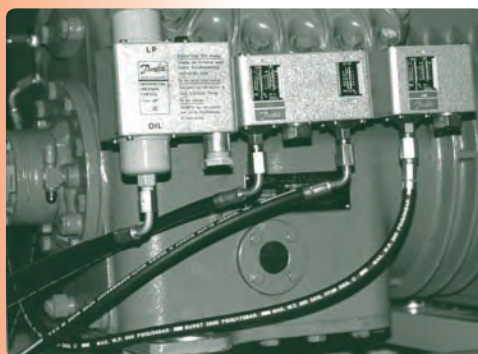




Super Black Magic® Refrigerant Hoses

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 a synthetic braid reinforcement and covered with black thermoplastic elastomer for maximum abrasion resistance. Refrigerant service technicians have found that this hose is easy to install in refrigeration rack systems in Supermarkets, Processing Plants and Paper Mills and is very cost effective. Available with optional 90° fittings for easy installation.

HVAC-R Tools



Specifications:

- Maximum Operating Pressure: 500 psi [34 Bar]
- Burst Pressure: 2500 psi [173 Bar]
- Maximum Working Temperature: 250°F [122 °C]
- Minimum Bend Radius: 2.00" [50.8mm]



	Length	Straight x Straight Part#	Straight x 90° Part#	90° x 90° Part#	Description
1/4" F.F. x 1/4" F.F. Super Black Magic® Hoses	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
3/8" F.F. x 3/8" F.F. Super Black Magic® Hoses	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

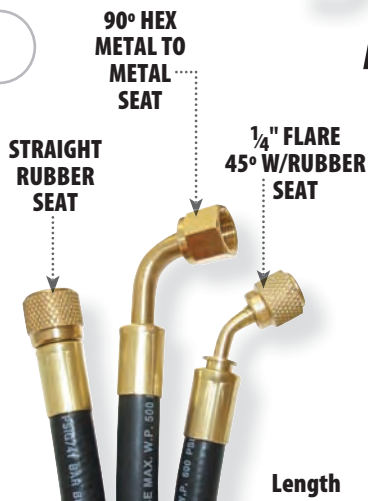
	Part#	UPC#	Description
Replacement Parts	HFX14-10	47608	Pkg. of [10] Copper Flare Gaskets [1/4" Hose]
	HFX38-10	47609	Pkg. of [10] Copper Flare Gaskets [3/8" Hose]





Soft Magic® Hoses

Heavy Duty Charging & Vacuum Hoses



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.		3/8" Str. x 1/4" 45°		3/8" F.F. x 3/8" F.F.		3/8" F.F. x 3/8" F.F. 90°		3/8" F.F. 90° x 3/8" F.F. 90°	
	Part#		Part#		Part#		Part#		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.		5/8" Str. x 5/8" Str.		1/2" F.F. x 1/2" F.F.		5/8" F.F. x 5/8" F.F.		3/4" F.F. x 3/4" F.F.	
	Part#		Part#		Part#		Part#		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	

*See HVACR Price List for details.



HEX FEMALE FLARE METAL TO METAL SEAT

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]

STRAIGHT RUBBER GASKET SEAT



Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com



65



HVAC-R Tools



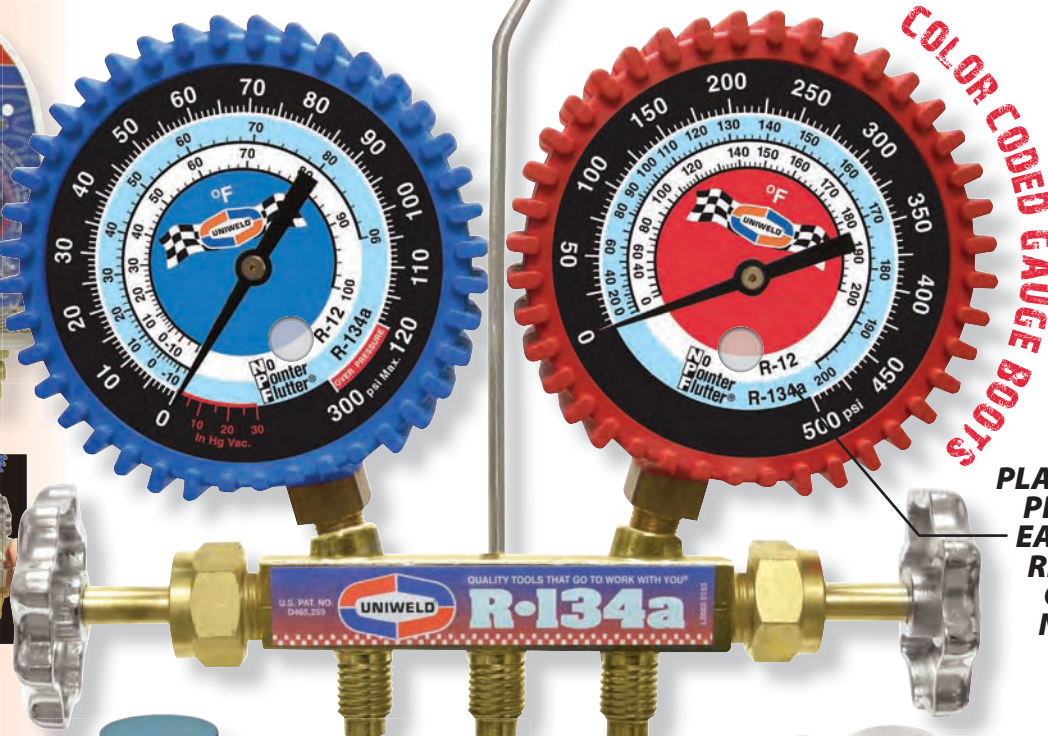
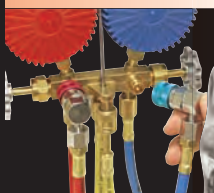
Man, What a Manifold®

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



HVAC-R Tools

Automotive



**PLASTIC LENS
PLUG FOR
EASY ZERO
RESET OF
GAUGE
NEEDLE**

90044
Low Side

**Manual
Service
Couplers**

48800

90043
High Side

90045
High Side

**Automatic
Couplers**

90046
Low Side

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.

Man, What a Manifold!

	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
47827 Manifold 2½" LPF™ Gauges	36" [90cm]	47850	48050	48800 Manifold 3⅛" NPF® Gauges	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.

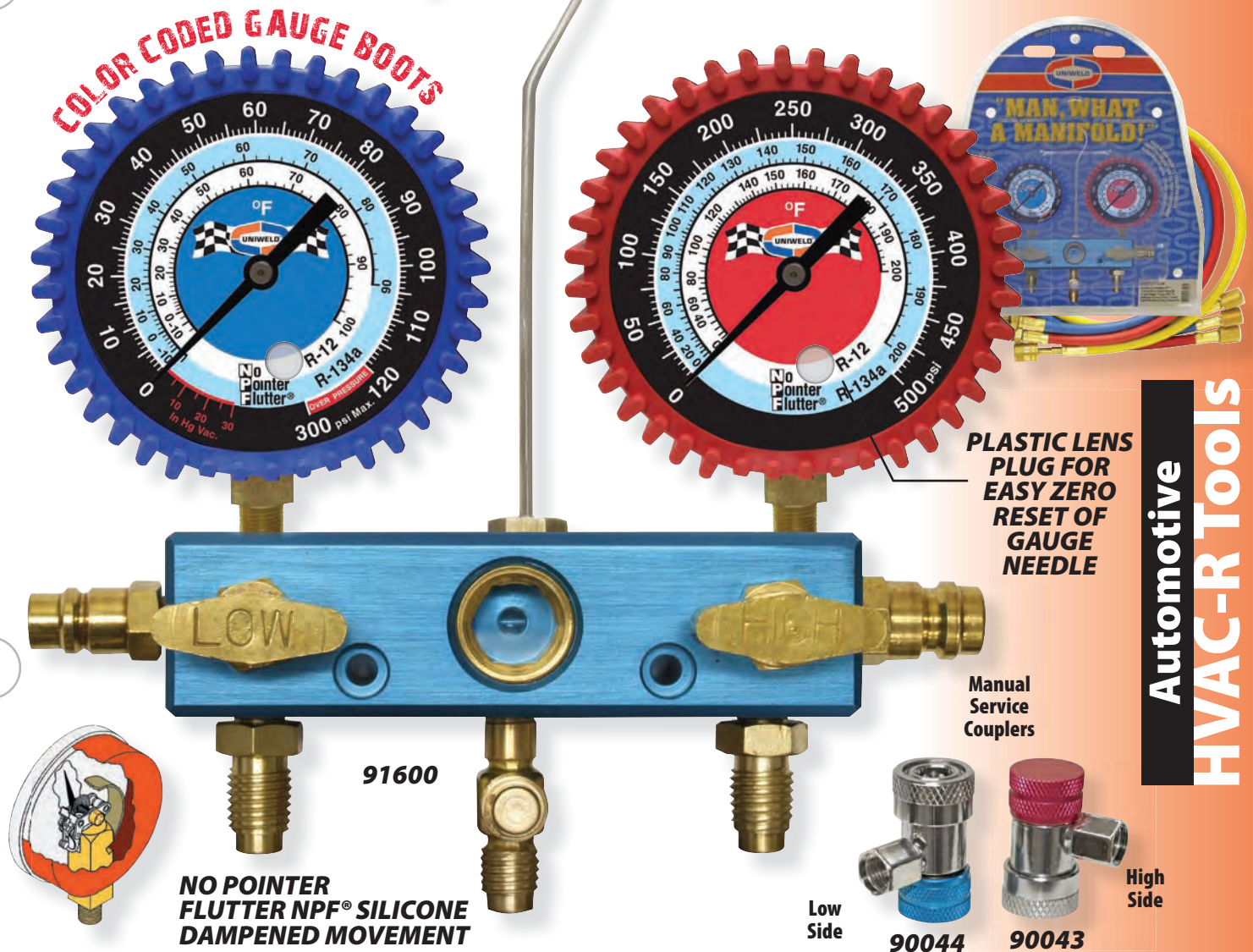
NOTE: R-12 service connections are not included.



