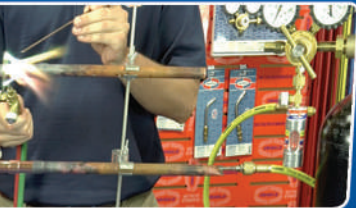
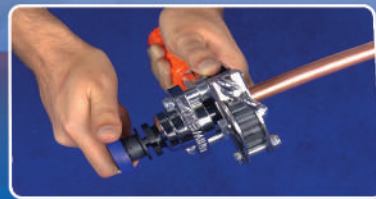


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Since 1949

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



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Modern Tubing Tools All-in-One Flux Cored Aluminum Brazing Alloy



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Soft Soldering
Aluminum to Copper Using UNI4300



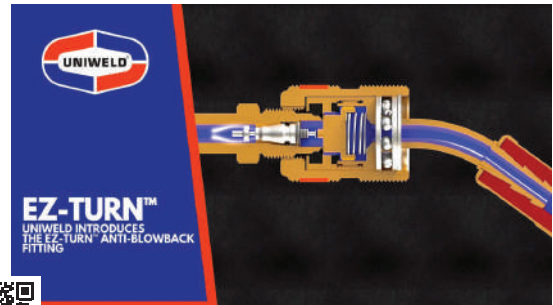
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ALUMA-BRAZE™
All-in-One Flux Cored Aluminum Brazing Alloy



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HT44 Ignite
Self-Igniting Hand Torch



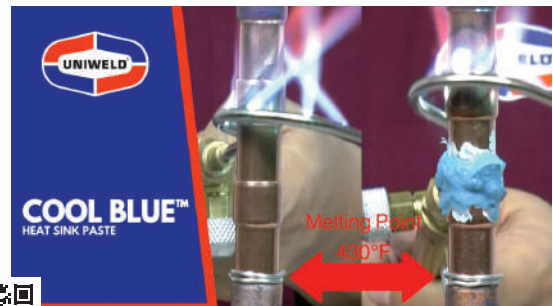
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UNIWELD EZ-TURN™
Anti-Blowback Fitting Rebuild Kit



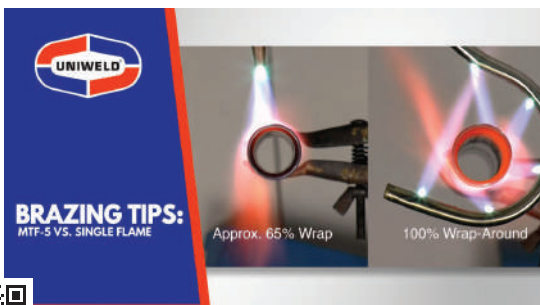
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Brazing with NV1 NitroVue™
Nitrogen Flow Indicator



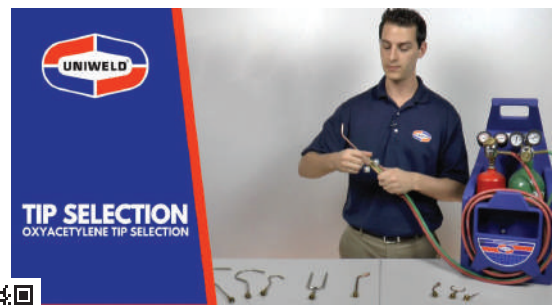
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Cool Blue™
Heat Sink Paste



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Brazing Tips
MTF-5 vs. Single Flame



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Oxyacetylene
Tip Selection



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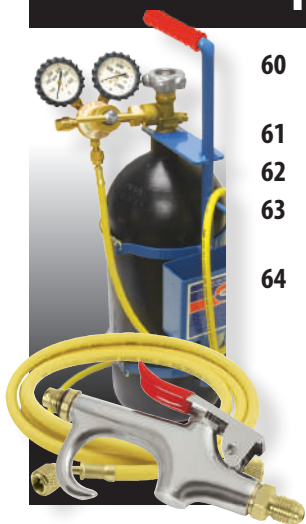
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OVER 80%
OF UNIWELD
PRODUCTS ARE
MADE IN THE
USA



Introduction to Flame Tools

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



WELDING

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

CUTTING

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



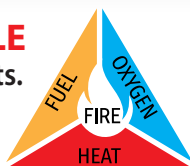
SOLDERING & BRAZING

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



FIRE TRIANGLE

Fire consists of three basic elements. 1. Fuel; 2. Oxygen; 3. Ignition. This is called the Fire Triangle.



OXYACETYLENE

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

AIR/ACETYLENE

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

AIR/LP GAS

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





It Pays to Pay Attention in the Work Place



Play it Safe®

Always use the proper size tip for the job. Never use an oversized tip and then cut the fuel and oxygen back to work on a small job. This will starve the tip of oxygen and acetylene, resulting in improper operating pressure that may cause tip damage, overheating, backfire and flashback. The following is a good example of proper procedure for lighting an oxyacetylene tip. This operating procedure is not a substitute for carefully reading the manufacturer's operating instructions.

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.

1



[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.

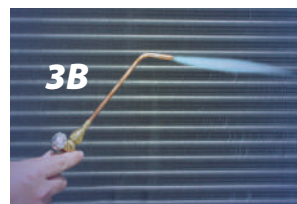
2



3A

[STEP 3] To light the tip, **open the fuel gas [acetylene] valve first** about $\frac{1}{2}$ turn and quickly ignite with a spark lighter. Adjust the flame so that it is

not separated from the tip end. The flame should be bright yellow with no black soot [3A]. If necessary, increase the fuel to clear the black soot.



3B

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



4

[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.



5

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

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Part# USP8E
English
Safety Poster



Part# USP8S
Spanish Safety Poster



Part# USP8F
French
Safety Poster



Part# USPA
Arabic Safety Poster

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Safety
Video



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Cap'n Hook® Outfits

- Cap'n Hook® 5 flame tip for brazing up to 1" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel
- Centurion® oxygen regulator with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- Protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control
- Optional: CA100 cutting attachment with three tube tip mix for top performance and safety that cuts up to 1/2" steel with supplied tip



KCHCT
Metal Stand



KCHPT
Plastic
Stand



KCHPT
Plastic Stand
Display
Package



Cap'n Hook® Tips

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



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Product
Video

	Part#	UPC#	Welding Handle	Welding/ Brazing Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Cap'n Hook® Outfits	KCH	82630	71	Type17-2 MTF-5 Cap'n Hook® Tip	R0100	RMC100	w/o	w/o
	KCHC	82631					500S	w/o
	KCHCT	82632					500S	MC/R
	KCHP	82633					511	w/o
	KCHPT	82634					511	MC/R
	KC122HP	82622		MTF-5 MTW-1 / MTT	w/o	w/o	511	w/o
	KC122L	82620					w/o	w/o

Outfits Include: H32A 12 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain . *Tanks Shipped Empty



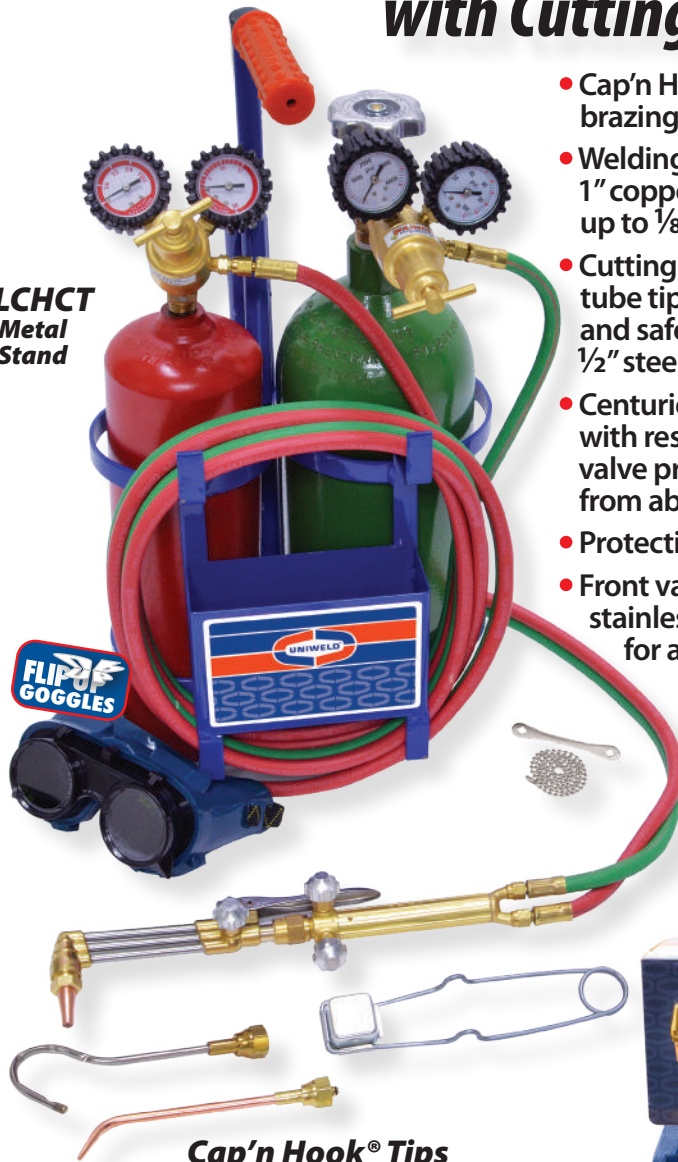
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Cap'n Hook® Outfits

with Cutting Attachment

KLCHCT
Metal
Stand



- Cap'n Hook® 5 flame tip for brazing up to 1" copper tubing
- Welding tip for brazing up to 1" copper tubing and welding up to 1/8" steel
- Cutting attachment with three tube tip mix for top performance and safety that cuts up to 1/2" steel with supplied tip
- Centurion® oxygen regulator with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- Protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valves for accurate gas control



KLCH

KLCHPT
Plastic
Stand



Cap'n Hook® Tips

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



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Video

KLCHPT
Plastic
Stand
Display
Package



	Part#	UPC#	Welding Handle	Welding Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Cap'n Hook® Outfits with Cutting Attachment	KLCH	82730							w/o	w/o
	KLCHC	82731		Type17-2					500S	w/o
	KLCHCT	82732	71	MTF-5 Cap'n Hook® Tip	CA100	CT100-0D	R0100	RMC100	500S	MC/R
	KLCHP	82733							511	w/o
	KLCHPT	82734							511	MC/R

Outfits Include: H32A 12 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain. *Tanks Shipped Empty



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Oxyacetylene



Centurion® Outfits

Oxyacetylene

- Centurion® oxygen regulator with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- Protective rubber gauge boots
- Front valve welding handle with stainless steel ball point valve for accurate gas control
- Two welding tip sizes for brazing up to 1" copper tubing and for welding up to 1/8" steel



KC100CT
Metal
Stand



KC100FC
Metal
Stand



KC100PT
Plastic
Stand

	Part#	UPC#	Welding Handle	Welding/ Brazing Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Centurion® Outfits	KC100	82600					w/o	w/o
	KC100C	82601		Type17-0			500S	w/o
	KC100CT	82602		Type17-2			500S	MC/R
	KC100P	82603	71		R0100	RMC100	511	w/o
	KC100PT	82604					511	MC/R
	KC100FC†	82609		Type17-3	R0100	RP3A	510	w/o

Outfits Include: H32A 12 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain. *Tanks Shipped Empty
† KC100FC - Outfit Includes: H32AT 12 ft. 3/16" Grade "T" Twin Hose, WG53 Goggles, FL34 Flint Lighter



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Centurion® Outfit

with Cutting Attachment

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



KLC100

- Centurion® oxygen regulators with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- 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
- Two welding tip sizes for brazing up to 1" copper tubing and welding up to 1/8" steel



KLC100CT
Metal
Stand



KLC100PT
Plastic
Stand

Oxyacetylene

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

Outfits Include: H32A 12 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

*Tanks Shipped Empty



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Patriot® Outfits

Oxyacetylene

- Patriot® oxygen regulator with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- 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 for welding up to 1/8" steel



K23C-T
Metal
Stand



K24TB
Metal
Stand



K23P-T
Plastic
Stand



K23

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

Outfits Include: H32A 12 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain. *Tanks Shipped Empty



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Patriot® Outfits

with Cutting Attachment

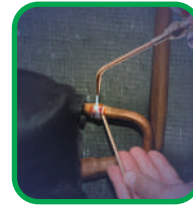
WELDING



CUTTING



BRAZING



KL71-4C-T
Metal Stand

- A favorite choice of Refrigeration and HVAC/R Service Technicians
- Patriot® oxygen regulator with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- 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 up to 1" copper tubing and welding up to 1/8" steel

KL71-5TR
Metal Stand



Oxyacetylene

	Part#	UPC#	Welding Handle	Welding/Brazing Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Patriot® Outfits	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 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

*Tanks Shipped Empty



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Master[®] Outfits

with Cutting Attachment

Oxyacetylene

WELDING



CUTTING



BRAZING



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

- Master[®] oxygen regulator with reseatable pressure relief valve prevents regulator failure from abrupt tank pressure
- Protective rubber gauge boots
- Rear valve welding handle with stainless steel ball point valves for accurate gas control
- Cutting attachment with one-piece solid copper mixer that cuts up to 1/2" steel with supplied cutting tip
- Rosebud tip for brazing up to 2 5/8" copper tubing



KL550-4P-T
Plastic Stand



KL550-TR
Metal Stand

	Part#	UPC#	Welding Handle	Welding/ Brazing Tip	Rosebud Heating Tip	Cutting Attachment	Cutting Tip	Oxygen Regulator	Acetylene Regulator	Carrying Stand	Tanks*
Master [®] Outfits	KL550-4	82200					5-101-0D	RS0	RSMC2	w/o	w/o
	KL550-4C	82201					5-101-0D	RS0	RSMC2	500S	w/o
	KL550-4C-T	82202					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					5-101-0D	RS0	RSMC2	511	MC/R
	KL550-5	82207					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	12107	504	w/o

Outfits Include: H32A 12 ft. Twin Hose, WG53 Goggles, FL34 Flint Lighter, W05 Tank Key w/chain.

*Tanks Shipped Empty



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Welding Handles



71

- WH550 Welding Handle with rear valves
- Valves have stainless steel ball point for accurate gas control
- All brass construction with ribbed handle



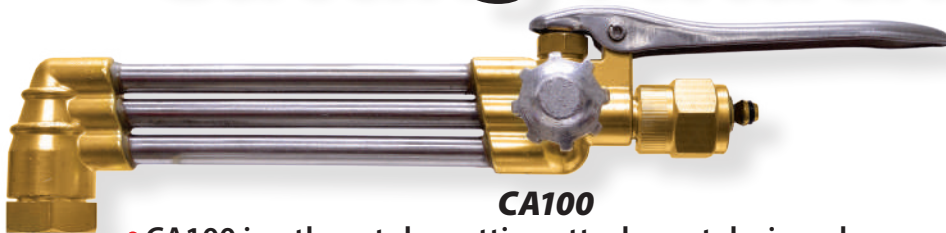
WH550

- 71 Welding Handle with front valves
- Valves have stainless steel ball point for accurate gas control
- Brass construction with ribbed handle and valves have aluminum knobs

	Part#	UPC#	Length	Weight	"A" Hose Connection
Welding Handles	71*	00300	6"	6.4 oz.	3/8"-24RH, Oxygen
	WH550*	00550	8.5"	12.6 oz.	3/8"-24LH, Fuel Gas

* UL Listed

Cutting Attachments



CA100

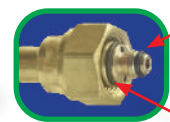
- CA100 is a three tube cutting attachment designed so that the oxygen and fuel gas mix in the cutting tip for operator safety.
- Cutting Tip Series CT100



CA550

- CA550 is a two tube cutting attachment designed so that the oxygen and fuel gas mix in the bottom tube and flow to the tip. The cutting oxygen flows through the top tube to the cutting tip.
- Cutting Tip Series 5-101

Cutting Attachments have a double O-Ring seal, so tighten the nut firmly hand tight. **DO NOT USE A WRENCH AND OVER-TIGHTEN**



X25R Small O-Ring

X26R Large O-Ring



Part# TXRK KIT includes (5) X25R & (5) X26R

	Part#	UPC#	Head Angle	Head Type	Length	Weight
Cutting Attachments	CA550*	02600	90°	Forged	8"	15 oz.
	CA100	02700			7"	10.8 oz.

* UL Listed



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Oxyacetylene



Welding/Brazing Tips



Scan for
Tip Selection
Video

Type17 welding and brazing tips come complete with elbow, mixer and nut. For use with Oxygen and the following fuel gases; Acetylene, Propane, ZAPP Gas® [Propylene] and Natural Gas.



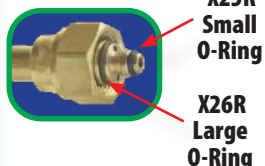
Type17-2

	Part#	UPC#	Acetylene Consumption SCFH	Acetylene Pressure PSIG	Oxygen Pressure PSIG	Welding Metal Thickness	Brazing Copper Tubing
Type17 Weld/Braze Tips	Type17-000	30250	1-2	5	5	1/32"	1/8"
	Type17-00	30251	2-3	5	5	3/64"	1/4"
	Type17-0	30252	2-4	5	5	5/64"	1/2"
	Type17-1	30253	3-6	5	5	3/32"	3/4"
	Type17-2	30254	5-10	5	5	1/8"	1"
	Type17-3	30255	8-18	6	7	3/16"	1 1/2"
	Type17-4	30256	10-25	7	10	1/4"	2"
	Type17-5	30257	15-35	8	12	1/4" to 1/2"	3"

Oxyacetylene



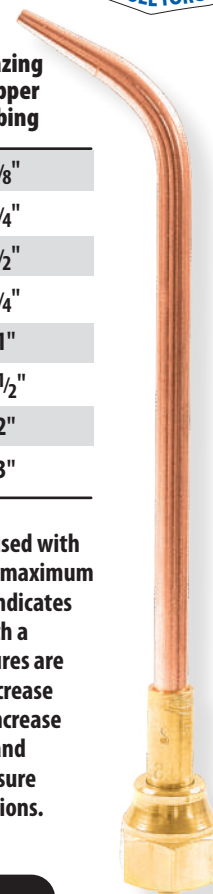
Welding & Brazing Tips have a double O-Ring seal, so tighten the tip nut firmly finger tight. **DO NOT USE A WRENCH AND OVER-TIGHTEN**



Part# TXRK KIT includes
(5) X25R & (5) X26R

NOTE: When acetylene weld/braze tips are used with other 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 ZAPP Gas®
4 Oxygen to 1 Propane / Natural gas



Cutting Tips have a metal to metal seating, so be sure to tighten the tip nut wrench tight.