Man, What a Manifold®



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



**Automotive
HVAC-R Tools**

The R-134a Automotive anodized aircraft aluminum block manifold features a large optical sight glass for monitoring refrigerant. High and low side brass front valves provide precision control. Optional manual or automatic service couplers available with either 2 1/2" LPF™ or 3 1/8" NPF® gauge manifolds. **Man, What a Manifold!**

	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
90000 Manifold 2 1/2" LPF™ Gauges	36" [90cm]	90007	90750	91600 Manifold 3 1/8" NPF® Gauges	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.

Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com





Automotive Hoses

Soft Magic® Charging Hoses

14mm



1/2" Acme with
Anti-blowback

14mm



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

Maximum Working Pressure: 800 psi
Burst Pressure: 4000 psi

HVAC-R Tools
Automotive

	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

Part#	UPC#	Description
90059	90059	Package of [2] 14mm O-Ring 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

Automotive Replacement Gauges LPF™ and NPF® R-134a/R-12 - PSI °F

2 1/2" LPF™ and 3 1/8" NPF® automotive R-134a replacement gauges provide accurate pressure readings on large easy-to-read dials with color coded gauge boots.



G10LAD
2 1/2"



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"

R-134a Service Couplers



The new improved R-134a Manual Service Couplers with 8 balls, accurately centers to the schrader valve. This will prevent damage to the schrader and securely locks the coupler onto the A/C service port.

Manual Service Couplers

Part#	Description
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]
90481	Manual Blue-Low Side w/92801 [3/8" M.F. Adaptor]
90482	Service Coupler O-Ring Repair Kit Includes: [1 each] X09R Low side and X11R High side



90043
High Side



90044
Low Side

Automatic Service Couplers

Part#	Description
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
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



90045
High Side



90046
Low Side

Automotive
HVAC-R Tools

R-134a & R-12 Convesion Kits

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

R-134a and R-12 Conversion Kits

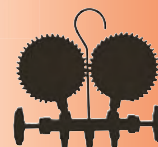
Part#	Description
47881	R-134a to R-12 Conversion Kit: [2] ABB1425 & [1] 13401 Adaptor
47880	R-12 to R-134a Conversion Kit: 90478, 90479 Manual Couplers and 92799 Adaptor 1/2" Acme F. X 1/4" M.F.



47881
Kit



47880
Kit





R-134a Auto Accessories

Automotive A/C Flush Kit

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

FEATURES INCLUDE:

- **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**



94180
Automotive
A/C Flush Kit

	Part#	Description
Flush Kit	94180	Auto A/C System Flush Kit

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

Part#	Description
BG1FA	Blowgun with Auto Rubber Tip Nozzle
H2P100D	24" Service Hose
40049	Auto Rubber Tip Nozzle with 1/8" M.P.T. Fitting

R-134a Can Tap Valve and Auto Recharge Hose

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



90060



49016

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



R-134a Auto Accessories



Refillable Oil/Dye Injector



The refillable Oil/Dye Injector has a 2 oz. capacity. The body and end caps are anodized aluminum 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

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

Automotive
HVAC-R Tools

Universal A/C Adaptor Kit

The kit box holds 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-12 and R-134a service hoses.



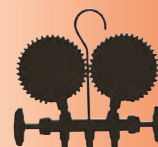
Universal Ball Valve with interchangeable service connectors

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.]

Parts Included in 92830 Kit



92830 Universal A/C Adaptor Kit





Adaptors & Accessories



92863
R410A Mini-Split Adaptor
5/16" [1/2"-20] Female w/ Depressor
x 1/4" Male w/ valve core



ABB410
R410A Mini-Split
Anti-Blowback Adaptor
5/16" [1/2"-20] Female x 1/4" M.F.



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



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.

Replacement Caps
92817 - 1/4" Plastic Cap [Pkg.10]
92818 - 1/2" Acme Plastic Cap [Pkg. 10]



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



92799
1/2" Acme F. x 1/4" M.F.



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



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



ABB1425
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



ABB190 90°
Anti-Blowback Adaptor
1/4" M.F. x 1/4" F.F.

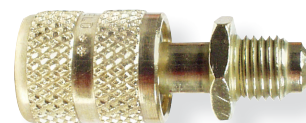


ABB125
Straight Anti-Blowback Adaptor
1/4" F.F. x 1/4" M.F.



ChargeTron[®]

Electronic Refrigerant Scale



LCD DISPLAYS
POUNDS/OUNCES OR
KILOGRAMS/GRAMS

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.

OPTIONAL CHARGING MODULE



**PART# 53651 HAS ADDITIONAL
120V AG POWER OUTLET**

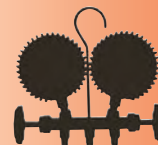


**BUILT-IN
LEVELING
EYE**

53650

HVAC-R Tools

Tare Weight:	Zeros out scale at any time.
Power:	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.
Two Weight Capacities:	110 lbs. [50 Kg] or 176 lbs. [80 Kg]
Accuracy:	At 110 lbs./50 Kg Capacity: $\pm .2$ oz./10g • At 176 lbs./80 Kg Capacity: $\pm .5$ oz./20g
Weight:	7.2 lbs. [3.26 Kg]
Dimensions:	15" X 13" X 3 $\frac{3}{8}$ " [38cm x 28cm x 8.5cm]
Operating Temperature:	32 °F to 120 °F [0 °C to 50 °C]
Case:	Rugged Plastic Carrying Case with a built-in handle.
Platform Size:	9" X 9" [23cm x 23cm] Ribbed Rubber Mat.
Optional Accessories:	<p>Part# 53651 Automatic Charging Module. Compatible with all refrigerants including R-410A. Maximum working pressure: 300 psi.</p> <p>Part# 53654 Automatic Charging Module. 220V model [no additional power outlet] Compatible with all refrigerants, including R-410A. Maximum working pressure 300 psi</p> <p>Part# 53652 120V AC Power Adaptor connects to ChargeTron[®] Refrigerant Scale.</p>





UV Light Leak Detector

FIND LEAKS FAST! A small amount of fluorescent universal dye is added to the A/C&R system. The universal dye is compatible with all refrigerants and oils used in an A/C&R system.

LeakSniper®



1
Connect Anti-Blowback Hose Fitting to the Low Side or High Side Service Valve of the A/C&R System.



2
The LeakSniper® Injection Gun will inject the UV Dye into the A/C&R System while under pressure. The dye circulates with the refrigerant's oil and escapes from the system at all leak points.



3
Searching for leaks is easy and simple with our 100 Watt Swivl Light and Portable, Rechargeable Lightweight Battery Pack.



94100

Part#	Description
94100	HVAC/R UV Leak Detector Kit
94104	Automotive UV Leak Detector Kit
94090	HVAC/R Leak Detector Kit w/18 L.E.D. Light
94091	UV Leak Detector Automotive Kit w/18 L.E.D. Light
94144	UV 18 L.E.D. Test Light w/Safety Glasses



UV Light Leak Detector



LeakSWIPER®



When Fluorescent Dye is exposed to the Ultraviolet Light, the leak source will glow a bright yellow/green.



Repair System and install Dye Sticker in a visible location on the unit.



**94090
HVAC/R UV
Leak Detector Kit
w/L.E.D. Light**



**94091
Automotive UV
Leak Detector Kit
w/L.E.D. Light**



**94144
UV 18 L.E.D. Light
w/Safety Glasses**

HVAC-R Tools





LeakSWIPER® UV Light Leak Detector



HVAC-R Tools

94100	94104	94090	94091	Ref.	Part#	Description
				1	90479	R-134a Low Side Coupler with 1/4" Male Fitting
				2	94105	Injection Gun
				3	94106	Blow Molded Carrying Case for 94100 and 94104
				3A	94137	Blow Molded Case for 94090 and 94091
				4	94107	6" Hose with Check Valve
				5	ABB190	1/4" Female Anti-Blowback Adaptor with 1/4" Male Fitting
				6	94109	Drip Cap for ABB190 & 94110
				7	94110	1/4" Female Anti-Blowback Adaptor with Quick Connect Fitting
				8	94111	100W Swivel Lamp with 5ft. [1.5 m.] Cord & Male Cigarette Receptacle
				8A	94112	100W Fixed Lamp with 16 ft. [5m] Cord and Battery Clips
				8B	94113	Rubber Ring for Lamp Filter
				8C	94114	Filter for Lamp
				8D	94115	Replacement Bulb 100W
				9	94116	Battery Adaptor with Female Cigarette Receptacle & A Terminals
				10	94117	4 ft. [1.25m] Cigarette Lighter Battery Charger with Male x Male Receptacle
				11	94118	12V Replacement Battery
				11A	94119	Battery Bag with Shoulder Strap
				12	94120	120V-60Hz Battery Charger [U.S.]
				13	94124	Safety Glasses
				14	94125	Dye Cleaner 32 oz. [960ml]
				15	94126	Dye Cartridge 1/4 oz. [7.5ml], Systems up to 2.9 LBS. Refrigerant
3	6	4		15A	94127	Dye Cartridge 1/4* oz. [7.5ml], Systems 3 to 5.9 LBS. Refrigerant [* Stronger Concentrate]
3				16	94128	Dye Cartridge 1/2 oz. [15ml], Systems 6 to 11.9 LBS. Refrigerant
				16A	94129	Dye Cartridge 3/4 oz. [22.5ml], Systems 12 to 25 LBS. Refrigerant
			2	16B	94094	Dye Cartridge 1 oz. [5 Auto Applications]
				17	94144	18 L.E.D. Test Light with Safety Glasses and Batteries
				17A	94138	18 L.E.D. Test Light

NOTE: ALL KITS INCLUDE 4 OZ. BOTTLE OF DYE CLEANER. FOR REORDER, USE PART #94125.
KITS 94090 AND 94091 INCLUDE (4) "AA" SIZE BATTERIES



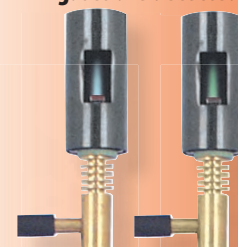
Halide Leak Detector



Propane Halide Leak Detector

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.

When chlorine based refrigerant gases are detected...



blue flame changes to green.

PLD33



LD7-1A



LDPLC



PCV



PLD33V



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



H02-3



Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com



HVAC-R Tools



Sludge Sucker®

Sludge Sucker®/Blaster® Kit

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 CO₂ 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 CO₂ [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.

Nitrogen & CO₂



40004

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



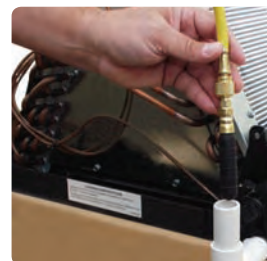
2. Use PVC fittings, if necessary, to attach vinyl hose to drain line.



Purge & Pressure Test an A/C&R System



Blow off coils with the Sludge Sucker® Blowgun



Clear out condensate drain lines with Sludge Blaster®

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



	Part#	Regulators	Sludge Item	Hoses	Blowgun	Adaptor	Carrying Stand
Nitrogen Kit	40001	R1563 [Delv. 5-175 psi]	40000 Sludge Sucker®	H5SMY 5 ft. hose	BG1	-	515 [20 cu. ft.]*
	40002	R1563 [Delv. 5-175 psi]				-	516 [40/55 cu. ft.]*
	40003	RHP500 [Delv. 20-500 psi]				-	515 [20 cu. ft.]*
	40004	RHP500 [Delv. 20-500 psi]	40061 Sludge Blaster®	-		516 [40/55 cu. ft.]*	
	40039	RHP400 [Delv. 20-400 psi]		-		515 [20 cu. ft.]*	
	40040	RHP400 [Delv. 20-400 psi]		-		516 [40/55 cu. ft.]*	

*Tank not included.



Sludge Sucker®

Sludge Sucker® Maintenance Kit



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



Blow off coils with the Sludge Sucker® Blowgun



Clean condensate drain lines with the Sludge Blaster®



Inflate tire with the Sludge Sucker® Air Chuck

Nitrogen & CO₂



40055

40055 – SLUDGE SUCKER® MAINTENANCE KIT

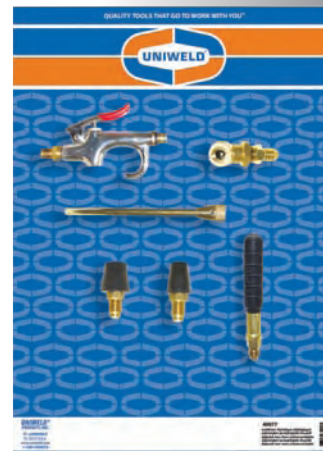
Part#	Description	Part#	Description
RHP400	Nitrogen Regulator	40048	Needle Tip
40000	Sludge Sucker®	40050	1/2" Rubber Plug
40061	Sludge Blaster®	40022	3/4" Rubber Plug
H2SSM	2 Ft. Hose [Yellow]	BG1	Blowgun
H5SMY	5 Ft. Hose [Yellow]	40045	Air Chuck

Sludge Blaster® Accessory Kit

Already own a nitrogen regulator? This 8 piece accessory kit attaches to your regulator and includes the most popular tools to unclog and flush drain lines.

40077 – SLUDGE BLASTER® ACCESSORY KIT

Part#	Description	Part#	Description
40061	Sludge Blaster®	40050	1/2" Rubber Plug
H2SSM	2 Ft. Hose [Yellow]	40022	3/4" Rubber Plug
H5SMY	5 Ft. Hose [Yellow]	BG1	Blowgun
40048	Needle Tip	40045	Air Chuck



40077

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Fort Lauderdale, FL 33312 U.S.A.
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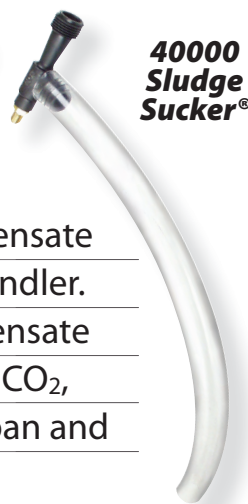
79



Sludge Sucker®

Now With Twice The Suction Power

The Sludge Sucker® is a tool that was developed to clean out a condensate drain line without having to access the drain pan located in an 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 CO₂, suction is created that pulls all the sludge and algae from the drain pan and drain line; then blows it onto the ground outside.



1. Locate condensate drain line. Sludge Sucker® vinyl hose fits inside a 3/4" PVC fitting.
2. Use PVC fittings, if necessary, to attach vinyl hose to drain line.
3. Allow Nitrogen to flow through Sludge Sucker® fitting and then watch the sludge get sucked out of the drain line and blown out onto the ground.



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.
2. Allow Nitrogen [at max. 140 PSIG] to flow through, blasting the sludge free!
3. Replace PVC Cap on "T" connection. For future service: DO NOT GLUE PERMANENTLY.



40061

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

Unclog drain pipes FAST with the Drain Blaster™. Using a standard 3/4" garden hose, the Drain Blaster™ expands inside the pipe and exerts water pressure on the clog... blasting it free.