Cutting Tips



	Part#	UPC#	Cutting SCFH	Oxygen PSIG	Acetylene PSIG	Cutting Tip Guide	Use With Cutting Attachment
Cutting Tips	5-101-00D	34505	30-35	20-25	5	1/4"	CA550
	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"	
	CT100-00D	38010	30-35	20-25	5	1/4"	CA100
	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 Series



CT100 Series

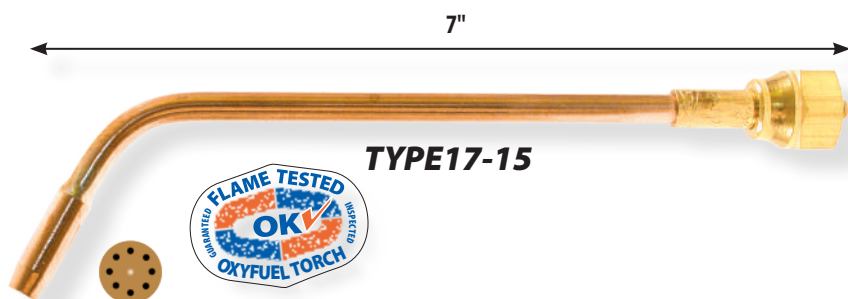
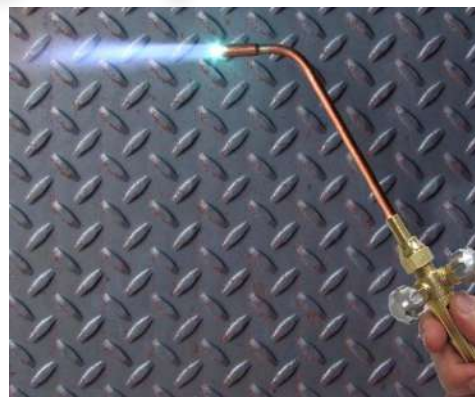


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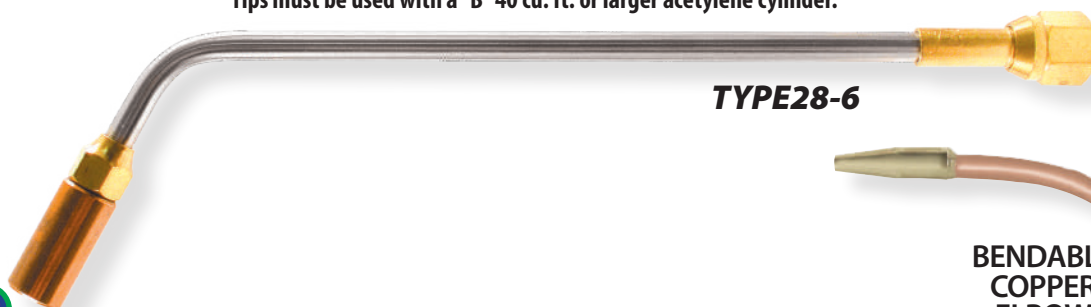
Rosebud & Heating Tips

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



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

*Tips must be used with a "B" 40 cu. ft. or larger acetylene cylinder.



TYPE28-6

**BENDABLE
COPPER
ELBOW**



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



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

TYPE13-8VM

	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene Pressure PSIG	Brazing Copper Tubing
Flexible Brazing Tip	Type17-9	31181	4	5	5	Up to 7/8"
Twin Rosebud Heating Tip	*Type13-8VM	31161	60	25	15	4" - 12"

*Tips must be used with a "B" 40 cu. ft. or larger acetylene cylinder. Fits 71 and WH550 Welding Handles. **TYPE17-9**



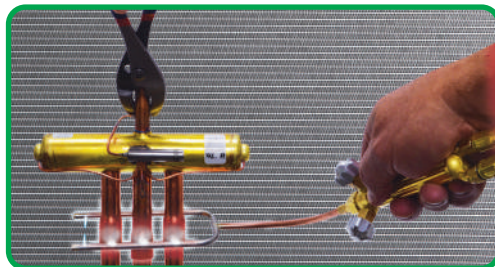
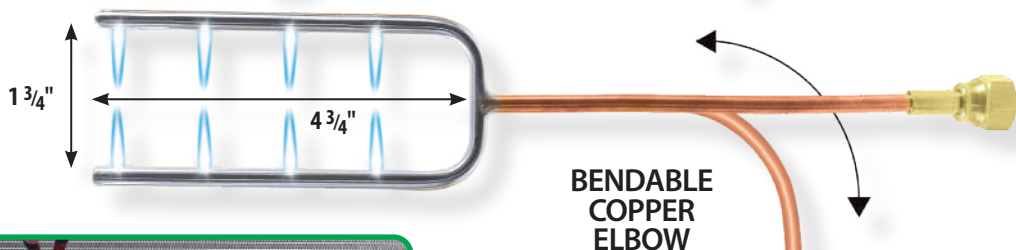
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Oxyacetylene



Tuning Fork Tip

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



TYPE17TFT

**Tuning Fork
8 Flame Tip**

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



	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene/Fuel Pressure PSIG	Overall Length	Welding Metal Thickness	Brazing Copper Tubing
Tuning Fork Tip	Type17TFT	31175	5-10	10	7	12"	N/A	7/8"

Tuning Fork Tip fits 71 and WH550 welding handles.



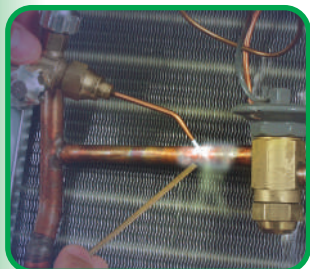
Micro Tips

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

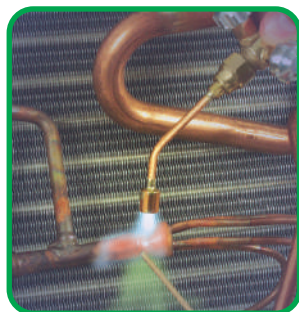
MTW-1



Pinpoint
concentrated
heat in tight
spaces



Stable
concentrated
flame even in
windy conditions



MTR



Adjustable
tip ends for
maximum
control



MTT



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

Micro 6000 tips fit 71 and WH550 welding handles.



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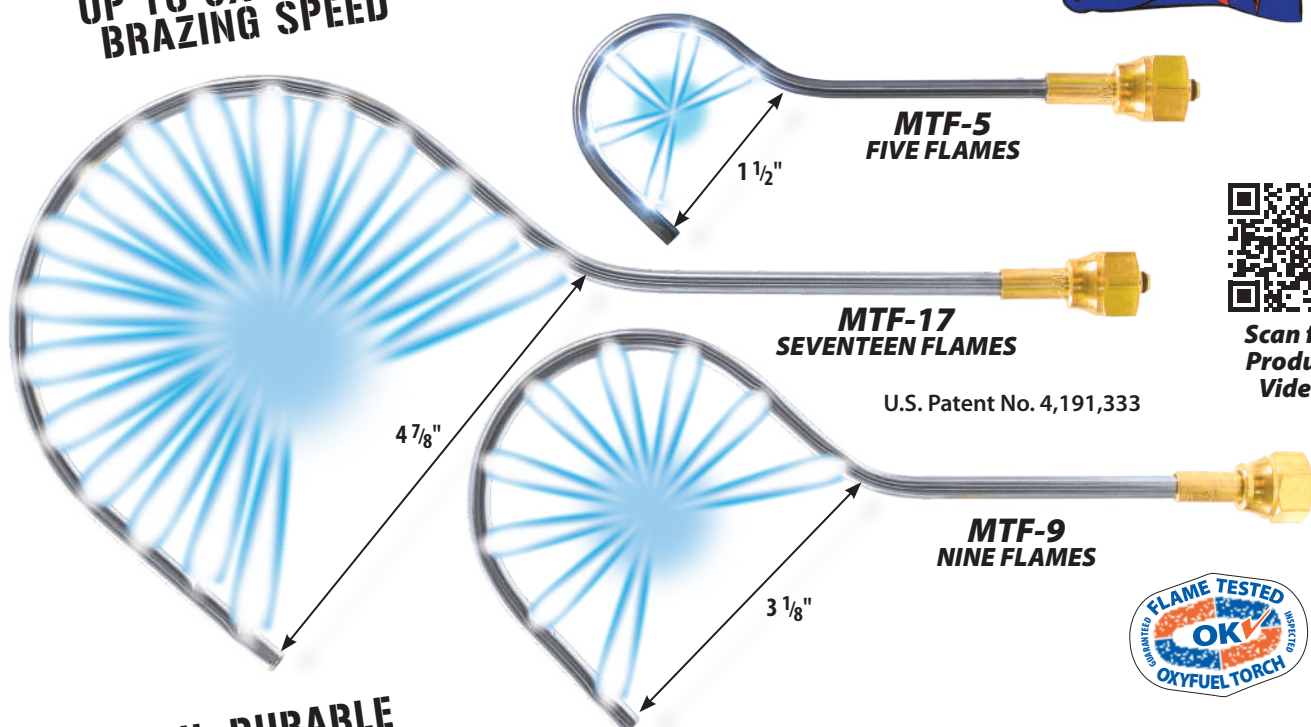


Cap'n Hook® Tips

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



**UP TO 3X FASTER
BRAZING SPEED**



Scan for
Product
Video

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

**TOUGH, DURABLE
STAINLESS STEEL
CONSTRUCTION**

40 Degree Flame Angle



	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	5 1/2"	1"
	MTF-9	30591	5-9	10	7	8 1/2"	2"
	MTF-17	30592	8-14	18	12	11"	3"

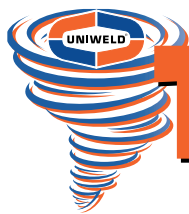
	Part#	UPC#	ZAPP GAS®/Propane Consumption LBS/HR	Oxygen Pressure PSIG	ZAPP GAS®/Propane Pressure PSIG	Overall Length	Brazing Copper Tubing (up to)
ZAPP GAS® (Propylene) Propane	MTFM-5	30595	2.6	10	5	5 1/2"	1"
	MTFM-9	30596	3.1	15	7	8 1/2"	2"
	MTFM-17	30597	5.6	20	10	11"	3"

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



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Oxyacetylene



TWISTER® TIPS

Air Acetylene Twister® Tips with swirl combustion technology uses a helical blade that creates a Twister Flame pattern that maximizes the BTU's and speeds up the heat transfer. Twister® Tips let you work with a stable, high energy efficient flame, even in windy conditions.

**STAINLESS
STEEL FLAME
TUBE**



TWISTER TARGET HEAT ZONE



**Twister
Flame Pattern**



A-32

A-14

A-11

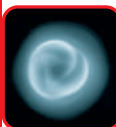
A-8

A-5

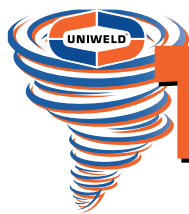
A-3

Air/Acetylene

**Quick Connect
Twister® Tips**

	Part#	UPC#	Copper Tubing Capacity Solder		Copper Tubing Capacity Braze
Quick Connect	A-3	43020	Up to 1"	 Twister Flame Pattern	Up to 1/2"
	A-5	43021	3/4" to 1 1/2"		1/4" to 3/4"
	A-8	43022	1" to 2"		1/2" to 1"
	A-11	43023	1 1/4" to 3"		7/8" to 1 5/8"
	A-14	43024	2" to 3 1/2"		1" to 2"
	A-32	43040	4" to 6"		1 1/2" to 4"





TWISTER® KITS

**Twister
Flame
Pattern**



TWISTER TARGET HEAT ZONE

**GAUGE
WITH
PROTECTIVE
RUBBER
BOOT**



X3BUC



X6MCUC



X3BU

Tank not included – sold separately

	Part#	UPC#	Regulator	Handle	Tips	Carrying Stands	Tanks*
Quick Connect	X3BU	89600	RB Acetylene Regulator	TH6 Quick Connect Handle Rear Control Valve	A-3, A-11 Twister® Tips	w/o	w/o
	X3BUC	89630	RB Acetylene Regulator		A-3, A-11 Twister® Tips	502	w/o
	X4BU	89628	RB Acetylene Regulator		A-5, A-14 Twister® Tips	w/o	w/o
	X4BUC	89634	RB Acetylene Regulator		A-5, A-14 Twister® Tips	502	w/o
	X5BU	89620	RB Acetylene Regulator		A-5 Twister® Tip	w/o	w/o
	X5BUC	89632	RB Acetylene Regulator		A-5 Twister® Tip	502	w/o
	X5MCU	89622	RMC Acetylene Regulator		A-5 Twister® Tip	w/o	w/o
	X5MCUC	89633	RMC Acetylene Regulator		A-5 Twister® Tip	512	w/o
	X6MCU	89603	RMC Acetylene Regulator		A-3, A-11 Twister® Tips	w/o	w/o
	X6MCUC	89631	RMC Acetylene Regulator		A-3, A-11 Twister® Tips	512	w/o
	X8BU	89629	RB Acetylene Regulator		A-8 Twister® Tip	w/o	w/o

Regulators fitted with protective rubber gauge boot. Kits include H12, 12 ft. Acetylene Hose, W05 Tank Key w/chain.



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Air/Acetylene

TWISTER[®] **IGNITE KITS**

Twister[®] Ignite Kits feature self igniting swirl combustion technology that produces a high energy efficient flame. The Air Acetylene flame remains stable, even in windy conditions. Twister[®] Ignite Tips are self-igniting and "quick connects" to the ergonomically designed handle.



KT2A8XMCC

**GAUGE
WITH
PROTECTIVE
RUBBER
BOOT**



KT2A5

KT2A8XC



Tank not included – sold separately

Tank not included – sold separately

	Part#	UPC#	Regulator	Handle	Tips	Carrying Stands	Tanks*
Quick Connect	KT2A5	89650	RB Acetylene Regulator	TH6 Quick Connect Handle with Rear Control Valve	T2A-5 Twister[®] Tip	w/o	w/o
	KT2A5MC	89652	RMC Acetylene Regulator			w/o	w/o
	KT2A8	89656	RB Acetylene Regulator		T2A-8	w/o	w/o
	KT2A8MC	89657	RMC Acetylene Regulator			w/o	w/o
	KT2A8X	89658	RB Acetylene Regulator		T2A-8 A-5	w/o	w/o
	KT2A8XC	89661	RB Acetylene Regulator			502	w/o
	KT2A8XMC	89659	RMC Acetylene Regulator			w/o	w/o
	KT2A8XMCC	89662	RMC Acetylene Regulator			512	w/o

Regulators fitted with protective rubber gauge boot. Kits include H12, 12 ft. Acetylene Hose, W05 Tank Key w/chain.

TWISTER[®] **IGNITE TIPS**



	Part#	UPC#	Copper Tubing Capacity	
			Solder	Braze
Quick Connect	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	43063	1 1/4" to 4"	7/8" to 2"



T2A-3

T2A-5

T2A-8

T2A-12



Soft Flame Kits



K37

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



K40

	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

Kits Include H12, 12 ft. Acetylene Hose, W05 Tank Key w/chain. Regulators fitted with protective rubber gauge boots.

Soft Flame Tips



S27



	Part#	UPC#	Copper Tubing Capacity Solder
Screw Connect	S21	43141	1/16" to 1/8"
	S22	43142	1/8" to 3/8"
	S23	43143	3/16" to 1/2"
	S24	43144	1/2" to 1"
	S25	43145	3/4" to 1 1/2"
	S26	43146	1" to 4"
	S27	43147	1/8" to 3/8"



S21

S22

S23

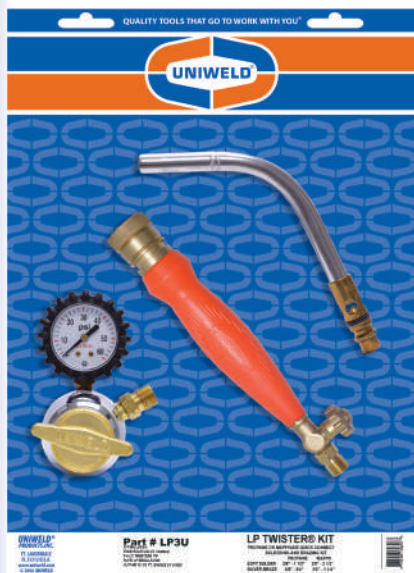
S25



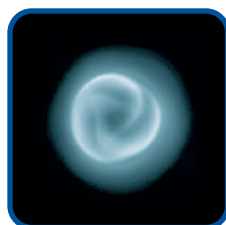


LP Twister® Kits

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 windy conditions. The helical blade inside this tip efficiently premixes the fuel gas and air to deliver maximum combustion and fast heat transfer. Use these tips with Propane or ZAPP GAS® (Propylene).