40062



40063



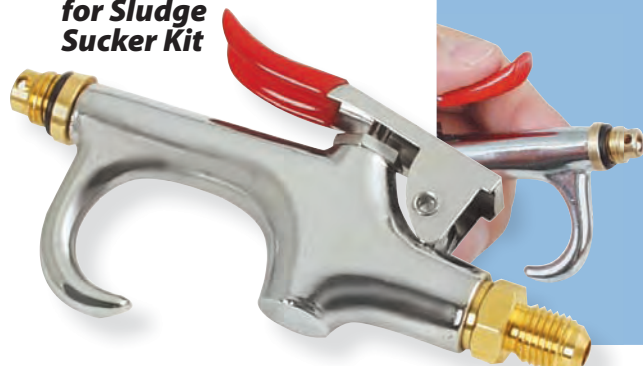
40064

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.

Accessories



**BG1
Blowgun
for Sludge
Sucker Kit**



**40045
Air Chuck**

Blowgun Accessories



40048



H2SSM



H5SMY

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.

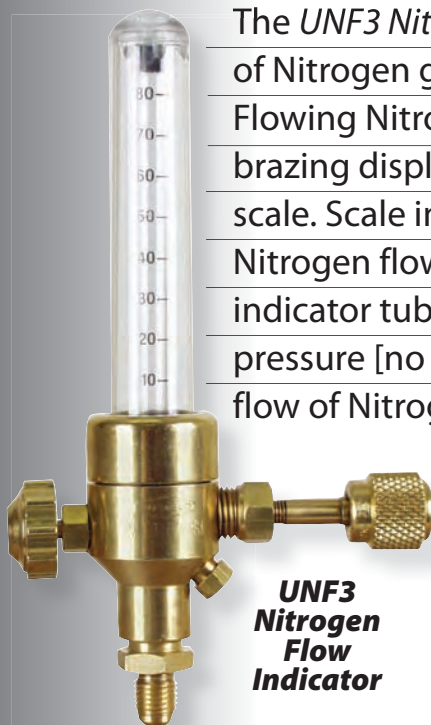




Nitrogen Flow Indicator

The *UNF3 Nitrogen Flow Indicator* is a visual tool that confirms the flow of Nitrogen gas through the copper lines during the brazing process. Flowing Nitrogen gas at low pressure through copper tubing while brazing displaces the oxygen, preventing oxidation and the resulting scale. Scale inside the tubing can cause blockage within the TXV valve. Nitrogen flow is visually confirmed by the float ball rising in the flow indicator tube. If the ball does not rise in the tube, then there is static pressure [no flow] and oxygen is not being displaced. Controlling the flow of Nitrogen gas conserves its consumption and cuts operating costs.

Nitrogen & CO₂



**UNF3
Nitrogen
Flow
Indicator**



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

Flow Indicator Ball

Nitrogen and CO₂ Regulators

- Compact, reliable design for soft drink dispensing systems [*not beer*] and many types of pressurizing applications
- Adjustable pressure screw with locking nut
- Self re-seating relief valve [*not designed to protect downstream systems*]



R1563

- CGA320 - CO₂ inlet connection with O-ring
- CGA580 - Nitrogen inlet connection
- 1/4" SAE flare outlet
- U.L. Listed

	CO ₂ 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 ₂ Part#	Nitrogen Part#	Nitrogen/CO ₂ Delivery/Contents	Delivery PSIG
2 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

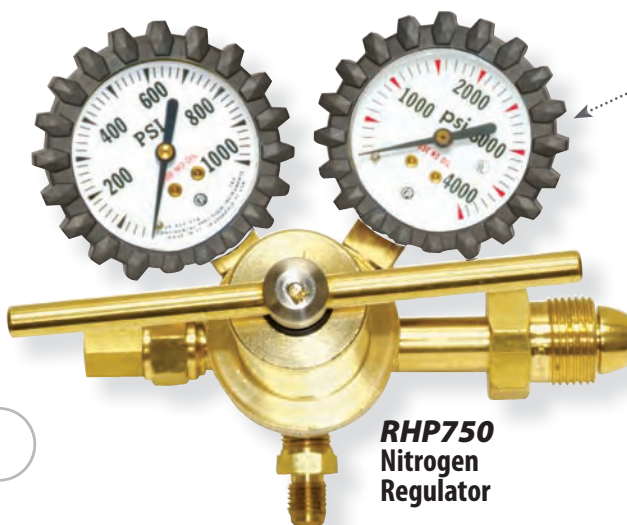
*Gauges shipped with boots



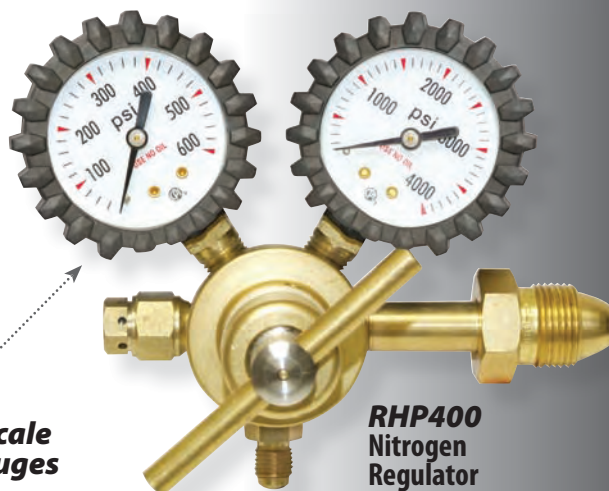
Nitrogen/CO₂ Regulators



- Specially designed for purging and pressure testing • Regulators for use with Nitrogen or CO₂ [with optional F36 adaptor]
- Large "T" handles with stainless steel screws (and bushing) prevents galling.



RHP750
Nitrogen
Regulator



RHP400
Nitrogen
Regulator



RHP500
Nitrogen
Regulator

F36
[UPC# 43319]
Nitrogen to
CO₂ adaptor



Nitrogen & CO₂



GB20S
2" Gauge
Boot Set,
[2] Black



G8SD



G34SD



G7SD

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"

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
RHP750	13200	580	1/4" M.F.	[G34SD] 1000/4000 [G7SD]	0-700

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

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PVC Pipe Cutters

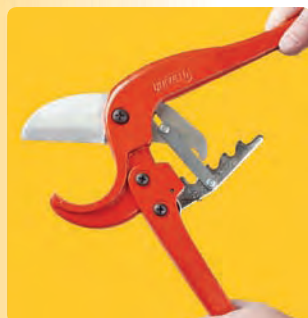
Still using that old saw blade that never cuts clean and takes a lot of time and effort? Then these tools are a must. They're ideal for cutting plastic pipe commonly used for condensate drain lines, plumbing lines, irrigation and electrical conduit. Easy-to-use ratchet action mechanism cuts cleanly through all kinds of plastic pipe including: PVC, CPVC and Polyethylene. The hardened steel blade holds a sharp edge and is easily field replaceable.

70087

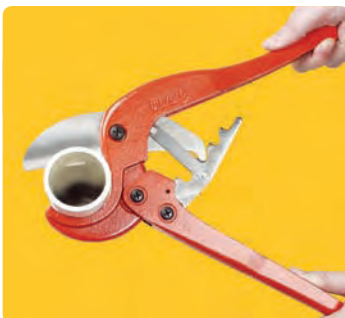
70087 PVC Ratchet Pipe Cutter
Cuts up to 2 1/2" O.D. [63mm]

70089 Replacement blade for:
70087 PVC Ratchet Pipe Cutter

Tubing Tools



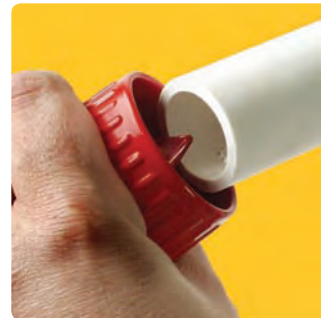
Release safety lock and pull handles open with both hands.



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



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



Use inside/outside Deburring Tool [UniWeld Part# 70079] to remove burrs from pipe.

70080 Replacement blade for:
70078 PVC Ratchet Pipe Cutter

70078

70078 PVC Ratchet Pipe Cutter
Cuts up to 1 5/8" O.D. [42mm]



70078



Ratchet Screwdrivers



20 'N' 1 Ratchet Screwdriver

Muti-tip ratchet screwdriver with 14 interchangeable magnetic double-end bits, three nut drivers, two valve core extractors and one wire bender.