LP3U



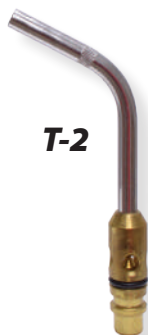
**Twister
Flame Pattern**



TWISTER TARGET HEAT ZONE

	Part#	UPC#	Regulator	Tips	Handle
LP Twister Kit	LP3U	89606	RLPB L.P. Regulator CGA510	T-4 Quick Connect	TH6B Rear Control Valve

Kit includes HLP14B, 12 ft. L.P. Gas Hose.
Regulator with protective rubber gauge boot.



T-2



T-3



T-4



T-5

		Copper Tubing Capacity				
		Propane Gas		ZAPP GAS®		
	Part#	UPC#	Solder	Brze	Solder	Brze
Quick Connect	T-2	43030	1/8" to 1/4"	1/8" to 1/4"	1/8" to 1/2"	1/8" to 1/4"
	T-3	43031	1/4" to 1"	1/8" to 1/2"	1/4" to 1 1/2"	1/4" to 1/2"
	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"
	T-5	43033	1 1/2" to 2 1/2"	1/2" to 1 1/4"	1" to 4"	1/2" to 2"



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Heat Shrink Kits/Tips



KCA110

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 ZAPP GAS® (Propylene) without having to change the orifice.



ST06MP

ST07MP

	Part#	UPC#	Regulator	Tips	Handle	*Hose	Size
Heat Shrink Kits	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 26]. Disposable cylinder is not included in kits and is sold separately.

	Part#	UPC#	Description
Heat Shrink Tips Screw Connect	ST06MP	43175	Propane / ZAPP GAS® 9" elbow with a 1" O.D. Flame Shield
	ST07MP	43177	Propane / ZAPP GAS® 9" elbow with a 1½" O.D. Flame Shield
	ST07RSM	43178	Propane / ZAPP GAS® 7" elbow with a 1½" O.D. Flame Shield

Unitorch® Regulators for Disposable Cylinders

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



RP3A

RP3B

RP3E

RPO3HN

	Part#	UPC#	CGA Inlet	Description
Unitorch® Regulators	RP3A	43000	600	Unitorch® Regulator with "A" outlet fitting
	RP3B	43001	600	Unitorch® Regulator with "B" outlet fitting
	RP3E	43002	600	Unitorch® Regulator with 360° swivel elbow for use with UT2, UT3, UT5 and UT6 replacement tips
	RP03A	43003	601	Unitorch® Oxygen Regulator with "A" outlet fitting
	RP03B	43009	601	Unitorch® Oxygen Regulator with "B" outlet fitting
	RP03HN	43045	601	Unitorch® Oxygen Regulator with ¼" barbed hose nipple

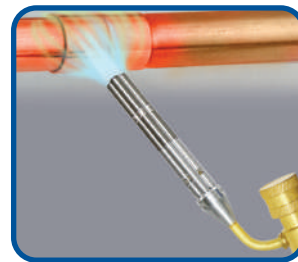
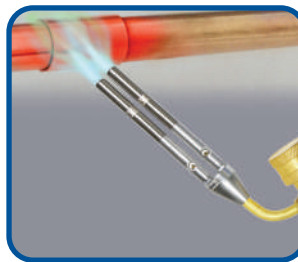


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Air/LP

TWISTER[®] **HAND TORCHES**

Uniweld Hand Torches are the right choice for small jobs in tight areas with limited access. These lightweight, portable flametools can be operated with Propane or ZAPP GAS[®].



PCV25 **Pencil Flame** **Hand Torch**

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

RP3T5 **Hand Torch**

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

DOUBLE THE POWER
DOUBLE THE HEAT

RP3T2 **Hand Torch**

UT2 Double Twister[®] Tip

TRIPLE THE POWER
TRIPLE THE HEAT

RP3T3 **Hand Torch**

UT3 Triple Twister[®] Tip



Air/LP

	Part#	UPC#	Tubing Capacity			
			Propane	Braze	ZAPP GAS [®]	Braze
Hand Torches	PCV25	43210	Solder	Up to 7/8"	Up to 1"	Up to 5/8"
	RP3T2	43007	Solder	Up to 3 1/2"	Up to 4"	Up to 3"
	RP3T3	43008	Solder	Up to 4"	Up to 6"	Up to 4"
	RP3T5	43005	Solder	Up to 3"	Up to 4"	Up to 1 3/4"
	MKT-4L	89501	Solder	Up to 3"	Up to 4"	Up to 1 3/4"

MKT-4L includes RP3T5 Hand Torch with (1) ZAPP GAS[®] disposable cylinder. Shipped in display box [6] per case.

MKT-4L



TWISTER[®] HANDTORCHES



Uniweld Self Igniting Hand Torches eliminate the need for a flint lighter. Lightweight and portable, these flame tools can be operated with Propane or ZAPP GAS.[®]

Trigger Lock with Instant Safety Release
Full-size comfort grip



Tip Swivels 360°

PROANE 1750 °F [954 °C]
ZAPP GAS[®] 2400 °F [1316 °C]

TWISTER TARGET HEAT ZONE

Pull down on bullet casing to activate spark igniter



Scan for Product Video

Air/LP



Tip Swivels 360°

HT44 Twister[®] Ignite Hand Torch

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

RP3T6 Silver Bullet[®] Hand Torch

Stainless Steel and Aluminum construction

Operates in any position, even upside down



Tubing Capacity

	Part#	UPC#	Propane		ZAPP GAS [®]	
			Solder	Braze	Solder	Braze
Hand Torches	RP3T6	43006	Up to 3"	Up to 1"	Up to 4"	Up to 1 3/4"
	HT44	43216	Up to 3"	Up to 1"	Up to 4"	Up to 1 3/4"

Disposable cylinders not included and are sold separately.



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Torch Handles

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

QUICK CONNECT HANDLE



TH6

SCREW CONNECT HANDLES



TH3



TH9

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

	Part#	UPC#	
Screw Connect	TH3	43100	Rear Valve
	TH9	43113	Front Valve
Quick Connect	TH6	43107	Rear Valve

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

	Part#	UPC#	
Screw Connect	TH3B	43101	Rear Valve
	TH9B	43114	Front Valve
Quick Connect	TH6B	43108	Rear Valve

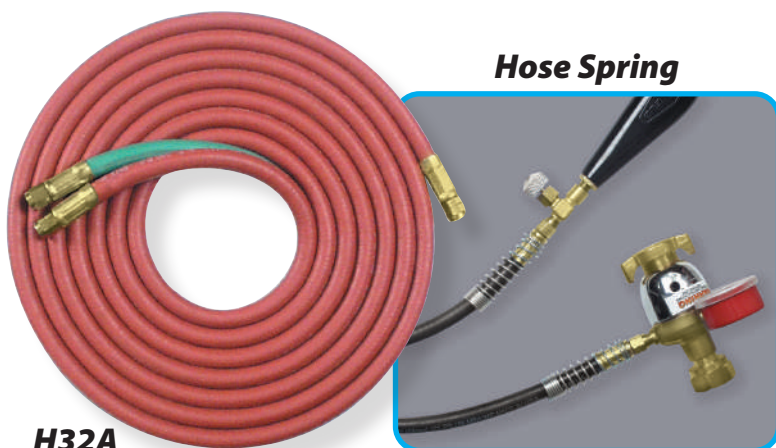




Hoses

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

Reference Information: "A" = 3/8" - 24 "B" = 9/16" - 18



H32A

Hose Spring



H12

HLP14B

Hose Spring (Part#SHLP) may be added to Acetylene or LP gas hoses by adding an (S) for one spring or (SS) for two springs (one @ each end) to the hose Part#.

Example: H12S, H12SS, HLP14BS, HLP14BSS

Acetylene Single Hose

3/16" I.D., Max. W.P. 200 psi

	Part#	UPC#	Length	Connection
Acetylene Single Hose	H11	43500	6 ft.	"A"
	H11B	43501	6 ft.	"B"
	H12	43502	12 ft.	"A"
	H12B	43503	12 ft.	"B"
	H13	43504	25 ft.	"A"
	H13B	43505	25 ft.	"B"

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

LP Gas Single Hose

3/16" I.D., Max. W.P. 125 psi

	Part#	UPC#	Length	Connection
LP Gas Single Hose	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 ft.	"A"
	HLP14B	43542	12 ft.	"B"

Oxyacetylene Twin Hose

3/16" I.D., Max. W.P. 200 psi

	Part#	UPC#	Length	Connection
Oxyacet. Twin Hose	H32A	43510	12 ft.	"A"
	H32B	43512	12 ft.	"B"
	H32AB	43511	12 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

Oxy/LP Gas Grade "T" Twin Hose

3/16" I.D., Max. W.P. 200 psi

	Part#	UPC#	Length	Connection
Oxy/LP Grade "T" Twin Hose	H32AT	43560	12 ft.	"A"
	H32BT	43561	12 ft.	"B"
	H32ABT	43562	12 ft.	"AB*"

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



H32AT



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Regulators

Patriot Series Regulators feature protective rubber gauge boots, rear inlet service with optional CGA cylinder connections. Specially compounded diaphragm and seat material provide accuracy and reliability. Patriot oxygen regulators have been upgraded with a reseatable pressure relief valve (Part# R96RK) designed to prevent regulator failure from abrupt tank pressure.

GAUGES WITH PROTECTIVE RUBBER BOOTS



Reseatable Pressure Relief Valve (Part #R96RK)

Patriot RO

	Part#	UPC#	CGA Inlet	Outlet Connection	1 1/2" Delivery/Contents	Delivery PSI
Oxygen	RO	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
	RMC2B	12019	200	"B" 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
	RB2B	12020	520	"B" 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 Fuel Valve Adapter

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

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



FV600

The Uniweld 71 welding handle & Type17 Weld/Braze tips will work properly using either of the fuel gases combined with Oxygen. The CA550 cutting attachment will also work with either fuel gas. However, the cutting tip is fuel specific and must be changed (see page 13). Also, the Cap'n Hook® tips are fuel specific. (see page 16). It is recommended to use grade "T" hose (H32AT) with ZAPP GAS® or Propane fuel gas. If using grade "R" hose (H32A) with ZAPP GAS® 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 Propane or ZAPP GAS® versus Acetylene and an increase in oxygen consumption.

Fuel	Temp °F	Ratio Oxy/Fuel
Acetylene	5589 °F	1-1
ZAPP GAS®	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



R0100

Centurion®

Centurion® Series Regulators feature a rugged brass body and gauges with protective rubber gauge boots. Centurion® oxygen regulators with reseatable pressure relief valve built into the diaphragm is designed to prevent regulator failure from abrupt tank pressure.

(Part# R0123A Pressure Adjusting "T" Handle)

**GAUGES
WITH
PROTECTIVE
RUBBER
BOOTS**



RSO

Mastar®

UniWeld's top-of-the-line, Mastar® Series Regulators feature a heavy duty rugged brass body, 3" pressure adjusting "T" handle and gauges with protective rubber boots. Mastar® oxygen regulators with reseatable pressure relief valve (Part# R96RK), designed to prevent regulator failure from abrupt tank pressure.

		Part#	UPC#	CGA Inlet	Outlet Connection	Delivery 1½" Gauges/Contents	Delivery PSI
Centurion®	Oxygen	R0100	14100	540	"A" RH	[G49D] 100/4000 [G56D]	2-60
	Acetylene	RMC100	14102	200	"A" LH	[G15D] 30/Contents [G19D]	2-15
Mastar®	Oxygen	RSO	12100	540	"A" RH	[G49D] 100/4000 [G56D]	2-60
		RSOB	12101	540	"B" RH	[G49D] 100/4000 [G56D]	2-60
		12106	12106	540	"A" RH	[psi/kg] [G85-1D] 100/4000 [G82-1D]	2-60
	Acetylene	RSMC2	12102	200	"A" LH	[G15D] 30/Contents [G19D]	2-15
		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

	Oxygen	Acetylene
G49D	100 psi, Steel Case	G15D 30 psi, Steel Case, Red Line 15-30 psi
G56D	4000 psi, Steel Case	G19D 1/4, 1/2, 3/4, Full [Contents] Steel Case, [400 psi Max]

GB15S Protective Rubber Boot for all 1½" Gauges [Pkg. of 2]



G49D




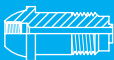


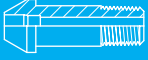


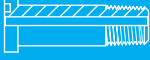

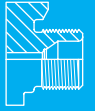






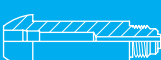





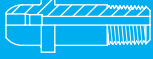




G19D



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CGA Cylinder Valve Connections

"MC" Tank	Part#	Description	Acetylene	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	Acetylene	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							
"POL" Tank	Part#	Description	Carbon Dioxide	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							
	"B" Tank	Part#		Description		Air	CGA350	  
8859		Nut	.830" - 14 NGO-L.H.					
8812-2		Nipple	1/4" - 18 NPT, 2 1/2" Long					
Used on: RV, RVT, RHT, RUH, R1800 Regulators								
"MC" Tank		Part#	Description	Hydrogen	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		Acetylene and Fuel Gas	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								
"MC" Tank	Part#	Description	Oxygen Only	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]							
"MC" Tank	Part#	Description	Argon Helium Nitrogen	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				Source: Compressed Gas Assoc., Std. V-1, 1994				

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



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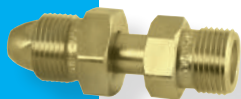




Adapters

Cylinder to Regulator Adapters

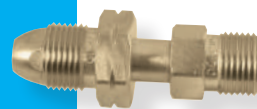
Part# F10X
UPC# 43300
CGA580 to
CGA540



Part# F22X
UPC# 43303
CGA540 to
CGA580



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



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



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



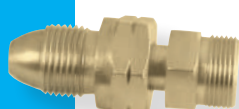
Part# F31
UPC# 43307
CGA520 "B" to
CGA200 "MC"



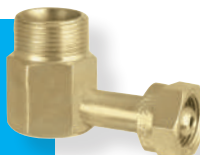
Part# F33
UPC# 43309
CGA520 "B" 90°
to CGA510 "POL"



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



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



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



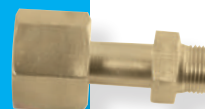
Part# F36
UPC# 43319
CGA320 "CO2"
to CGA580



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



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



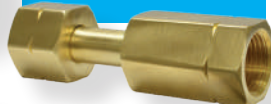
Part# F50
UPC# 43315
CGA520 "B" 90°
to CGA520 "B"



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



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



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



HOSE NIPPLE

Hose Fittings



HOSE NUT



HOSE SPLICE [Push Type]

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

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

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

"A" to "B"
Outlet Adapter



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

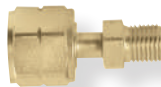
"A" to "B"
Outlet Adapter



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

"B" to "A"

Outlet Adapter



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

Adapters and Connectors

"A" to "B" Welding Handle Adapter
Handle to Hose

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



Hose Coupling

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



Part#	UPC#	Inlet	to	Outlet
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"Y" Connectors w/Valves

FY10XV	43336	"B" RH	"B" Hose Nut RH
FY11XV	43337	"B" LH	"B" Hose Nut LH

"B" Size "Y" Connectors

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



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Cylinders & Tanks



	Part#	UPC#	Capacity cu. ft.	O.D. Inches	Height 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
*ZAPP GAS®	ZDC	40069	14.1 oz.	3.00	11.00	2.00	600
	ZDC24	40123	(24) ZDC ZAPP Gas®				
*Propane	PDC	40031	14.1 oz.	3.00	11.00	1.75	60
	PDC24	40106	(24) PDC Propane				
Combo	ZDC12PDC12	40122	(12) ZDC ZAPP Gas® + (12) PDC Propane				

*Sold in case lot quantity only - 12 per case and 24 per case. Disposable Propane and ZAPP GAS® cylinders are shipped full and meet DOT-39 NRC specifications. All Acetylene, Oxygen and Nitrogen tanks are shipped empty.

Cylinder Contents Test Gauge



TGCMC

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

Reading of Contents:

- Oxygen Pressure 1800-2200 PSI
- Acetylene Contents 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 Carrying Stands and Cylinder Trucks provides convenience, portability and organization. All blue enameled steel models feature fitted hand grips and hose holders. The center-balanced blue plastic tote has storage space for cylinders, hoses and accessories.



Carrying Stands 510 and 512 U.S. Patent No. 4,294,481

Carrying Stands	Part#	Description
Metal	500S	Carrying stand for [1] "MC" tank and [1] "R-Oxy" tank with utility tray & brazing rod holder
	502	Carrying stand for [1] "B" tank with utility tray and Air/Fuel handle holder
	503	Carrying stand with wheels for [1] "B" tank and [1] "R" Oxygen tank
	504	Carrying stand with wheels for [1] "MC" or "B" tank & [1] "R" or "R40" Oxygen tank
	510	Carrying stand with utility tray for [1] "MC" tank and [1] "R" Oxygen tank or [2] disposable fuel cylinders
Plastic	511	Molded blue plastic carrying stand for [1] "MC" tank or [1] disposable fuel cylinder and [1] "R" Oxygen tank
Metal	512	Carrying stand for [2] disposable fuel cylinders or [1] "MC" tank with utility tray and Air/Fuel handle holder
	515	Nitrogen carrying stand for [1] 20 cu. ft. Nitrogen tank
	516	Nitrogen carrying stand for [1] 40 cu. ft. Nitrogen tank
	517	Nitrogen carrying stand with wheels for [1] 60 cu. ft. tank

Parts & Accessories



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Accessories

Complete selection of combination wrenches for hose fittings and regulator connections.

Never lose your tank key again!
Use security chain to attach
tank key to regulator.