Three ratchet driver settings: Forward, Reverse & Manual



12 Bit Storage Compartment

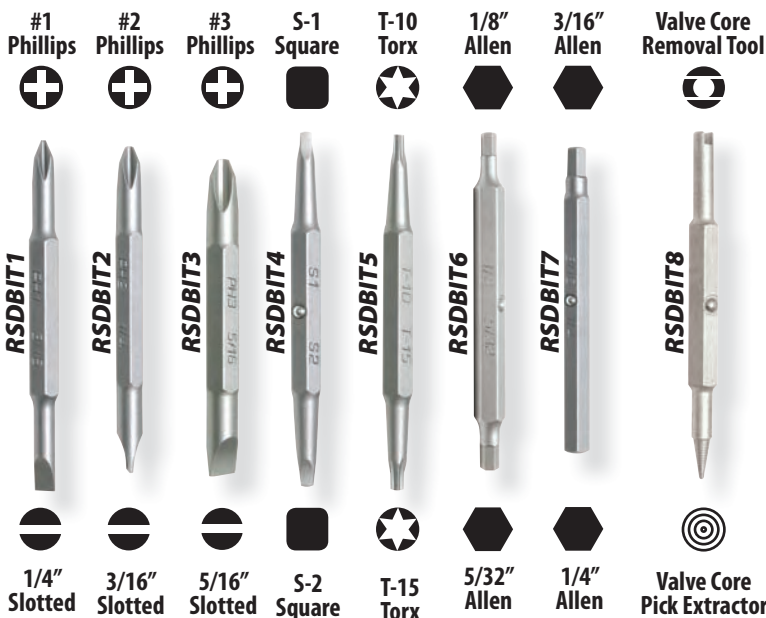


20N1RSD

1/4" Nut



5/16" Nut



7/16" Nut Driver



Wire Bender up to 12 ga.



Valve Core Removal Tool



Valve Core Pick Extractor Removes broken valve core

Tubing Tools

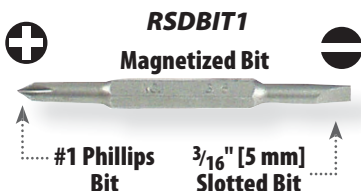
6•N•1 Ratchet Screwdriver

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



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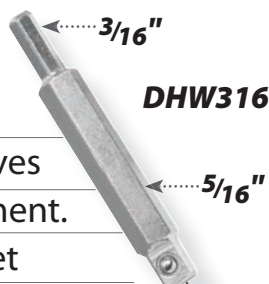




Dual Hex Wrench Adaptor

Dual Hex Wrench Adaptor

Dual Hex Wrench Adaptor for use on $\frac{3}{16}$ " and $\frac{5}{16}$ " hex liquid & suction valves on residential and commercial equipment. Fits Uniweld's 70022 Reversible Ratchet Wrench, $\frac{1}{4}$ " square socket. Heat treated alloy steel, plated to prevent rust.



Reversible Ratchet Wrench

Reversible Ratchet Wrench for compressor access valves and acetylene B & MC tank valves. Square opening with $\frac{1}{4}$ " and $\frac{3}{16}$ " at one end; $\frac{3}{8}$ " and $\frac{5}{16}$ " at other end.



Tubing Tools

Reversible & Offset Ratchet Wrenches +

Double end reversible ratchet wrench with offset design for knuckle clearance in tight work areas. Chrome plated, heat-treated alloy steel construction with stronger gear teeth & reversing mechanism.



70075

70074



70075
Heavy Duty Offset Ratchet Wrench +
DHW316 Hex Adaptor
• Hex openings
 $\frac{1}{2}$ " and $\frac{9}{16}$ " at one end;
Square openings
 $\frac{1}{4}$ " and $\frac{3}{16}$ " at
other end

70074
Offset Ratchet Wrench +
DHW316 Hex Adaptor
• Square openings
 $\frac{1}{4}$ " and $\frac{3}{16}$ " at one end;
 $\frac{5}{16}$ " and $\frac{3}{8}$ " at
other end



Pinch-Off Tool



Pinch off tubing to isolate a piece of equipment in need of repair. This is especially effective in emergency situations that require immediate stoppage of a leak.

The maximum throat depth is 1" [25.4 mm].

Individually carded.



70076



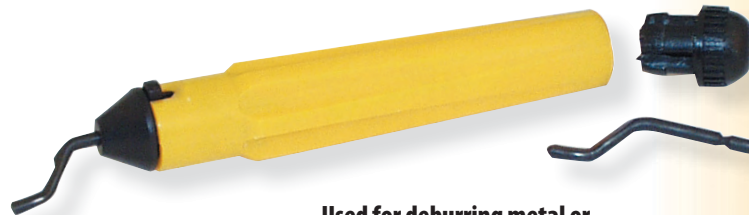
Deburring Tools

70072 Inside/Outside Deburring Tool

Quickly removes burrs and sharp edges on all size tubing.

Removable end cap for convenient storage of replacement blades.

70072
Deburring Tool



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

70079
Deburring Tool

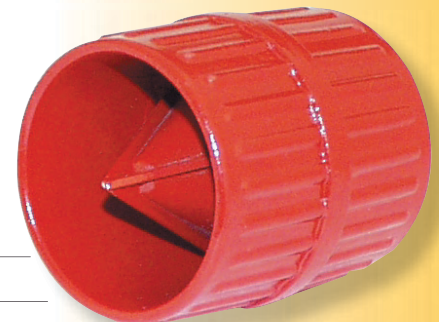


70079 Inside/Outside Deburring Tool

Heavy duty metal shell with double edge steel blades for removing burrs

Capacity 1/8" to 1 5/8" O.D.

[3 mm to 42 mm]



70079



Flaring Tools



**70003
Heavy Duty
Flaring Tool**

Hardened steel flaring cone with a chrome finish for more uniform flares without galling • Forged steel swivel type self centering yoke and long handle • Special shaped wing nuts permit using the long handle of yoke as a lever when tightening • Hardened steel flaring bar grips tubing without scoring

Heavy Duty Flaring Tool

- 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



Heavy Duty Flare/Burnish Tool

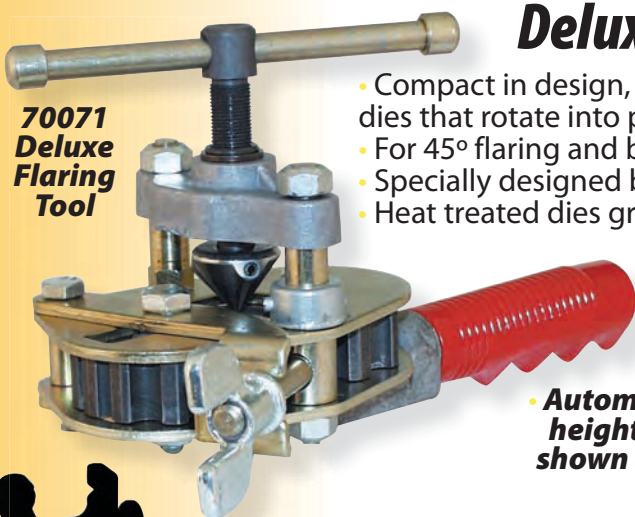
- For 45° flaring of $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ " O.D. soft copper, aluminum and brass tubing • Specially designed burnishing cone with a hard chrome finish automatically burnishes flare face • Swivel-Type, Self-Centering Yoke • Heat treated dies grip tubing without scoring.



**70004
Heavy Duty Flare
Burnish Tool**



Deluxe Flaring Tool



**70071
Deluxe
Flaring
Tool**

- Compact in design, incorporating nine different sized hardened dies that rotate into position for the correct desired tube size.
- For 45° flaring and burnishing $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " & $\frac{3}{4}$ "
- Specially designed burnishing cone for a smooth polished flare.
- Heat treated dies grip tubing without scoring or constricting the tube.

• **Automatic tube height gauge shown at right.**



Flaring/Swaging Tools



Flare/Burnish and Swaging Tool Kit



70007
Flare/Burnish and Swaging Tool Kit

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



- For 45° Flaring of 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" O.D. soft copper, aluminum and brass tubing
- Converts quickly to Swaging Tool with use of Swage Adaptors for 3/16", 1/4", 5/16", 7/16", 3/8", 1/2", 5/8" and 3/4" O.D. tubing
- Swivel-Type Self-Centering Yoke
- Plastic Case and Instructions included.