W05

W94



W10X

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

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



3/16" Cutout
for T-Style
Valve

WG53

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



Scan for
Product
Video

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

	Part#	UPC#	Description
Tip Cleaners	TCSD	26060	Standard sizes 75-49
	TCMD	26064	Master sizes 75-30
	TCLD	26063	Xtra Long sizes 75-49



EXCLUSIVE
LOCK-IN-KNOT
ON SMALL
WIRES

Part#s with D denote hanging display packaging





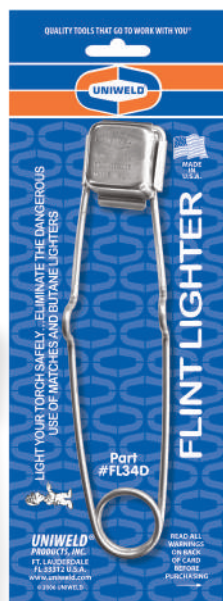
Accessories

The UniWeld flint lighters and flint renewals are made in the U.S.A.



FL34

**MADE
IN THE
USA**



FL34D



FL3437



FL3437TC



FL35



FL36



FL37



Use UniWeld Flint Lighters to ignite your flame torches. Optional single or triple flint lighters and renewals to choose from.



	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 flint lighter
	FL37	43405	5 Flint renewals for FL34 flint lighter



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Accessories

Regulator Flashback Arrestors



RFAA

Welding Handle Flashback Arrestors



TFAA



Flashback Arrestors

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 welding handles and regulators.



TFAB



RFAB

3/8" - 24 "A" Fitting

9/16" - 18 "B" Fitting*

Flashback Arrestors	Regulator		Welding Handle		Regulator		Welding Handle	
	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

Non filtered flashback arrestors are available for welding handles and regulators. Flashback arrestors installed at the torch help protect the technician and at the regulator, help protect the equipment. *UL Listed

Check Valves

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].



RCVB

Check Valves 9/16" - 18 "B" Fittings*	Regulator		Welding Handle	
	Part#	UPC#	Part#	UPC#
Set of [2] on card [1] Oxy & [1] Fuel	RCVB	10200	TCVB	04050

Check valves should be tested regularly for leakage and flow. Check valves on regulators give best service life. *UL Listed



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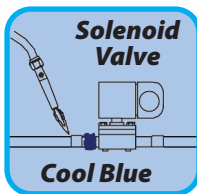
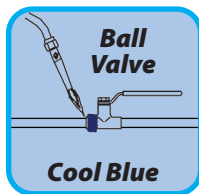
Accessories



Scan for
Product
Video

Cool Blue Heat Sink Paste

Cool Blue™ Heat Sink Paste protects the rubber and plastic seals in ball valves, solenoid valves, reversing valves and heat sensitive materials. To prevent overheating, a heat transfer cool indicator has been added. As the paste absorbs heat, it changes to a dark blue. Safe to use, non-toxic, harmless to skin and odorless. Easy to clean: wipe with cloth or wash with water.



91861



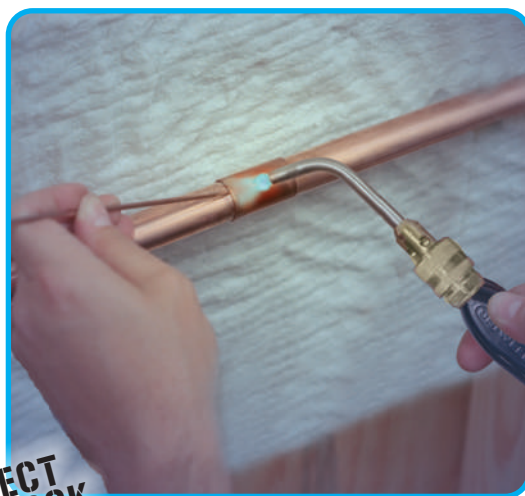
	Part#	UPC#	Description
Cool Blue	91861	91861	Cool Blue™ Heat Sink Paste [Shipped in units of 12 only]

Flame Barrier

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



Scan for
Product
Video



PROTECT
SHEETROCK,
INSULATION,
WOOD, WIRING
AND PAINT



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



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Vacuum Pumps

HUMM•VAC

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



Pump Specifications

	HVP6	HVP8	HVP12
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
Intake Fittings	1/4", 3/8" and 1/2" Male Flare	1/4", 3/8" and 1/2" Male Flare	1/4", 3/8" and 1/2" Male Flare
CE Motor with Thermal Overload Protection	1/2 HP	3/4 HP	1 HP
Voltage	110V – 50Hz 6.0 Amps/60Hz 5.5 Amps 220V – 50Hz 3.0 Amps/60Hz 2.8 Amps	110V – 50Hz 7.0 Amps/60Hz 6.7 Amps 220V – 50Hz 3.5 Amps/60Hz 3.3 Amps	110V – 50Hz 7.4 Amps/60Hz 7.6 Amps 220V – 50Hz 3.6 Amps/60Hz 3.8 Amps
Oil Capacity	27.1 oz. (800 ml)	25 oz. (740 ml)	33.8 oz. (1000 ml)
Power Cord U.S.–Type B Plug	72" (1.83m)	72" (1.83m)	72" (1.83m)
Dimensions	13.65" x 6.82" x 10.30" 34.66 cm x 17.32 cm x 26.15 cm	13.65" x 6.82" x 10.30" 34.66 cm x 17.32 cm x 26.15 cm	16.99" x 6.82" x 10.86" 43.15 cm x 17.32 cm x 27.58 cm
Weight	26.7 Lbs. (12.1 kg)	30.2 Lbs. (13.7 kg)	38.6 Lbs. (15.88 kg)
Shipping Weight	29.3 Lbs. (13.3 kg)	32.8 Lbs. (14.9 kg)	41.7 Lbs. (18.9 kg)
Color	Yellow	Red	Black





Vacuum Pumps

UniWeld's high-performance U5VP2 Vacuum Pump has been designed and engineered to provide you with reliable service and the latest in vacuum pump technology. The U5VP2 (5.5CFM) pump is built for deep vacuum service on automotive, residential and commercial A/C systems using CFC, HCFC, and HFC refrigerants in conjunction with mineral oil, ester oil, alkybenzene oil and PAG oil as lubricants.



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]			Weight Lbs.[Kg]	
										L	W	H	Net	Ship
U5VP2	5.5	155	2	15	1/4" and 3/8" Male Flare	1/2	110V/220V 50/60Hz	U.S. -Type B	11.1 Oz. [350 ml]	12.5 [32.5]	4 [10]	9.5 [24]	20.0 [9.1]	22.2 [10.8]

Ductless Mini-Split 1.5 CFM Vacuum Pump

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



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]			Weight Lbs.[Kg]	
										L	W	H	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 [26.0]	3.4 [9.0]	6.4 [16.5]	10.0 [4.5]	14 [6.3]
UVP1.5-220	1.43	40.5	2	38	1/4" Male Flare and 1/2" Acme	1/4	220V 50/60Hz	U.S. -Type B	4.7 Oz. [140 ml]	10.23 [26.0]	3.4 [9.0]	6.4 [16.5]	10.0 [4.5]	14 [6.3]

Premium UniWeld Vacuum Pump Oil

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



Part#	Description	Part#	Description
42005	1 Quart (946ml) (12 Per Case)	42006	1 Gallon (3.78 L) (6 Per Case)



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MaxEvac™

Pro Kit

The MaxEvac™ Kit MAXIMIZES your vacuum efficiency for faster evacuations. The large 1/2" diameter dedicated evacuation hoses MAXIMIZE the suction capacity of the vacuum pump. Smaller diameter hoses restrict flow and limit the vacuum pump from achieving its full suction capacity. The Y adapter provides a dual hose connection to any vacuum pump and the 20 micron rated valve core tools remove the restrictive high and low side valve cores to significantly increase flow. The metal hose protector keeps your hoses sealed and protects them from dirt and debris.



VACUUM
RATED TO
20
MICRONS



UniWeld UVG2 Digital Vacuum Gauge (sold separately) easily connects to the side port on the core tool for an accurate vacuum measurement

MAXEVAC™ Y ADAPTER PROVIDES A DUAL HOSE CONNECTION TO ANY VACUUM PUMP FOR MAXIMUM VACUUM EFFICIENCY



Remove restrictions and increase flow!
MAXIMIZE Efficiency



PART# MEPK14

MaxEvac™ Pro Evacuation Kit Includes:

- (2) Black 6 ft. 1/2" MaxEvac™ Hose
- 3/8" x 1/4" Fittings
- (2) 1/4" Valve Core Removal Tools with 1/4" Side Port
- (2) Metal Hose Protectors 3/8" x 1/4"
- (1) Y Adapter 3/8" FF x (2) 3/8" MF
- (1) MaxEvac Durable Storage Bag





Basic Kit

METAL HOSE
PROTECTOR
KEEPS HOSE
SEALED AND
PROTECTS FROM
DIRT AND DEBRIS

**1 included
with each
MaxEvac Hose**
PART# MEHP



3/8"

1/4"



6 ft. LARGE 1/2"
DEDICATED
EVACUATION
HOSE WITH
3/8" x 1/4"
FITTINGS

MAGNET

VACUUM
RATED TO
20
MICRONS



The MaxEvac™ Kit MAXIMIZES your vacuum efficiency for faster evacuations. The large 1/2" diameter dedicated evacuation hose MAXIMIZES the suction capacity of the vacuum pump. Smaller diameter hoses restrict flow and limit the vacuum pump from achieving its full suction capacity.

The Y adapter (sold separately) provides a dual hose connection to any vacuum pump and the 20 micron rated valve core tool removes the restrictive high and low side valve cores to significantly increase flow. The metal hose protector keeps your hose sealed and protects it from dirt and debris.

PART# ACCESSORIES SOLD SEPARATELY

MECT14	1/4" VALVE CORE REMOVAL TOOL WITH 1/4" SIDE PORT FITTING
MECT516	R-410A MINI SPLIT 5/16" VALVE CORE REMOVAL TOOL WITH 1/4" SIDE PORT FITTING
MEXR	VALVE CORE EXTRACTOR ROD ASSEMBLY
MEH5	5 ft. (152cm) 1/2" MAXEVAC™ HOSE, 3/8" STR. X 1/4" STR., BLACK WITH MEHP HOSE PROTECTOR
MEH6	6 ft. (182cm) 1/2" MAXEVAC™ HOSE, 3/8" STR. X 1/4" STR., BLACK WITH MEHP HOSE PROTECTOR
UYA14	MAXEVAC™ Y ADAPTER 1/4" FF X (2) 3/8" MF
UYA38	MAXEVAC™ Y ADAPTER 3/8" FF X (2) 3/8" MF
UYA12	MAXEVAC™ Y ADAPTER 1/2" FF X (2) 3/8" MF
MEHP	MAXEVAC™ METAL HOSE PROTECTOR 3/8" MF X 1/4" MF
MEBK14	MAXEVAC™ BASIC EVACUATION KIT 1/4"
MEPK14	MAXEVAC™ PRO EVACUATION KIT 1/4"

PART# MEBK14

MaxEvac™ Basic Evacuation Kit
Includes:

- (1) Black 6 ft. 1/2" MaxEvac™ Hose 3/8" x 1/4" Fittings
- (1) 1/4" Valve Core Removal Tool with 1/4" Side Port
- (1) Metal Hose Protector 3/8" x 1/4"



Remove restrictions and increase flow!
MAXIMIZE Efficiency

UNIWELD SMARTeCH[®]

DIGITAL VACUUM GAUGE

**Work smarter with
Uniweld's SmartTech[®] Digital Vacuum Gauge...**
Unexpectedly More!

- Range: 0-19,000 Microns, 2533.13 Pa, 25.3 mBar, 19 mmHg
- Resolution: 1 Micron (0-400), 10 Micron (400-3000), 100 Micron (3000-10000), 250 Micron (10000-19000)
- Temperature Compensated Self-Calibration
- Accuracy: +/- 10% or +/- 10 Micron
- Select from 8 different vacuum units: micron, inHg, Torr, psia, mbar, mTorr, Pa, kPa



- Operating Temperature: 0 °F to 140 °F / -17.8 °C to 60 °C
- Large, High-Visibility Backlit LCD Display
- Battery Life: Up to 300 Hours
- Battery Level Indicator
- Sensor Withstands Overpressure Up to 400 PSI
- Oil Filter Disk Prevents Sensor Contamination. Keeps your sensor clean and accurate!
- IP65 Rated Water Resistant Rubberized Housing
- Requires (3) AA Batteries – Not Included

SMARTeCH[®] DIGITAL REFRIGERANT SCALE



**Durable Storage Bag
With Shoulder Strap**



**Base Stores and
Protects Control Module**

- Easy to read back lit display on control module.
- Durable storage bag with shoulder strap.
- Heavy duty rubber corner pads for added protection.

SPECIFICATIONS	USRS220	USRS330S
Weight Capacity:	220 lb. (100 kg.)	330 lb. (150 kg.)
Accuracy:	± 0.05% Reading + .4 oz. (10g)	± 0.05% Reading + 1.0 oz. (25g)
Units of Measure:	lb., oz., kg.	lb., oz., kg.
Resolution:	0.01 lb., 0.2 oz., 5g	0.01 lb., 0.2 oz., 5g
Operating Temperature:	-40°F - 104°F (-10°C - 40°C)	-40°F - 104°F (-10°C - 40°C)
Dimensions:	10.7" x 10.7" (27.2cm x 27.2cm)	10.7" x 10.7" (27.2cm x 27.2cm)
Platform Size:	10.7" x 10.7" (27.2cm x 27.2cm)	10.7" x 10.7" (27.2cm x 27.2cm)
Battery Powered:	5 – AAA Batteries	5 – AAA Batteries



**Programmable Solenoid Valve
with USRS330S**



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Locking Refrigerant Cap



- Made in the U.S.A.
- Two sizes 1/4" and 5/16" flare that is roll stamped onto the cap for size identification
- Machined from high quality brass and nickel plated for corrosion resistance
- Reduce potential liability for inhalation induced injury or death
- Deter refrigerant theft
- Helps prevent loss from cylinders and recovery tanks

UniWeld Locking Caps Meet International Safety Codes

International Mechanical Code 1101.10

Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper resistant caps.

International Residential Code M1411.6

Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper resistant caps.

1/4" LOCKING CAP

Part#	Description
ULRC14	Sold in units of 50 per box only
ULRC14-2	2 Pack
ULRC14-10	10 Pack
ULRC14-50	50 Pack

5/16" LOCKING CAP

Part#	Description
ULRC516-2	2 Pack
ULRC516-10	10 Pack
ULRC516-50	50 Pack

Patent Pending



MADE
IN THE
USA

HVAC/R Tools



EZ Solution Injector

EZ Solution Injector has a capacity of 4 fl. oz. and is used to inject oil additives or UV Dye into an air conditioning and refrigeration system.

Special design features include:

- Add Oil Additive or UV Dye to system
- Compatible with all A/C and Refrigeration Oil and UV Dye
- Easy connection to manifold hoses
- Push Oil with refrigerant or high side system pressure
- Industrial rugged aluminum body and caps
- Maximum working pressure 800 psi
- Injector Cap with 1/4" Male Flare fitting and valve core
- Ball valve with service hose and standard hose nut



AV25H

Line Set Flush Actuating Valve

For use on disposable flush solvent cylinders with M11x.94 (7/16" - 27) connection. Safety Check Valve built into the 1/4" M.F. outlet connection prevents pressurizing the disposable cylinder.





Vapor•Vue®

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

Patent# 9,803,901



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



Liquid Refrigerant to Vapor

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.

Reseatable Pressure Relief Valve

Patent# 8,181,665

Special design features include:

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

Part#	Description
94184	A/C System Flush Kit
H2SSM	2 ft. Service Hose
FG24A	A/C Rubber Tip Nozzle with 1/8" M.P.T. Fitting
BG1ACA	Blowgun with A/C Rubber Tip Nozzle



1/4" Male Flare

94184



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HVAC/R Tools



SPIRIT

Manifold

3 1/8" NPF® Gauges
R-410A/R-22/R-404A/R-134a

COLOR CODED GAUGE BOOTS



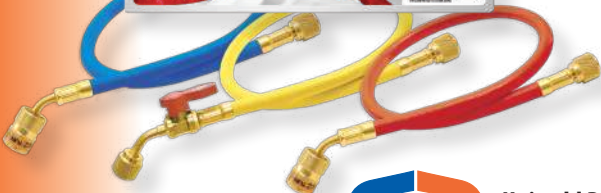
R-410A/R-22
R-404A/R-134a
3 1/8" Replacement
Gauges
G429ND
Red, Pressure
G430ND
Blue, Compound

USAM

Spirit Manifold, designed and built right here in the U.S.A., proudly emphasizes the quality and the superior workmanship that signifies American Made. Lightweight extruded aluminum body and easy-grip handles for positive control; double O-ring piston valve for long reliable service; easy access front hose holders; large easy-to-read 3 1/8" steel case NPF® gauges with color-coded protective boots; High Pressure Soft Magic® Barrier Hose set with optional EZ-Turn Anti-Blowback or Ball Valve Fittings.