Part#	Description
70048	3/16", 1/4", 3/8" O.D. Tube
70049	5/16" O.D. Tube
70050	1/2" O.D. Tube

Part#	Description
70051	5/8" O.D. Tube
70052	3/4" O.D. Tube
70053	45° Flare -

Punch Type Swaging Tools

- Designed to enlarge one end of copper tubing to make a connection without a fitting.
- Swaging method means one solder joint, not two; takes half the soldering or brazing time that fittings require.



70006

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

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



70005

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



70046

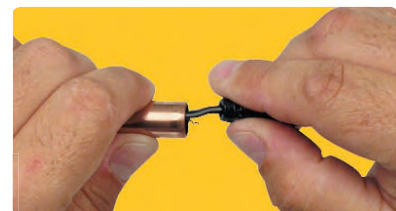
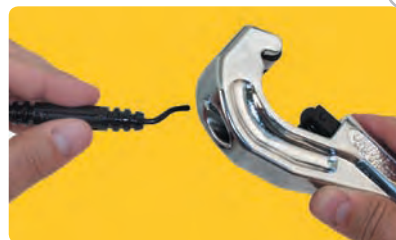
70047



Tubing Cutters

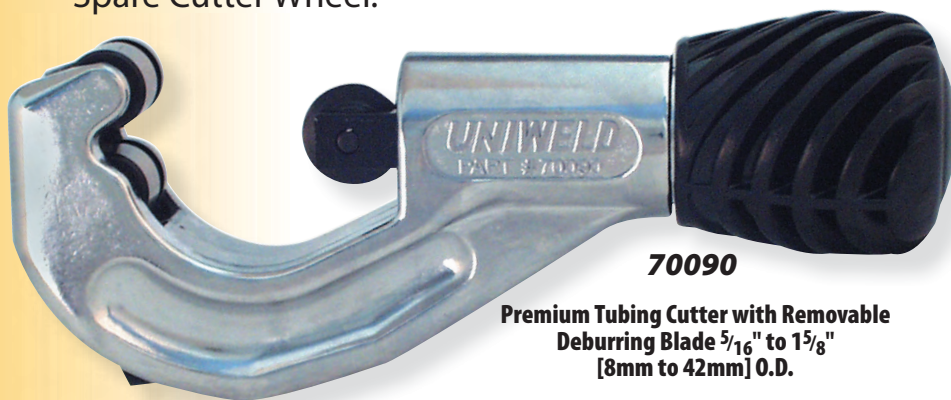
Premium Tubing Cutters

- Precision Feed Screw Mechanism that is enclosed to eliminate clogging and jamming for trouble-free performance
- Tube Cutters remain the same length for use in restricted spaces
- For accurate cutting of copper, brass and aluminum tubing
- Rollers are grooved for cutting close to flared end of tubing
- Handy Deburrer Reamer is part of the tool
- Contoured Knob holds Spare Cutter Wheel.



70090 includes a Removable Deburring Tool [Replacement #70091] for removing sharp edges from tubing.

Tubing Tools



70090

Premium Tubing Cutter with Removable Deburring Blade $\frac{5}{16}$ " to $1\frac{5}{8}$ " [8mm to 42mm] O.D.



NEW HANGING DISPLAY PACKAGE



Premium Tubing Cutter $\frac{1}{8}$ " to $1\frac{1}{4}$ " [3mm to 32mm] O.D.

70001



70001 includes a Fold-Away Reamer Tool for removal of sharp edges from tubing

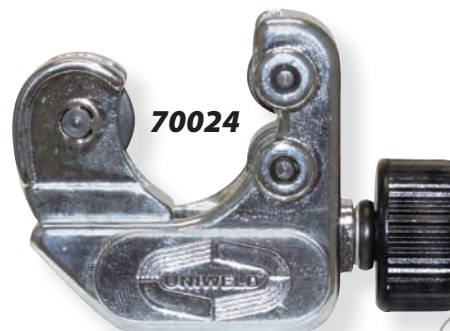


70000

70000 Mini Tubing Cutter $\frac{1}{8}$ " to $\frac{7}{8}$ " [3mm to 22mm] O.D.

Mini Tubing Cutters

- Compact Body and Sliding Block Design reduce overall dimensions for use in restricted spaces
- Accurate cutting of Copper, Brass and Aluminum Tubing
- Large Knurled Feed Screw Knob provides precision control for clean cuts
- Rollers are grooved for cutting close to flared end of tubing
- Individually display carded.



70024

70024 Mini Tubing Cutter with Spare Wheel $\frac{1}{4}$ " to $1\frac{1}{8}$ " [6mm to 28mm] O.D.

90



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Tubing Cutters

Quick Action Tubing 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 perfect cutting action on the smallest and largest tubing capacities. For cutting brass, aluminum and copper tubing.

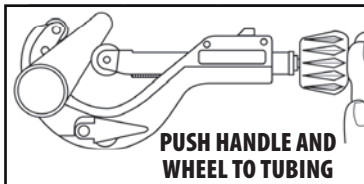


Fold-Away Reamer/Deburrer

70002

Quick Action Tubing Cutter
1/4" to 2 1/2" [6mm to 62mm] O.D.

Knob Holds Spare Cutter Wheel



PUSH HANDLE AND WHEEL TO TUBING



PUSH RELEASE OPENS CUTTER

Tubing Cutter Replacement Parts

Tubing Cutter	Cutter Wheel Display Pkg.	Cutter Wheel Bulk Pkg.	Cutter Wheel Screw
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 Parts Card]

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

Tubing Tools





Ratchet Tube Bender

UniWeld's CrossBow™ Ratchet Tube Bender enables the plumber & HVAC/R technician to create precision bends up to 90° of soft copper and aluminum tubing.

The low friction mandrels and rotating side support blocks provide precision bending in restricted spaces • Bend tubing: 3/8", 1/2", 5/8", 3/4", 7/8", 1 1/8" O.D.

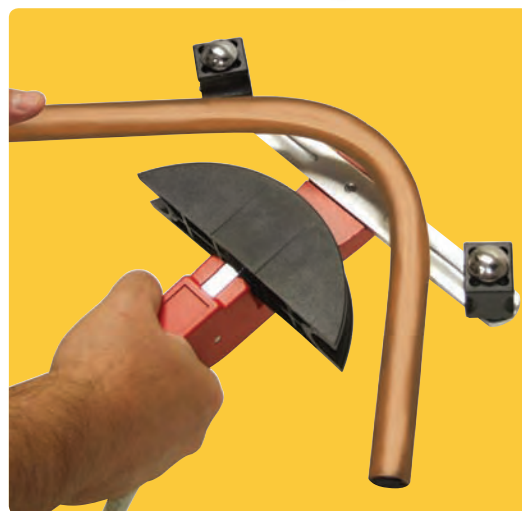
- Minimum distortion bends for optimal flow
- Repeated alternate angled bends • Rugged plastic carrying case.



Kit includes:
6 interchangeable mandrels, 3 rotating side support block bars, 1 ratchet bender, plastic case and instructions



RTB118



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	3/8" Mandrel for Crossbow Ratchet Tube Bender
RTBM58	5/8" Mandrel for Crossbow Ratchet Tube Bender
RTBM78	7/8" Mandrel for Crossbow Ratchet Tube Bender
RTBR	Crossbow Ratchet Tube Bender Body Assembly for RTB118
RTBRC	Crossbow Ratchet Tube Bender Replacement Case

Spring Tube Benders

Free-form bending of soft copper and aluminum tubing is fast and professional looking with UniWeld's spring tube benders. Spring slips over tubing and prevents collapsing of the tube walls while bending. Individual Display Package.

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]

**70028
Bending Spring Set**



1/4"

5/8"

3/8"

1/2"

Tube Bender

3-in-1 Triple Tube Bender



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.