USAM5EZ

Part#	UPC#	Description
USAM	49200	2-Valve Spirit Manifold [No Hoses]
USAM3H	49241	2-Valve Spirit Manifold with 3ft. Hose Set
USAM5H	49242	2-Valve Spirit Manifold with 5ft. Hose Set
USAM3BV	49271	2-Valve Spirit Manifold with 3ft. Ball Valve Hose Set
USAM5BV	49272	2-Valve Spirit Manifold with 5ft. Ball Valve Hose Set
USAM3EZ	49211	2-Valve Spirit Manifold with 3ft. EZ-Turn Anti-Blowback Hose Set
USAM5EZ	49212	2-Valve Spirit Manifold with 5ft. EZ-Turn Anti-Blowback Hose Set



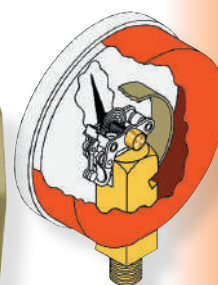


4-Valve Manifold

**3 1/8" NPF® Gauges
R-410A/R-22/R-404A/R-134a**

Q4N8

**Lens Plug
for easy
zero reset**



**NPF®
Silicone
Dampened
Movement**

HVAC/R Tools

Q4N85SMEZ



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

Part#	UPC#	Description	R-410A/R-22/R-404A/R-134a- PSI/°F
Q4N8	48700	4-Valve Aluminum Manifold [No Hoses]	
Q4N85SM	48701	4-Valve Aluminum Manifold with 5ft. Soft Magic® Barrier Hose Set	
Q4N85SMEZ	48721	4-Valve Aluminum Manifold with 5ft. Soft Magic® Barrier EZ-Turn Anti-Blowback Hose Set	

Other pressure and temperature scales are available upon request.



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



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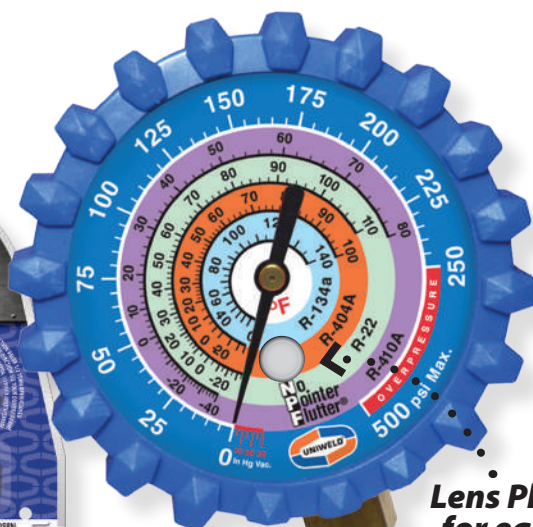
Man, What a Manifold®

**3 1/8" NPF® Gauges
R-410A/R-22/R-404A/R-134a**

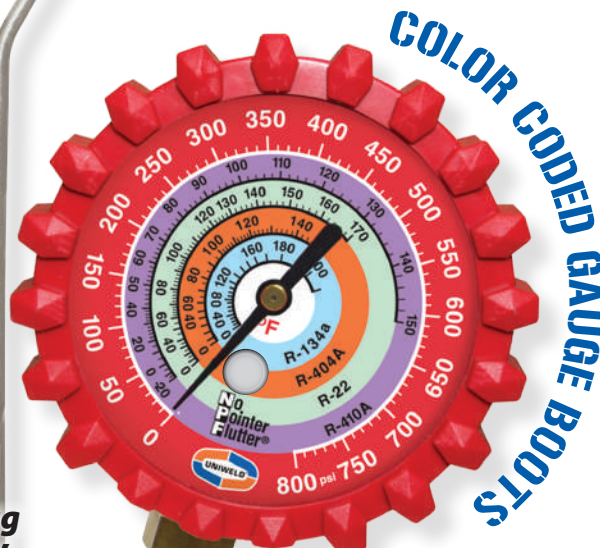
HVAC/R Tools



QS8N5SMEZ



**Lens Plug
for easy
zero reset**



**COLOR CODED
GAUGE
BOOTS**



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 EZ-Turn Anti-Blowback or Ball Valve fittings. Man, What a Manifold!



**NPF®
Silicone
Dampened
Movement**



**R-410A/R-22/R-404A/R-134a
Replacement Gauges 3 1/8" [80mm]
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]	
QS8N3BV	48619	2-Valve Brass Manifold with 3ft. Ball Valve Hose Set	
QS8N5BV	48620	2-Valve Brass Manifold with 5ft. Ball Valve Hose Set	
QS8N6BV	48621	2-Valve Brass Manifold with 6ft. Ball Valve Hose Set	
QS8N3SMEZ	48671	2-Valve Brass Manifold with 3ft. EZ-Turn Anti-Blowback Hose Set	
QS8N5SMEZ	48672	2-Valve Brass Manifold with 5ft. EZ-Turn Anti-Blowback Hose Set	
QS8N6SMEZ	48673	2-Valve Brass Manifold with 6ft. EZ-Turn Anti-Blowback Hose Set	

Other pressure and temperature scales are available upon request.

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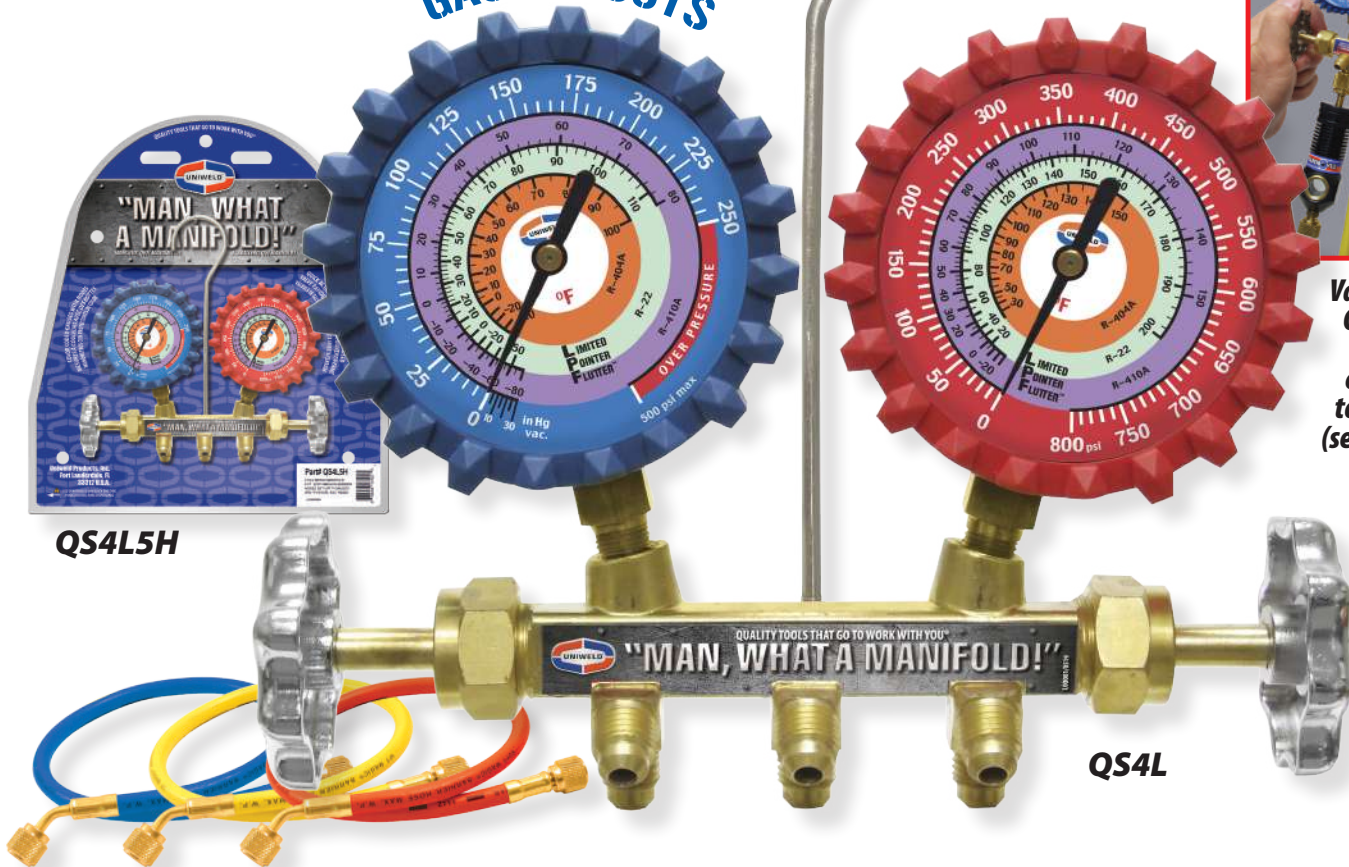
Man, What a Manifold®

2 1/2" LPF™ Gauges
R-410A/R-22/R-404A

COLOR CODED
GAUGE BOOTS



QS4L5H



QS4L

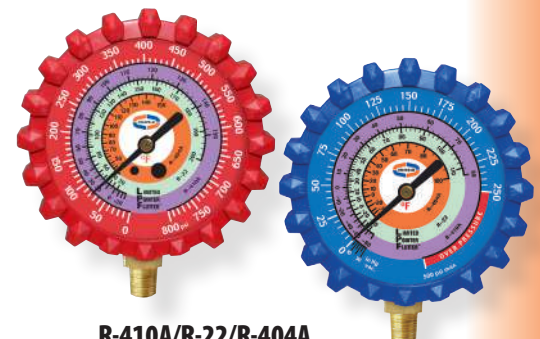


Vapor-Vue®
Charging
Device
connects
to low side
(see page 44)

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 2 1/2" 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 (available with optional EZ-Turn anti-blowback fittings). Man, What a Manifold!

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 with 3ft. Hose Set	
QS4L5H	47502	2-Valve Brass Manifold with 5ft. Hose Set	
QS4L6H	47503	2-Valve Brass Manifold with 6ft. Hose Set	
QS4L3HBV	47416	2-Valve Brass Manifold with 3ft. Ball Valve Hose Set	
QS4L5HBV	47417	2-Valve Brass Manifold with 5ft. Ball Valve Hose Set	
QS4L6HBV	47418	2-Valve Brass Manifold with 6ft. Ball Valve Hose Set	
QS4L3HEZ	47411	2-Valve Brass Manifold with 3ft. EZ-Turn Anti-Blowback Hose Set	
QS4L5HEZ	47412	2-Valve Brass Manifold with 5ft. EZ-Turn Anti-Blowback Hose Set	
QS4L6HEZ	47413	2-Valve Brass Manifold with 6ft. EZ-Turn Anti-Blowback Hose Set	



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

Other pressure and temperature scales are available upon request.



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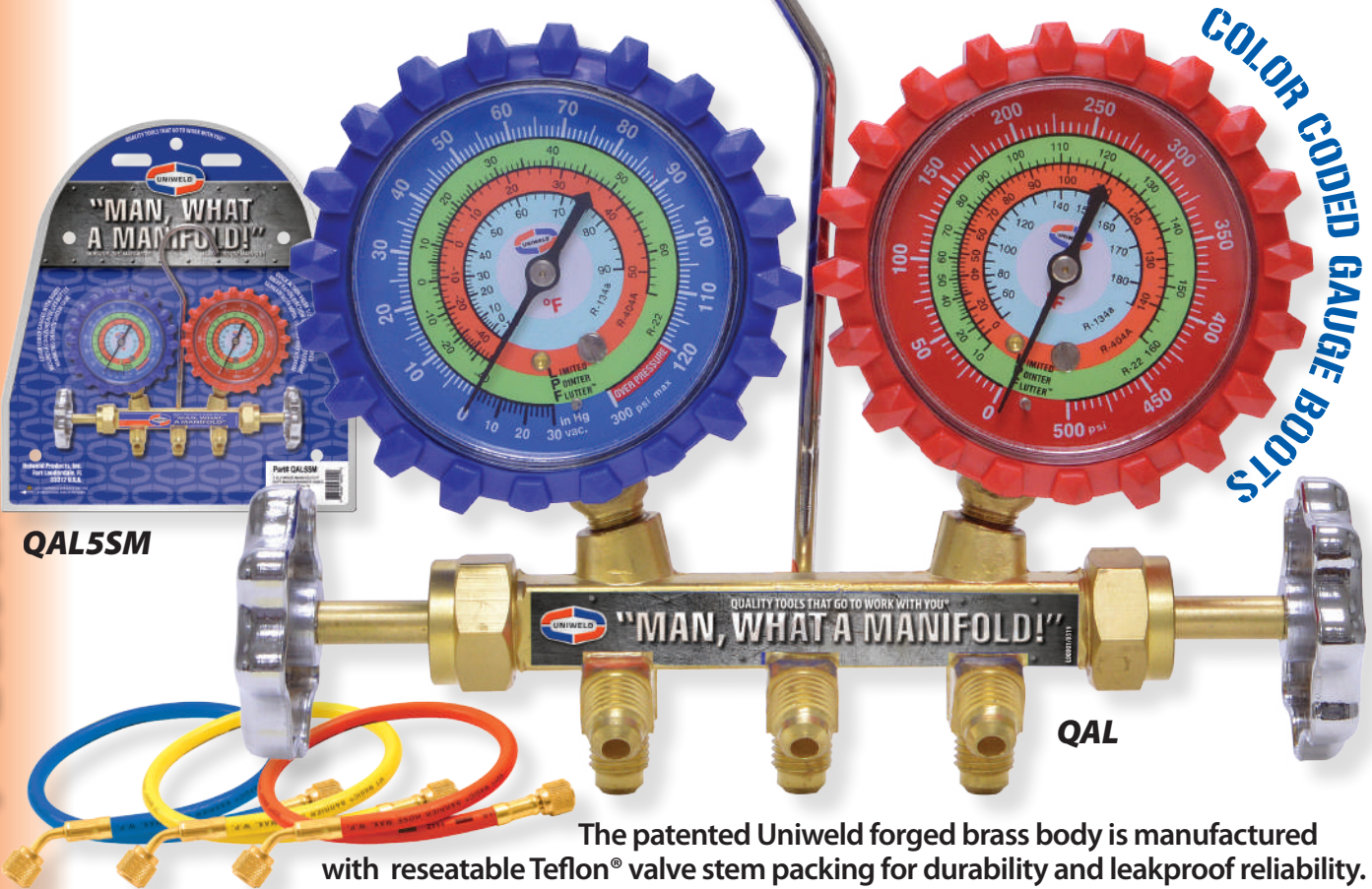
HVAC/R Tools



Man, What a Manifold®

**2 1/2" LPF™ Gauges
R-22/R-404A/R-134a**

HVAC/R Tools

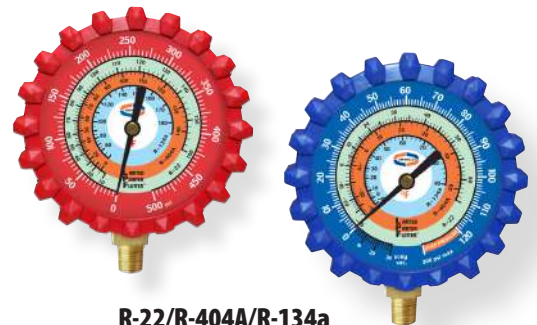


QAL5SM

QAL

The patented Uniweld forged brass body is manufactured with reseatable Teflon® valve stem packing for durability and leakproof reliability. This user-friendly, accurate, manifold features: • Limited Pointer Flutter™, easy-to-read 2 1/2" gauges with color coded refrigerant scales and color coded protective rubber 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 available with optional EZ-Turn Anti-Blowback or Ball Valve fittings. Man, What a Manifold!

Part#	UPC#	Description	R-22/R-404A/R-134a-PSI/°F
QAL	45050	2-Valve Brass Manifold [No Hoses]	
QAL3SM	48001	2-Valve Brass Manifold with 3ft. Hose Set	
QAL5SM	48002	2-Valve Brass Manifold with 5ft. Hose Set	
QAL6SM	48003	2-Valve Brass Manifold with 6ft. Hose Set	
QAL5MBV	48210	2-Valve Brass Manifold with 5ft. Ball Valve Hose Set	
QAL6MBV	48211	2-Valve Brass Manifold with 6ft. Ball Valve Hose Set	
QAL5MEZ	48172	2-Valve Brass Manifold with 5ft. EZ-Turn Anti-Blowback Hose Set	
QAL6MEZ	48173	2-Valve Brass Manifold with 6ft. EZ-Turn Anti-Blowback Hose Set	



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

Other pressure and temperature scales are available upon request.