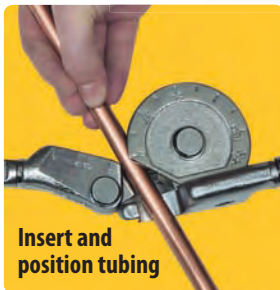


70015
Triple Tube Bender

Lever Type Tube Benders



70010



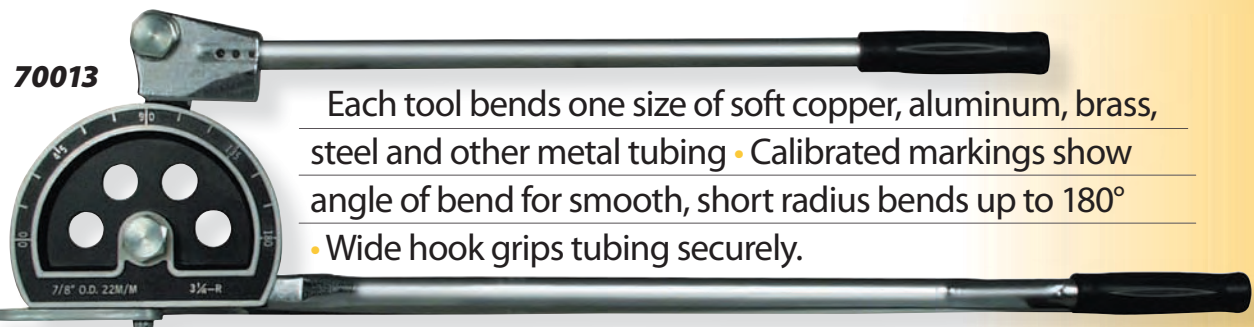
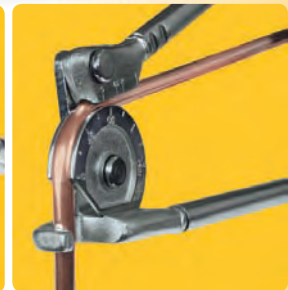
Insert and position tubing



Swing bender handle into position



Bend tubing to desired angle



70013

Each tool bends one size of soft copper, aluminum, brass, steel and other metal tubing • 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
70008	Bender	1/4" O.D.	9/16"
70009	Bender	5/16" O.D.	11/16"
70010	Bender	3/8" O.D.	1"
70011	Bender	1/2" O.D.	1 1/2"
70012	Bender	5/8" O.D.	2 1/4"
70013	Bender	3/4" O.D.	3"
70014	Bender	7/8" O.D.	3 1/4"

Part#	Replacement Part
70082	Hook for 70012 Bender
70083	Hook for 70013 Bender
70084	Hook for 70014 Bender
70085	Washer for 70086
70086	Screw for 70082, 70083 & 70084

Tubing Tools





Check your Pressure™

Gas Pressure Test Kit

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 off the dial lens to access the adjusting screw located on the dial face.

Gauges



45503
Gas Pressure
Test Kit

Part#	Description
45503	Scale: 0-35" W.C., 0-20 oz./In ²
45506	Scale: 0-15" W.C., 8.6 oz./In ²

Replacement Parts

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

Uniweld Gas Pressure Test Kits Include:

- Diaphragm gauge that accurately sets manifold pressure for Natural or LP gas
- Brass fitting [barbed x 1/8" M.P.T.] and rubber tube with nipple for easy connection to manifold • High impact protective plastic case • Instructions.

Water Manometer

The most economical way to check/set manifold pressure in furnaces and gas appliances that use Natural or LP gas. Simply fill with water to zero and place in vertical position using the convenient magnet. Attach fitting to manifold and begin pressure test. Pressure reading is indicated by water level in small tube. Accurate pressure reading from 0-15 inches water column.

11482



Part#	Description
11482	Water Manometer Scale 0-15"



Tridicators

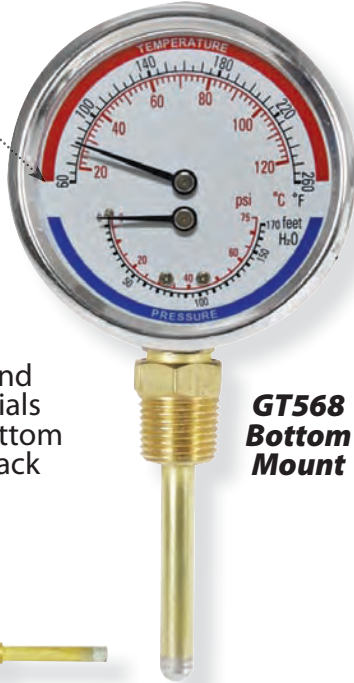


Designed primarily for hot water boiler systems. Two instruments in one...you can measure water pressure in PSI and H₂O feet, plus monitor temperature in °F and °C.

3 1/2" Tridicator has adjustable lens with indicator mark

Round Tridicator Gauges

Large 2 1/2" and 3 1/2" round dials available in bottom and center back mount.



**GT568
Bottom
Mount**



GT565

**Center Back
Mount x 2" Extension**



**GT512-2
Bottom
Mount**

3 1/2" Square Tridicator Gauges

Large 3 1/2" square dial. Available in bottom mount and lower back mount.



**Lower
Back
Mount**

GT562-2

Gauges

Part#	UPC#	Description
GT512-2	69116	3 1/2" Square Tridicator, 0-60 PSI, 0-400 kPa and 70-250 °F, 20-120 °C, 1/2" NPT B.M.
GT562-2	69117	3 1/2" Square Tridicator, 0-60 PSI, 0-400 kPa and 70-250 °F, 20-120 °C, 1/2" NPT L.B.M.
GT565	69130	2 1/2" Round Tridicator, 0-75 PSI/170 ft. H ₂ O, 60-260 °F/20-120 °C, 1/4" NPT C.B.M. x 2" Extension
GT566	69131	2 1/2" Round Tridicator, 0-75 PSI/170 ft. H ₂ O, 60-260 °F/20-120 °C, 1/4" NPT C.B.M.
GT568	69133	3 1/2" [80mm] Round Tridicator, 0-75 PSI/170 ft. H ₂ O, 60-260 °F/20-120 °C, 1/2" NPT B.M.

Pocket Bi-Metal Thermometer

- 1" Dial size with stainless steel case
- 5" Stainless steel 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**

Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com





Gas Test Gauges

The choice is yours...use either a top mount or side mount for your gas test gauge needs. Use to pressure test all new installations for leaks and passing inspection codes.

Once the unit has been installed and the system pressurized, leakage will be indicated by pressure drop on the gauge.

ALL GAUGES SHIPPED INDIVIDUALLY BOXED UNLESS ORDERED WITH DISPLAY PACKAGE.



TGB6



GP210-5

TGH30 Side Mount



TGB30 Top Mount



Gauges

Gauge	Replacement Gauges	1/2" FPT Box	1/2" Display	*Top Mount 3/4" FPT Box	*Top Mount 3/4" Display	1" FPT Box	1" Display	Side Mount 3/4" FPT Box	Side Mount 3/4" Display
**0-32 oz./in. ² - 55" W.C. 138 mb [2.5" [63mm]]	GD305	TGB202	41301	TGB02	41351	TGB102	41401	TGH2	41455
**0-5 psi/in. ² - 140" W.C. 360 mb [2.5" [63 mm]]	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
Replacement Parts		Part#		Part#		Part#		Part#	
Top Mount Body with Air Valve		TGB2		TGB		TGB1		-	
Side Mount Body with Air Valve		-		-		-		TGH	
Air Valve with Cap [only]		TGV		TGV		TGV		TGV	

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

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

Water Test Gauges

Part#	Description
TGW300	Water test gauge with 3/4" female hose connection, 2 1/2" gauge, 300 PSI
TGW300DP	Water test gauge with 3/4" female hose connection, 2 1/2" gauge, 300 PSI Drag Pointer
TGW160	Water Test gauge with 3/4" female hose connection, 2 1/2" gauge, 160 PSI

Replacement Parts and Gauges

Part#	Description
TGW	3/4" FHT x 3/4" female NPT connection only
GS316-5	2 1/2", 300 PSI, 12 o'clock dial
GS316-5DP	2 1/2", 300 PSI, 12 o'clock dial, Drag Pointer



TGW3000DP



Utility Gauges *Plastic and Steel Cased*



**1/4" NPT • BM
2" DIAMETER BLACK
STEEL CASE**



**1/8" NPT • CBM
1 1/2" DIAMETER BLACK
PLASTIC CASE**



**1/8" NPT • CBM
1 1/2" DIAMETER
BLACK STEEL CASE**



**1/4" NPT • BM
2 1/2" DIAMETER BLACK
STEEL CASE**



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



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	
	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
	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#	Part#
Hg PSI										
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										
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

* UL LISTED + HALF SCALE

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/cm², [-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 CO₂ Gauges Black Steel Case

2" High pressure gauge with red zone for gas order alert. For use with CO₂ or other compressed gases. 1/4" NPT connection. Ⓛ Listed

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

Uniworld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniworld.com



Gauges



Liquid Filled Gauges



**2 1/2"
[63mm] Gauge
1/4 NPT
Bottom Mount**

GSL302-3

Liquid fill [glycerine] dampens the damaging effects of excessive vibration and pulsation while providing continuous lubrication of the internals; that helps prevent corrosion. Meets [A.N.S.I. B40.1] Grade B for accuracy. Normal operating temperature range is -14 °F to 140 °F

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

Gauges

Flowgauges & Medical Gauges

Uniweld flowgauges are designed for TIG or MIG welding applications. Uniweld medical gauges are designed for medical gas delivery systems in hospitals and in the home.



G51D



G55D

**[Green background
with white print]**

	Part#	UPC#	Flow Gauges
Flowgauges	G51D	54104	1 1/2" Gauges [1/8" NPT] Steel Case 40 SCFH, Argon, AR/CO ₂ MIX [75%-25%] Calibrated for 71 Dr./.026 Orifice [60 PSI Max.]
	G87D	54104	1 1/2" Gauges [1/8" NPT] Steel Case 10-40 SCFH, CO ₂ Calibrated for 71 Dr./.026 Orifice [60 PSI Max.]
	G76D	54217	2" Gauges [1/4" NPT] Brass Case 10-50 SCFH, AR/CO ₂ MIX [75%-25%] Calibrated for 67 Dr./.032 Orifice [60 PSI Max.]
	G77D	54219	2" Gauges [1/4" NPT] Brass Case 20-100 SCFH, CO ₂ Calibrated for 67 Dr./.032 Orifice [60 PSI Max.]
	G86D	54222	2" Gauges [1/4" NPT] Brass Case 10-50 SCFH, CO ₂ Calibrated for 69 Dr./.029 Orifice [60 PSI Max.]
	G76SD	54217	2" Gauges [1/4" NPT] Steel Case 10-50 SCFH, AR/CO ₂ MIX [75%-25%] Calibrated for 67 Dr./.032 Orifice [60 PSI Max.]
	G77SD	54219	2" Gauges [1/4" NPT] Steel Case 20-100 SCFH, CO ₂ Calibrated for 67 Dr./.032 Orifice [60 PSI Max.]
	G86SD	54222	2" Gauges [1/4" NPT] Steel Case 10-50 SCFH, CO ₂ Calibrated for 69 Dr./.029 Orifice [60 PSI Max.]
Medical Gauges	G55D	54106	1 1/2" Gauges [1/8" NPT] Chromed Case 15 LPM, Plated Socket, Oxy Calibr. for 73 Dr./.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./.018 Orifice [120 PSI Max.]
	G63D	54212	2" Gauges [1/8" NPT] Chromed Case, Plated Socket 4000 PSI.



Welding Gauges

Replacement Gauges



G15D



PSI Only



**PSI/Kg
Add [-1]
to Part#**



**PSI/kPa
Add [-2]
to Part#**



**PSI/Bar
Add [-3]
to Part#**

	1 1/2" GAUGES [1/8" NPT]			2" GAUGES [1/4" NPT**]			2 1/2" GAUGES [1/4" NPT**]	
Pressure Calibration	Powder Painted Steel Case B.M.		Gold Steel Case C.B.M.	Brass Case B.M.	Brass Case C.B.M. WITH WEEP HOLE	Gold Steel Case B.M.	Brass Case B.M.	Gold Steel Case B.M.
15 PSI	-	G20D [BLUE]	-	-	-	-	-	-
30 PSI [Red Line 15-30]	G15D*	G79D*	-	G2D	-	G2SD	G22D	G22SD
30 PSI	-	G80D*	-	G74D	-	G74SD	G75D	G75SD
60 PSI	-	G83D*	-	G5D	G105	G5SD	G25D	G25SD
100 PSI	G49D*	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*	-	-	-	-	-	-	-
600 PSI	-	-	-	G8D	G108	G8SD	G28D	G28SD
1000 PSI	-	-	-	G34D	-	G34SD	-	-
4000 PSI, LISTED	G56D*	G82D*	G182	G7D	-	G7SD	G27D	G27SD
6000 PSI, LISTED	-	-	-	G44D	-	G44SD	G46D	G46SD

Gauges

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

Replacement Lenses

	Part#	1 1/2" Description	Part#	2" Description	Part#	2 1/2" Description
DISPLAY CARD	PL15	Posi-Lock	PL2	Posi-Lock	PL25	Posi-Lock
BULK	05-1-52	Flat Plastic	05-2-52-4	Flat Plastic	N/A	
	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	N/A	



**GB20S
2" Gauge
Boot Set,
[2] Black**



**GB15S
1 1/2" Gauge
Boot Set,
[2] Black**

Uniweld Products, Inc.
Fort Lauderdale, FL 33312 U.S.A.
800/323-2111 www.uniweld.com



99





Aluminum Alloys

UNI-4300 Soft Solder Kit

**JOINS
ALUMINUM,
COPPER
AND
BRASS**

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. 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.



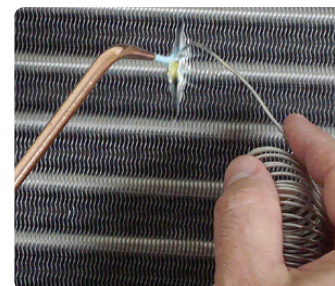
P4KD9

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 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.

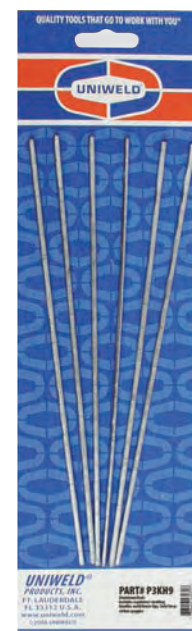


P4KD9S



UNI-4200 Self Fluxing Aluminum Rods

Used for joining and repairing aluminum extrusions and castings. Also 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



Alloys



**UNI-BRITE
1450A**

Silver Bearing Solder

UNI-BRITE-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 Designation	1/16" X 10'	Solidus Melting Point
Uni-Brite 1450A	B1KD9	430 °F [221 °C]



F4CYG

Uni-1450 Flux is a heavy duty, liquid soft soldering flux that removes oxidation from surfaces to be soldered and improves wetting characteristics of the liquid solder.

**UNI-1450 Flux
Part# F4CYG
[4 oz. Bottle]**

Uni-1000 Silver Brazing Flux
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-1000 Flux
Part# F19YJ
[7 oz. Jar]**



F19YJ



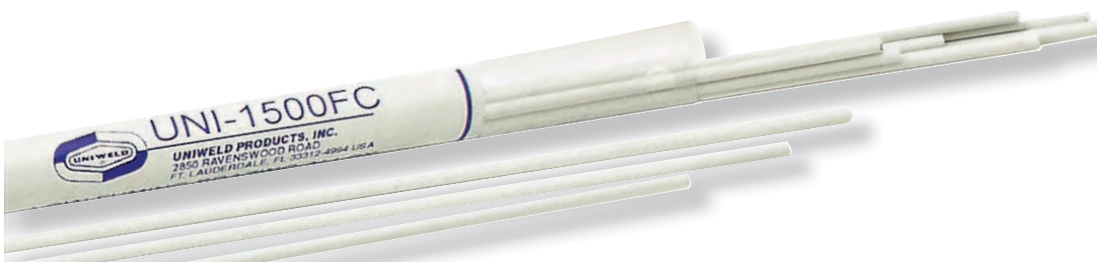
F28YF

UNI-1500FC [Flux Coated] Low Fuming Bronze Brazing Alloy

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
Part# F28YF
[3.5 oz. Jar]**

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



UNI-1500FC

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

Uniweld Products, Inc.
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Alloys

This HVAC/R Outfits, Tools and Accessories Catalog represents our complete line of products for the professional technician in air conditioning, refrigeration, plumbing, heating, automotive and maintenance industries. Since 1949, Uniweld has been dedicated to producing and marketing quality products at competitive pricing. Throughout these pages, you will find the many popular and proven "Quality Tools That Go To Work With You"® as well as several new and exclusive tools designed and developed by Uniweld in Fort Lauderdale, FL.

All new Uniweld gondola and spinner displays are shipped with eye-catching vinyl pegboard covers. Existing in-store displays of Uniweld products can easily be fitted with the new, free vinyl covers (ask your Uniweld area rep for details). Slatwall vinyl covers are now available for wall displays. Catalogs, sales literature, header signs, decals and safety posters are also available from your area rep.

Scan with
smart phone
to access
Uniweld
web site



UNIWELD PRODUCTS, INC.

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www.uniweld.com

UGA/CAT 10/11