Replacement Parts

2 Valve Brass Manifold Replacement Parts



Scan for
Product
Video

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

MW2
Metal Hand Wheel
(Pkg. of 2)

Valve
Packing
Nut

Brass
Packing
Washer

Teflon
Washer
(Packing)

Steel
Washer

Valve
Stem

Teflon
Valve
Seat

**MAN WHAT
A MANIFOLD**
Forged Brass Body
with Hanging Hook

QA200A
Complete Metal Handle
and Valve Stem Assembly

U.S. Patent No. D453,953

Replacement Gauges
(See pages 51-52)
U.S. Patent No.
6,094,983

4 Valve Aluminum Manifold Replacement Parts

Replacement Gauges
(See pages 51-52)

100X51A4
Hanging Hook and
Nut Assembly

Q408A Hose Bracket Assembly

Q422-2A
Low Side
Handle
Assembly

Q422-4A
Vacuum
Handle
Assembly

10005S
Hose
Fitting
1/4" SAE

1393-3
Hose
Fitting
3/8" SAE

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

Q414K Valve Seal Repair Kit

Q422A
High Side
Handle
Assembly

Q422-3A
Refrigerant
Handle
Assembly

Replacement Gauges
(See pages 51-52)

100X51A4
Hanging Hook and
Nut Assembly

Extruded
Aluminum Body

SPR3K
Complete
Metal Handle
and Valve Stem
Assembly

10005S
Hose
Fittings
1/4" SAE

EVX38
Retaining Ring
(Pkg. of 2)

SPR3A
Valve Stem
Assembly

Screw
Lock
Washer

2 Valve SPIRIT Manifold Replacement Parts



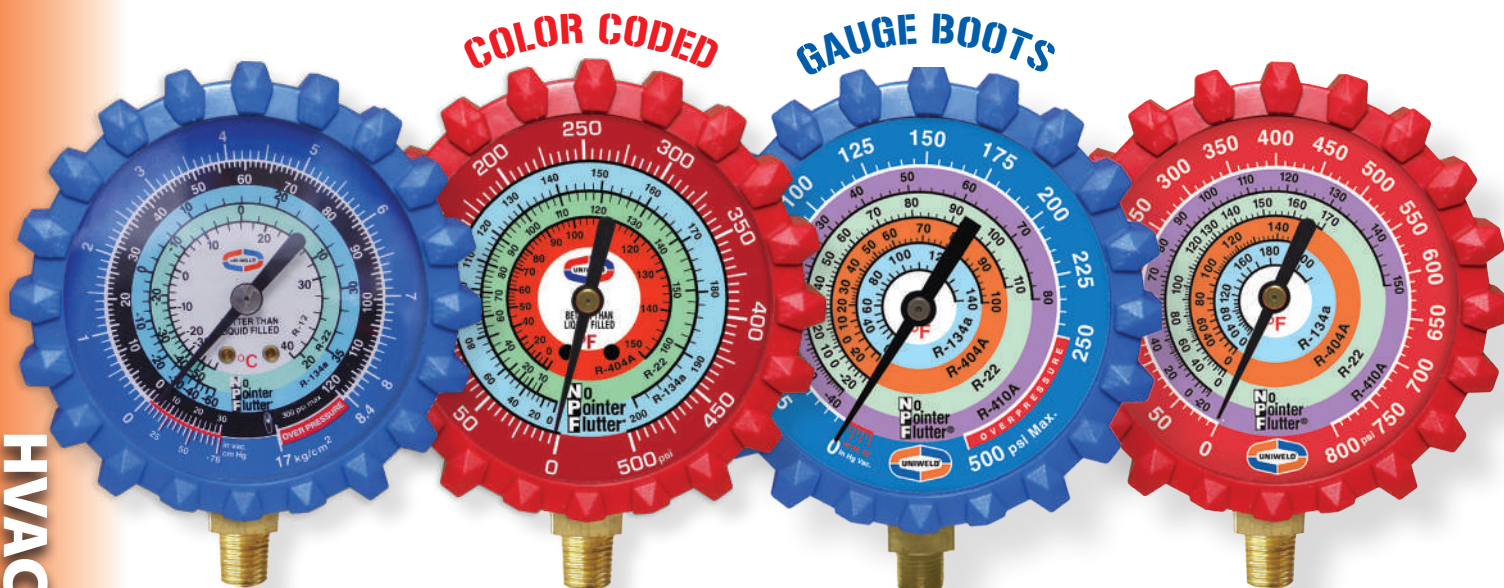
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NPF® Gauges

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.

HVAC/R Tools



G30ND-5

G29ND

G430ND

G429ND

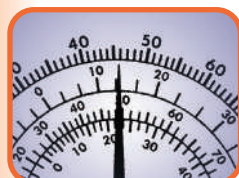
Color Coded Case

Red Pressure
Part#

Blue Compound
Part#



Competitor's "Vibration Free" Gauge



UniWeld's NPF® Gauge

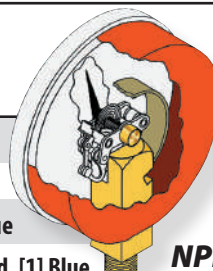
Size	Refrigerant Pressure/Temperature Scale	Red Pressure Part#	Blue Compound Part#
2½"	R-134a/R-22/R-404A PSI °F	G29ND	G30ND
	R-134a/R-22/R-12 PSI-kg/cm²·°F PSI-kg/cm²·°C	G29ND-1 G29ND-5	G30ND-1 G30ND-5
	R-410A/R-22/R-404A PSI °F	G529ND	G530ND
3⅛" [80mm]	R-134a/R-12 [Automotive] PSI-°F	G409NSAD	G410NSAD
	R-410A/R-22/R-404A/R-134a PSI-°F	G429ND	G430ND
	R-134a/R-404A/R-22/R-12 PSI - kg/cm² °C	G429ND-5	G430ND-5



GB80S

Replacement
Parts

Part#	UPC#	Description
CF25	51018	2½" Clear Front Lens w/ Plug
CF80	51019	3⅛" [80mm] Clear Front Lens w/ Plug
GB25S	51027	2½" Protective Gauge Boots, Pkg. [1] Red, [1] Blue
GB80S	51028	3⅛" [80mm] Protective Gauge Boots, Pkg. [1] Red, [1] Blue
PL25	51004	2½" Posi-Lock Replacement Lens



**NPF®
Silicone
Dampened
Movement**





LPF™ Gauges

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



HVAC/R Tools



Competitor's "Vibration Free" Gauge



Uniweld's LPF™ Gauge

Size	Refrigerant Pressure/Temperature Scale	Color Coded Case	
		Red Pressure Part#	Blue Compound Part#
2 1/2"	R-22/R-404A/R-134a		
	PSI °F	G29LD	G30LD
	R-134a /R-12/R-22		
	PSI-Kg/cm ² -°F	G29LD-1	G30LD-1
	PSI-Kg/cm ² -°C	G29LD-5	G30LD-5
	R-410A/R-22/R-404A		
	PSI °F	G529LD	G530LD
	PSI-Kg/cm ² -°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/cm ² -°C	G9LD-5	G10LD-5

GB25S



Replacement Parts

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



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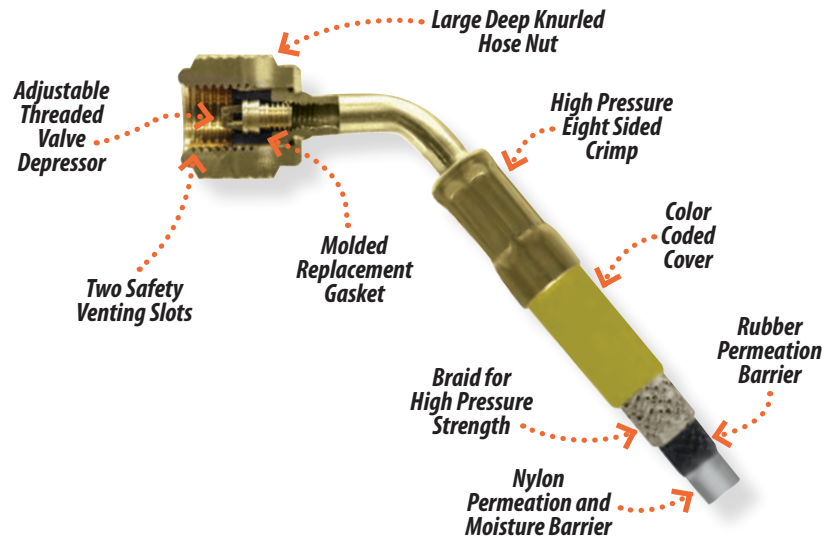


Soft Magic[®] Barrier Hose

- Nylon Barrier Hose is rated for R-410A, CFC, HCFC and HFC refrigerants
- Maximum Working Pressure: 800 PSI
- Burst Pressure: 4000 PSI



Anatomy of the Soft Magic[®] Barrier Hose



		Red	Yellow	Blue	Hose Set 1 Each R, Y, B
	Length	Part#	Part#	Part#	Part#
Soft Magic [®] Barrier Hoses with Standard Fittings	3 ft. 90cm	H3SMBR	H3SMBY	H3SMBB	HC3SMB
	5 ft. 150cm	H5SMBR	H5SMBY	H5SMBB	HC5SMB
	6 ft. 180cm	H6SMBR	H6SMBY	H6SMBB	HC6SMB
	8 ft. 240cm	H8SMBR	H8SMBY	H8SMBB	HDC5MB

*HDC5MB Hose Set: (3) 5 ft. 1/4" Hoses and (1) 5 ft. 3/8" Hose



UHR
UniWeld
Hose
Rack
(Holds up to
50 Hoses)



	Part#	Description
Replacement Parts for Soft Magic [®] Barrier Hoses	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





EZ Turn Hoses

EZ TURN
ANTI-BLOWBACK FITTING

UNDER
PRESSURE

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



Scan for
Product
Video



**RATED FOR
R410A
*2 YEAR
WARRANTY**

U.S. PATENT No. 9,383,046
International Patents Pending



"T" Fitting Hose
UVG2 Digital Vacuum Gauge
(Sold Separately)
see page 41

U.S. PATENT No. 11,143,445
International Patents Pending

Maximum Working Pressure: 800 PSI Burst Pressure: 4000 PSI

	Length	EZ TURN HOSES			HOSE SETS	EZ TURN "T" FITTING HOSES		
		Part#	Part#	Part#	Part#	Part#	Part#	Part#
1/4" EZ TURN ANTI-BLOWBACK FITTING	3 ft. 90cm	EZ3R	EZ3Y	EZ3B	EZ3HS	EZT3R	EZT3Y	EZT3B
	5 ft. 150cm	EZ5R	EZ5Y	EZ5B	EZ5HS	EZT5R	EZT5Y	EZT5B
	25 ft. 7.50m	EZ25R	EZ25Y	EZ25B	EZ5HDS	EZT25R	EZT25Y	EZT25B
R-410A Mini Split 5/16" EZ TURN FITTING (1/4" X 5/16")	3 ft. 90cm	EZM3R	EZM3Y	EZM3B	Hose Set: (3) 5 ft. 1/4" Hoses & (1) 5 ft. 3/8" Hose	EZTM3R	EZTM3Y	EZTM3B
	5 ft. 150cm	EZM5R	EZM5Y	EZM5B		EZTM5R	EZTM5Y	EZTM5B



UHR UniWeld Hose Rack
(Holds up to 50 Hoses)

EZ TURN ANTI-BLOWBACK ADAPTERS

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

	Part#	Description
Replacement Parts	EZHRK	1/4" Rebuild Kit; (1) Anti-Blowback Depressor (1) Square Seat • (2) O-Rings (1) Hose Gasket • (1) Spring
	EZHRKM	5/16" Mini Split Rebuild Kit: (1) Anti-Blowback Depressor (1) Square Seat • (2) O-Rings (1) Hose Gasket • (1) Spring



Scan for Ez-turn
Anti-Blowback
Fitting Rebuild
Kit Video



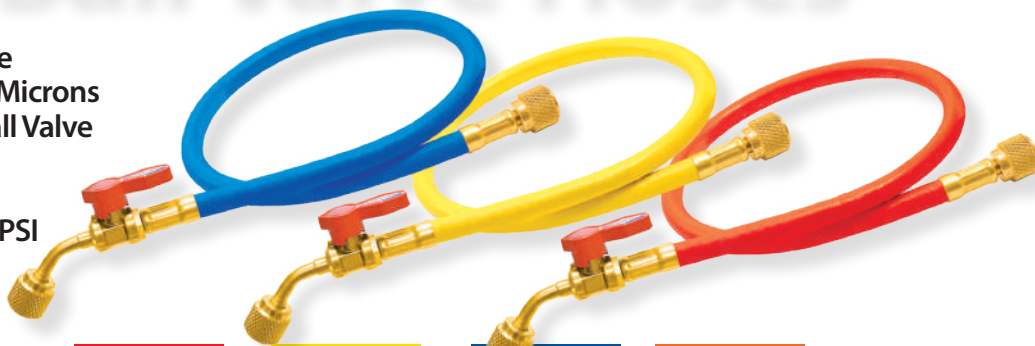
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HVAC/R Tools



Ball Valve Hoses

- 1/4" Soft Magic® Hose
- Vacuum Rated to 20 Microns
- 1/4 Turn, Full Flow Ball Valve
- Maximum Working Pressure: 800 PSI
- Burst Pressure: 4000 PSI



	Length	Red Part#	Yellow Part#	Blue Part#	Hose Set 1 Each R, Y, B Part#	Black 3/8" Part#
Ball Valve Hoses with Full Flow Ball Valve	3 ft. 90cm	H3BVR	H3BVY	H3BVB	H3BVS	
	5 ft. 150cm	H5BVR	H5BVY	H5BVB	H5BVS	HD5BV
	6 ft. 180cm	H6BVR	H6BVY	H6BVB	H6BVS	HD6BV

- 3/8" Soft Magic® Black Hose
- 3/8" Full Flow Ball Valve
- Maximum Working Pressure: 600 PSI
- Burst Pressure: 3000 PSI

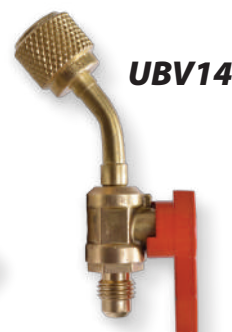
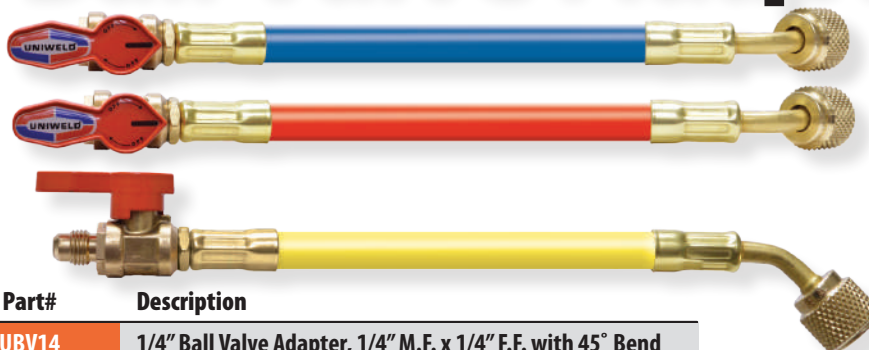


EZ TURN® & Ball Valve Hose Sets

- EZ Turn® Anti-Blowback Fitting
- 1/4 Turn, Full Flow Ball Valve
- Maximum Working Pressure: 800 PSI
- Burst Pressure: 4000 PSI

Part#	Description
EZ3HS	3 ft. Red & Blue EZ Turn Anti-Blowback Hoses and Yellow Ball Valve Hose
EZ5HS	5 ft. Red & Blue EZ Turn Anti-Blowback Hoses and Yellow Ball Valve Hose
EZ6HS	6 ft. Red & Blue EZ Turn Anti-Blowback Hoses and Yellow Ball Valve Hose

Ball Valve Adapters



Part#	Description
UBV14	1/4" Ball Valve Adapter, 1/4" M.F. x 1/4" F.F. with 45° Bend
UBV146B	1/4" Ball Valve, 1/4" M.F. x 1/4" F.F. with 6" Hose, Blue
UBV146R	1/4" Ball Valve, 1/4" M.F. x 1/4" F.F. with 6" Hose, Red
UBV146Y	1/4" Ball Valve, 1/4" M.F. x 1/4" F.F. with 6" Hose, Yellow
UBV146S	1/4" Ball Valve with 6" Hose Set (1 Each - R,Y,B)



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Soft Magic[®] 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.

	Length		$\frac{3}{8}$ " Str. x $\frac{3}{8}$ " Str. Part# UPC #		$\frac{3}{8}$ " Str. x $\frac{1}{4}$ " 45° Part# UPC #	
$\frac{3}{8}$" Soft Magic[®] Heavy Duty Charging and Vacuum Hose Max. Work Pressure: 600 PSI Burst Pressure: 3000 PSI	3 ft.	90cm	HD338	90500	HD33814	90206
	5 ft.	150cm	HD538	90502	HD53814	90208
	6 ft.	180cm	HD638	90503	HD63814	90209

	Length		$\frac{1}{2}$ " Str. x $\frac{1}{2}$ " Str. Part# UPC #		$\frac{5}{8}$ " Str. x $\frac{5}{8}$ " Str. Part# UPC #	
$\frac{1}{2}$" & $\frac{5}{8}$" Heavy Duty Charging and Vacuum Hose Max. Work Pressure: 350 PSI Burst Pressure: 1987 PSI	3 ft.	90cm	HD312	90238	HD358	90246
	5 ft.	150cm	HD512	90240	HD558	90248
	6 ft.	180cm	HD612	90241	HD658	90249

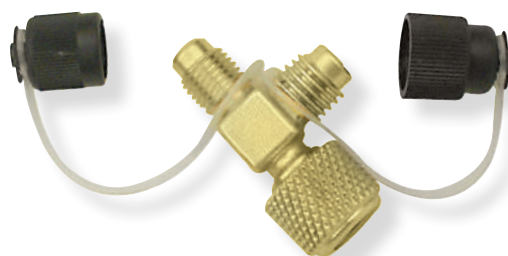
	Part#	Description
Replacement Parts	HDX14N-10	Pkg. of [10] Rubber Gaskets [$\frac{3}{8}$ " Fittings]
	HD1X14N-10	Pkg. of [10] Rubber Gaskets [$\frac{1}{2}$ " & $\frac{5}{8}$ " Fittings]



Adapters and Fittings



92863
R-410A Mini-Split Adapter
 $\frac{5}{16}$ " ($\frac{1}{2}$ "-20) Female
with Adjustable Depressor
x $\frac{1}{4}$ " Male with Valve Core



92816
R-134a and R-12
Vacuum Pump Adapter
 $\frac{1}{4}$ " F.F. x $\frac{1}{2}$ " ACME M. x $\frac{1}{4}$ " M.F.

Replacement Tethered Caps
92817
 $\frac{1}{4}$ " Plastic Cap (Pkg. 10)
92818
 $\frac{1}{2}$ " ACME Plastic Cap (Pkg. 10)



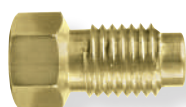
92836
Refrigerant Drum Adapter
 $\frac{3}{4}$ " NPS Cylinder x $\frac{1}{4}$ " M.F.



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



92800
14mm M. x $\frac{1}{4}$ " M.F.



13401
 $\frac{1}{4}$ " F.F. x $\frac{1}{2}$ " ACME M.



10005
 $\frac{1}{4}$ " M.F. x $\frac{1}{8}$ " M.P.T.



92799
 $\frac{1}{2}$ " ACME F. x $\frac{1}{4}$ " M.F.





Automotive

3 1/8" NPF® Gauges R-134a/R-12

Automotive 2-Valve Aluminum Block Manifold features a large optical sight glass for monitoring refrigerant. High and low side brass valves provide precision control.



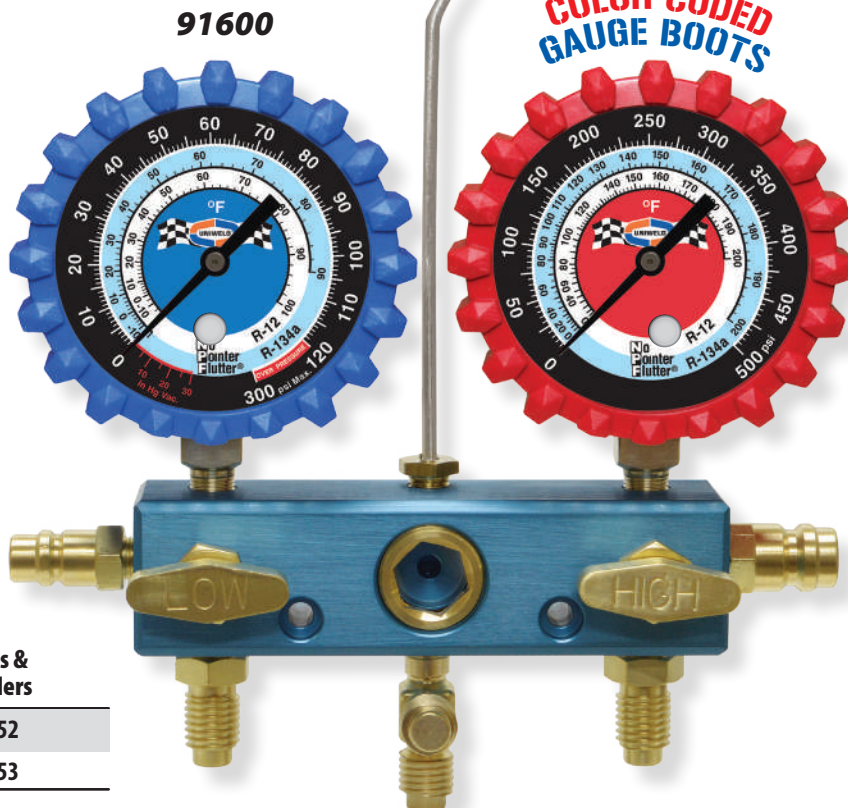
90479
Low Side



90478
High Side

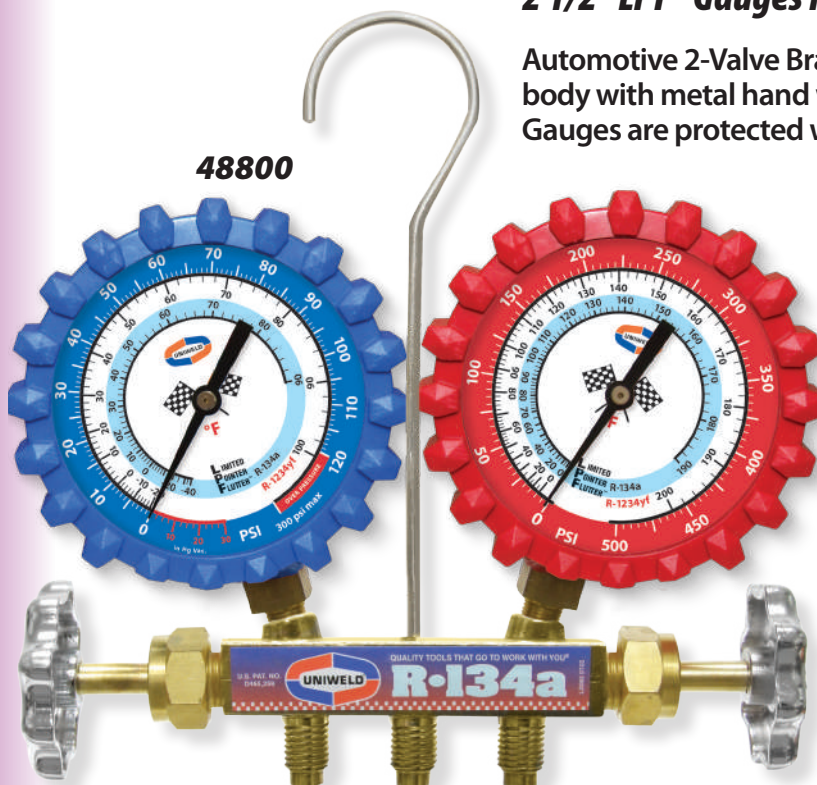
Manual Service Couplers

	Hose Length	Hoses & Couplers
91600 Manifold 3 1/8" NPF® Gauges	5 ft. [150cm]	91652
	6 ft. [150cm]	91653



2 1/2" LPF® Gauges R-1234yf/R-134a

Automotive 2-Valve Brass Manifold has a solid forged brass body with metal hand wheels, convenient hose and holder. Gauges are protected with color-coded gauge boots.



90479
Low Side



90478
High Side

Manual Service Couplers

	Hose Length	Hoses & Couplers
48800 Manifold	5 ft. [150cm]	48852





Automotive

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

Specifications:

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

	Hose Length	1/2" Acme x 1/2" Acme w/Anti-Blowback	14mm x 1/2" Acme	14mm x 1/2" Acme	Hose Set 1 each R, Y, B
Soft Magic®	5 ft.	49009	49001	49005	49021
	6 ft.	49010	49002	49006	49022

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

Automotive Service Couplers

UniWeld's improved R-134a and R-1234yf Manual Service Couplers accurately centers to the schrader valve. This prevents damage to the schrader valve and securely locks the coupler onto the A/C service port.

	Part#	Description
R-134a Manual Couplers	90478	Manual Red-High Side with 1/4" M.F. Adapter
	90479	Manual Blue-Low Side with 1/4" M.F. Adapter
R-134a Automatic Service Couplers	90483	R-134a Automatic Coupler - Red/High with 1/4" M.F. Adapter
	90484	R-134a Automatic Coupler - Blue/Low with 1/4" M.F. Adapter
	90486	Automatic Service Coupler/Adapter Kit: Includes: 1 each 90483 and 90484
R-1234yf Manual Couplers	90494	Manual Red-High Side with 1/4" M.F. Adapter
	90495	Manual Blue-Low Side with 1/4" M.F. Adapter

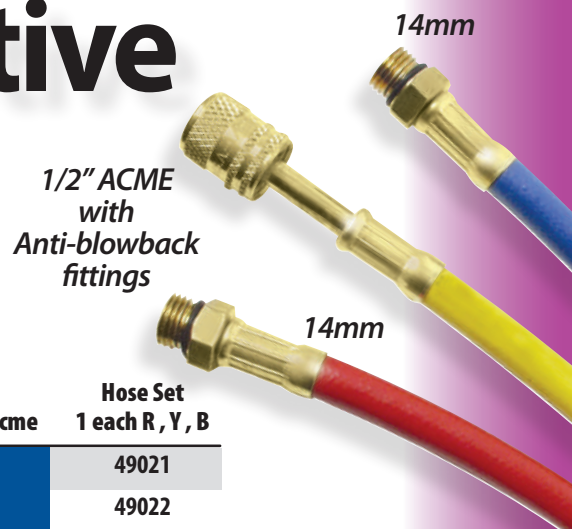
Automotive Replacement Gauges

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

Part#	Description
G9YFD	2 1/2" LPF® R-1234yf/ R-134a 0-500 psi
G10YFD	2 1/2" LPF® R-1234yf/ R-134a 30"-Hg-120 psi, 300 psi Overpressure
G409NSAD	3 1/8" NPF® R-134a/R-12 0-500 psi
G410NSAD	3 1/8" NPF® R-134a/R-12 30"-Hg-120 psi, 300 psi Overpressure



G10YFD
2 1/2" LPF™



1/2" ACME with Anti-blowback fittings



90478
High Side



90479
Low Side



90483
High Side



90484
Low Side



90494
High Side



90495
Low Side



G409NSAD
3 1/8" NPF®

Automotive A/C





R-134a Auto Accessories

R-134a Can Tap Valve and Auto Recharge Hose

R-134a Recharge Hose assembly includes: Can Tap Valve with 8" hose and low side Service Coupler for quick and easy A/C service.

Self-piercing R-134a Can Tap Valve with 1/2" ACME fittings and "T" handle valve for easy fingertip control.



49016



90060



Part# Description

Can Tap Valve and Hose

49016	R-134a Auto Recharge Hose with Can Tap Valve
90060	R-134a Can Tap Valve with 1/2" Acme Male Fitting

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.

Will not detect non-chlorine based refrigerants (such as R-410A).

PLD33V
(cylinder not included)



When chlorine-based refrigerant gases are detected...



...blue flame changes to green

Part# Description

PLD33V	Propane Halide Leak Detector with probe hose valve assembly
PCV	Valve Assembly Only
LDPLC	Copper Reactor Plate





Nitrogen Kits



40040

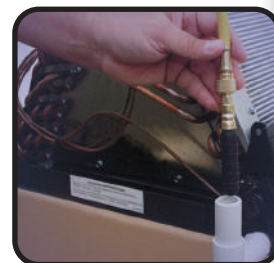
Nitrogen is a dry inert gas with multiple uses in the HVAC/R industry: purging when brazing, pressure testing for leaks, calibrating pressure controls, cleaning a condensate drain line, cleaning coils, inflating tires, unclogging a sink, operating impact tools and much more. The Sludge Sucker® Kit options include a choice of high or low-pressure regulators for Nitrogen or CO₂ [with optional F36 adapter - sold separately]. All Nitrogen Kits include a Sludge Sucker® and Sludge Blaster® for quickly unclogging condensate drain lines.



Blow off coils with Blowgun



Purge and pressure test an A/C&R system



Clean out condensate drain lines with Sludge Blaster®

Part#	Regulators	Accessories	Hoses	Blowgun	Carrying Stand
40002	R1563 [Delv. 5-175 psi]	40000 Sludge Sucker®	H5SMBY 5 ft. Hose	BG1	516 [40/55 cu. ft.]*
40040	RHP400 [Delv. 20-400 psi]	40061 Sludge Blaster®	H2SSM 2 ft. Hose		516 [40/55 cu. ft.]*
40098	RHP800 [Delv. 20-800 psi]				516 [40/55 cu. ft.]*

*Tank not included.

40055 Sludge Sucker® Maintenance Kit



40055

A versatile, all-in-one kit that includes a Nitrogen regulator with a delivery pressure up to 400 PSI for pressure testing an A/C&R system for leaks. It also includes many accessories for cleaning condensate drain lines and for blowing off coils. It even has an air chuck to fill up that flat tire. As a bonus, our Sludge Blaster® is included (see page 63 for more information). Carry stands are sold separately (see page 32). Sludge Sucker® Maintenance Kit includes one of each:

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



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Nitrogen & CO₂



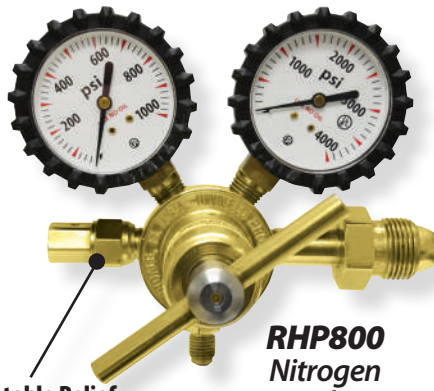
Nitrogen Regulators

Regulators for use with Nitrogen or CO₂ (with optional F36 adapter) that have been specially designed for purging and pressure testing. Large brass "T" handle with stainless steel pressure adjusting screw and bushing prevent galling.



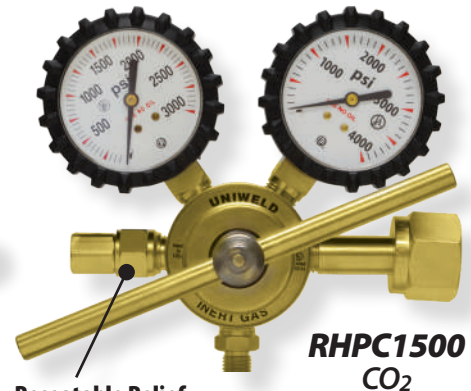
RHP400
Nitrogen
Regulator

Reseatable Relief
Valve Opens at
450-475 PSI



RHP800
Nitrogen
Regulator

Reseatable Relief
Valve Opens at
850-875 PSI



RHPC1500
CO₂
Regulator

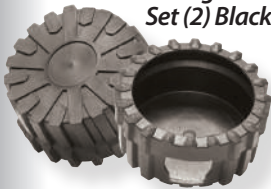
Reseatable Relief
Valve Opens at
1550-1575 PSI

F36 Adapter
CO₂ Cylinder
(CGA320) to
Nitrogen
Regulator
(CGA580)



Part#	UPC#	CGA Inlet	Outlet Connection	Gauges Delivery/Contents	Delivery PSIG	Replacement "T" Handle
RHP400	13000	580	1/4" M.F.	[G8SD] 600/4000 [G7SD]	0-400	RHP184A-2
RHP500	13100	580	1/4" M.F.	[G8SD] 600/4000 [G7SD]	0-500	RHP184A
RHP800	13800	580	1/4" M.F.	[G34SD] 1000/4000 [G7SD]	0-800	RHP184A-2
RHPC1500	13302	320	1/4" M.F.	[G3SD] 3000/4000 [G7SD]	0-1500	RHP184A

GB20S
2" Gauge Boot,
Set (2) Black



Part#	Pressure	Diam.	Case	N.P.T.
G3SD	3000 psi	2"	Gold Steel Case	1/4"
G34SD	1000 psi	2"	Gold Steel Case	1/4"
G7SD	4000 psi	2"	Gold Steel Case	1/4"
G8SD	600 psi	2"	Gold Steel Case	1/4"

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

G34SD



G8SD



G7SD

Nitrogen and CO₂ Regulators

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

	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
Dual Gauge Regulator	R1358	R1558	[G20D] 15/4000 [G82D]	2-12
	*R1360	*R1560	[G83D] 60/4000 [G82D]	2-50
	*R1362	*R1562	[G78D] 200/4000 [G82D]	5-120
	*R1363	*R1563	[G84D] 300/4000 [G82D]	5-175



R1563

*Gauges shipped
with protective boots

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





Nitrogen Flow

NV1 Nitro-vue Flow Indicator



Scan for
Product
Video

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

RHP800N Nitrogen Regulator and Nitro-Vue Kit



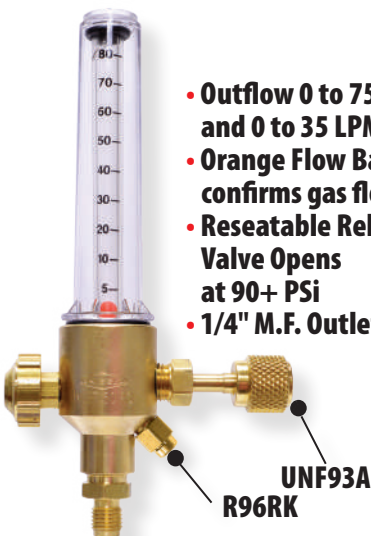
Patent No. 9,328,870

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



Nitrogen & CO₂

UNF3 Nitrogen Flow Meter



- Outflow 0 to 75 SCFH and 0 to 35 LPM
- Orange Flow Ball confirms gas flow
- Reseatable Relief Valve Opens at 90+ PSI
- 1/4" M.F. Outlet

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

Part#	Replacement Parts		
R96RK	12027	Reseatable Over Pressure Relief Device	
UNF93A	14032	Inlet Assembly	
NV193A	14041	Inlet Valve Assembly for NV1	



Maximum Inlet Pressure: 50 PSI

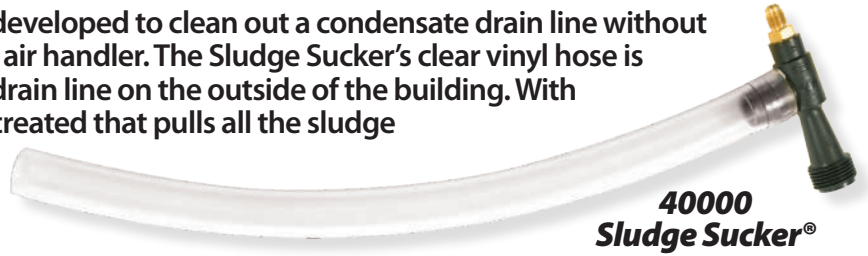


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Sludge Sucker®

The Sludge Sucker® is a tool that was developed to clean out a condensate drain line without accessing the drain pan located in the air handler. The Sludge Sucker's clear vinyl hose is attached to the 3/4" PVC condensate drain line on the outside of the building. With the use of Nitrogen or 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 needed, 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 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
Sludge
Blaster®**



40062

40063

40064

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

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

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.

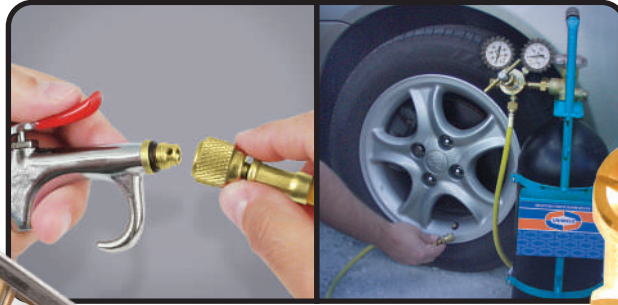
40064 Drain Blaster® 3" to 6" I.D.



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Accessories



**BG1
Blowgun**



**40045
Air
Chuck**

**H2SSM
2 ft. Service Hose**



**H5SMBY
5 ft. Service
Hose**

Rubber Plug Adapters

Rubber Plug Adapters with 1/4" M.F. Fitting are primarily used for drainline flushing.



Flush out a clogged sink drain using Rubber Plug Adapters.



Nitrogen & CO₂

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]
H5SMBY	5 ft. Service Hose [attaches to blowgun]

Part#	Description
40050	Rubber Plug Adapter [1/2" x 3/4" Cone]
40051	Rubber Plug Adapter [1" x 1 1/4" Cone]
40052	Rubber Plug Adapter [1 1/4" x 1 1/2" Cone]
40053	Rubber Plug Adapter [1 1/2" x 2" Cone]
40054	Rubber Plug Adapter [2" x 2 1/2" Cone]
40022	Rubber Plug Adapter [3/4" x 7/8" Cone]





Flaring/Swaging Tools

Flare/Burnish and Swaging Tool Kit

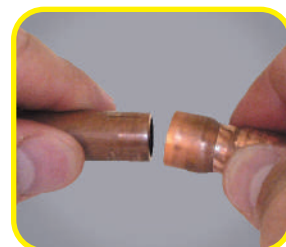
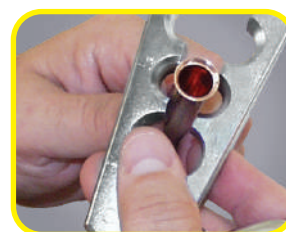
Swaging means one solder joint, not two. It now takes half the time to solder and braze the fitting with less chance of a leak.



70007

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

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



Punch Type Swaging Tools

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



70006

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



70005

70046

70047

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

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





Expander Kit

- Compact Hydraulic Power Swage Tool for on the job precision swaging
- The power to swage 1/4" up to 2-1/8" O.D. tubing
- Portable and lightweight easy one hand operation
- Save time and money by eliminating fittings and soldering joints
- Re-round deformed tubes and fittings for precision fit
- Patent Pending

UEK1

Expander Swage Kit:
Includes 6 Expander
Heads 3/8", 1/2", 5/8",
3/4", 7/8", 1-1/8" +
Inside/Outside
Deburring Tool
and Carrying Case
with Storage
Compartments



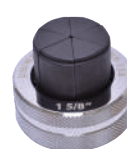
UEH-14
(Sold Separately)



UEH-516
(Sold Separately)



UEH1-38
(Sold Separately)



UEH8-158
(Sold Separately)



UEH9-218
(Sold Separately)

Expander® Heads

U.S. Patent No. 10,226,810



WARNING! FOR USE ON SOFT TUBING ONLY!

Hard copper tubing can be heated
and annealed with a flame tool
that will soften the tubing so it
can be expanded.

IMPORTANT: 3/8" hard and
soft copper tubing should be
annealed before expanding
to prevent splitting.

Posi-Lock
Expander
heads can
be quickly
switched
out



Hydraulic
Power
for one
handed
swaging



Quick
Release
Lever



Scan for product
and annealing
video

Patented, see www.uniweld.com/patents

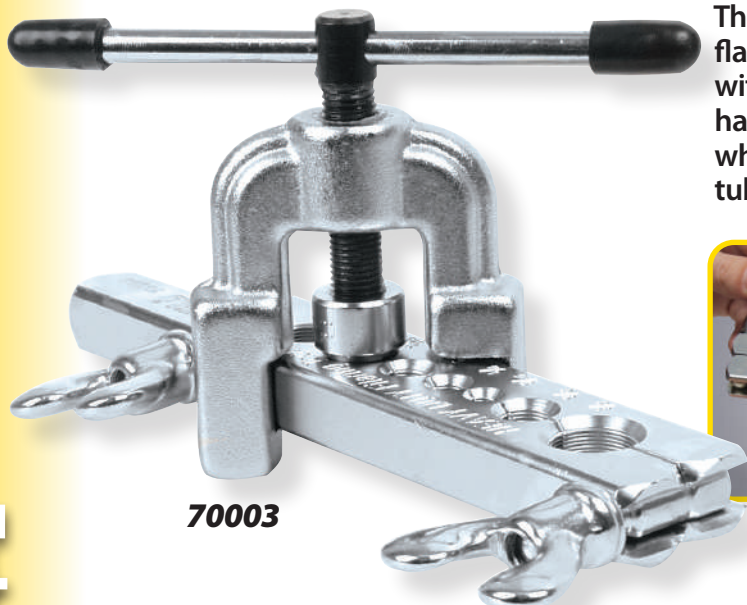
PART#	DESCRIPTION
UEK1	Expander Swage Kit Includes: 6 Expander Heads 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8" Plus Inside/Outside Deburring Tool and Carrying Case with Storage Compartments
UEH-14	Expander Head 1/4" O.D.
UEH-516	Expander Head 5/16" O.D.
UEH1-38	Expander Head 3/8" O.D.
UEH2-12	Expander Head 1/2" O.D.
UEH3-58	Expander Head 5/8" O.D.
UEH4-34	Expander Head 3/4" O.D.
UEH5-78	Expander Head 7/8" O.D.
UEH6-118	Expander Head 1-1/8" O.D.
UEH7-138	Expander Head 1-3/8" O.D.
UEH8-158	Expander Head 1-5/8" O.D.
UEH9-218	Expander Head 2-1/8" O.D.
UEHST	Hydraulic Swage Tool (does not include expander head)
70079	Inside/Outside Deburring Tool



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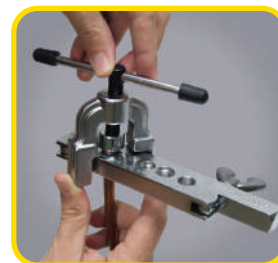


Flaring & Deburring Tools



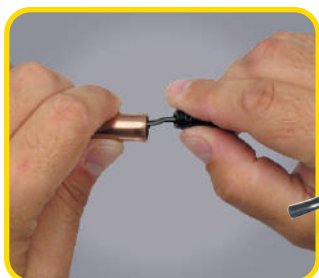
70003

The 70003 Heavy Duty Flaring Tool has a hardened steel flaring cone with a chrome finish for more uniform flares without galling. Special shaped wing nuts allow the long handle of the self-centering yoke to be used as a lever when tightening. The hardened steel flaring bar grips tubing without scoring.



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

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



70072

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



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

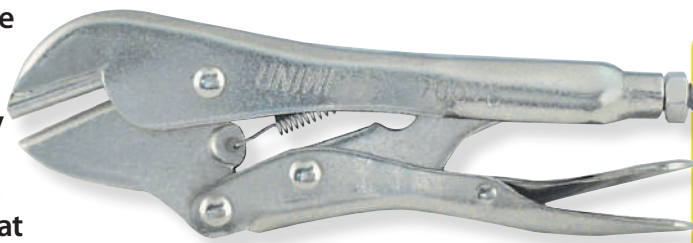
70079



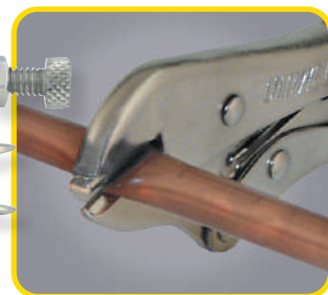
Used for deburring metal or PVC tubing ends, inside and out after cutting

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

Pinch-Off Tool



70076





Deluxe Flaring Tool



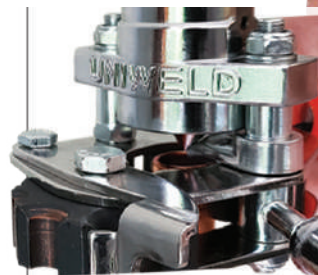
Scan for
Product
Video

**Electric/Manual
R-410A Ratchet +
Clutch Flaring Tool**

UDFT

**Built
Tough with
Stainless
Steel!**

**3/4" - 12 Point
Reversible
Ratchet
Wrench
Included**



**Automatic Tube Stop
Height Gauge for a
perfect R-410A flare
every time!**



**3/4"-12 Point Reversible
Ratchet Wrench
included reduces the
amount of effort
required to flare in a
confined work space.**

- Specifically designed to meet R-410A flaring specifications and all 45° flares for Soft Copper, Brass and Aluminum Tubing.
- Internal break away clutch that disengages when flare is completed, prevents over flaring and crushing the copper tubing.
- Automatic Tube Stop Height Gauge for a perfect R-410A flare every time!
- 3/4"-12 Point Reversible Ratchet Wrench included reduces the amount of effort required to manually flare in a confined work space.
- 3/8" Square Drive for use with cordless electric drill for faster flaring – drill & socket adapter not included.
- Eccentric off center cone that spins on an axis and rolls out a perfectly uniform 45° flare with a burnished flare surface.
- Self-Centering Clamping Dies for 8 Tube Sizes:
1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4 Inch O.D.
- Patent Pending

Mini Split A/C units are becoming increasingly popular and require flare connections on each end of the line set to connect the evaporator and condenser. Since R-410A is a much higher-pressure refrigerant, Mini Split manufacturers established R-410A flaring specifications that require a larger diameter, deeper flare for more surface area to seal against the male flare fitting and produce a stronger connection. UniWeld's Deluxe Flaring Tool features a built-in tube stop height gauge that makes a perfect R-410A flare without the guess work. Specifically designed to meet R-410A flaring specifications and can also be used on all 45° flares for Soft Copper, Brass and Aluminum Tubing.



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Tubing Tools



Tubing Cutters

Premium Mini Cutters

UTC701



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



	Part#	Capacity	Application
UTC701 MINI TUBING CUTTER	UTC701	1/8" to 1" O.D.	For Copper, Brass and Aluminum Tubing
	FEATURES: • RUGGED CAST ALUMINUM BODY • COMPACT SIZE TO CUT IN TIGHT SPACES • LARGE, NON-SLIP THUMBSCREW FOR PRECISE CUTTING PRESSURE CONTROL		

UTC702



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



	Part#	Capacity	Application
UTC702 MINI TUBING CUTTER	UTC702	1/8" to 1 1/8" O.D.	For Copper, Brass and Aluminum Tubing
	FEATURES: • RUGGED CAST ALUMINUM BODY • COMPACT SIZE TO CUT IN TIGHT SPACES • LARGE, NON-SLIP THUMBSCREW FOR PRECISE CUTTING PRESSURE CONTROL		

Premium Cutter

Handy fold-away reamer and bonus spare cutter wheel.



UTC703

	Part#	Capacity	Application
UTC703 PREMIUM TUBING CUTTER	UTC703	1/8" to 1 3/8" O.D.	For Copper, Brass and Aluminum Tubing
	FEATURES: • ENCLOSED TELESCOPIC FEED SCREW MECHANISM FOR SMOOTH CUTTING ACTION • 4 ROLLER TRACKING FOR TRUE SQUARED CUT • FLARE CUT-OFF GROOVE FOR CLOSE CUTTING DAMAGED FLARE • FOLD-AWAY REAMER • SPARE CUTTER WHEEL		





Tubing Cutters

Premium Cutter



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

UTC704

	Part#	Capacity	Application
UTC704 PREMIUM TUBING CUTTER	UTC704	1/8" to 1 3/4" O.D.	For Copper, Brass and Aluminum Tubing
	FEATURES: • ENCLOSED TELESCOPIC FEED SCREW MECHANISM FOR SMOOTH CUTTING ACTION • 4 ROLLER TRACKING FOR TRUE SQUARED CUT • FLARE CUT-OFF GROOVE FOR CLOSE CUTTING DAMAGED FLARE • BUILT IN DEBURRING TOOL • SPARE CUTTER WHEEL		

Quick-Action Premium Cutter

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

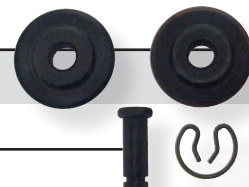


UTC705

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

	Part#	Capacity	Application
UTC705 PREMIUM TUBING CUTTER	UTC705	1/4" to 2 3/4" O.D.	For Copper, Brass and Aluminum Tubing
	FEATURES: • 4 ROLLER TRACKING FOR TRUE SQUARE CUT • REMOVABLE DEBURRER • SPARE CUTTER WHEEL		

	Part#	Description
REPLACEMENT PARTS	UTC706	• 2 Cutter Wheels • Holder Axle • C-clip
	Replacement Parts for: UTC701, UTC702, UTC703, UTC704, UTC705	

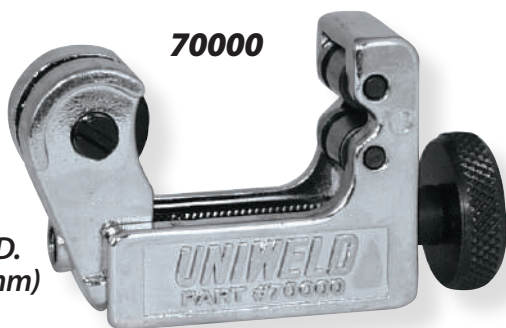




Tubing Cutters

70000

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



Mini Tubing Cutter

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

Premium Tubing Cutters

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



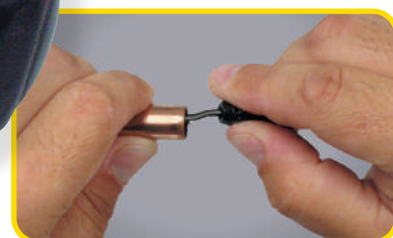
70001

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

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



70090



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

70090 includes a removable deburring tool for removing sharp edges from tubing.





PVC Pipe Cutters

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



1



Release safety lock and pull handles open with both hands.

2



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

3



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

4



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

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

70080
Replacement
Blade

70121
Replacement
Spring



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

Tubing Tools





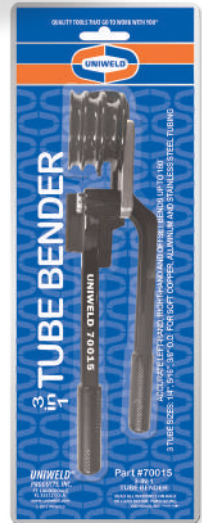
Tubing Benders

The Uniweld 3-in-1 Triple Tube Bender, a compact and durable tool with multiple bending channels, is capable of bending $\frac{1}{4}$ ", $\frac{5}{16}$ " and $\frac{3}{8}$ " 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° with 1" bend radius.

**3-in-1
Triple Tube
Bender**

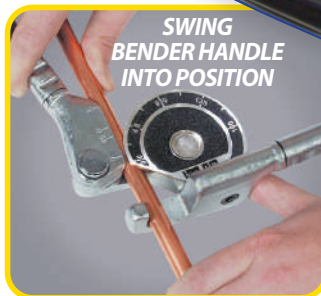
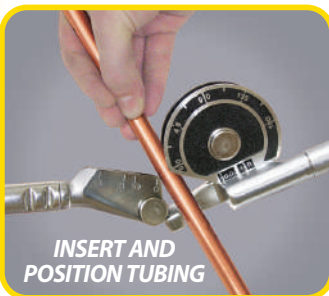


70015

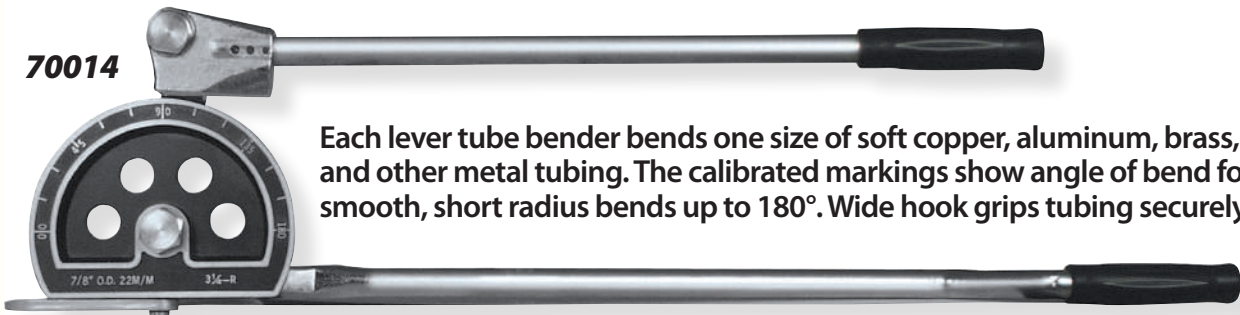


70010

**Lever Type
Tube Benders**



70014



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

Part#	Description	Tube Diam.	Bend Radius	Part#	Description	Tube Diam.	Bend Radius
70010	Bender	$\frac{3}{8}$ " O.D.	1"	70012	Bender	$\frac{5}{8}$ " O.D.	2 $\frac{1}{4}$ "
70011	Bender	$\frac{1}{2}$ " O.D.	1 $\frac{1}{2}$ "	70013	Bender	$\frac{3}{4}$ " O.D.	3"
				70014	Bender	$\frac{7}{8}$ " O.D.	3 $\frac{1}{4}$ "





Ratchet Tube Bender

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



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



RTB118

Tubing Tools

Part# Description

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



Minimum distortion bends up to 90°



70028
Spring Bender Set

Spring Tube Benders

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

Part# Description

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



UniWeld Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Customer Service: 800.323.2111
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Ratchet Screwdrivers

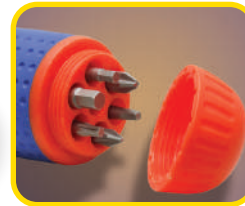
20 'N' 1 Ratchet Screwdriver

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

3 Ratchet Driver settings: Forward/Reverse/Manual



Display Package



12 Bit Storage Area

1/4" Nut Driver



5/16" Nut Driver

20N1RSD



7/16" Nut Driver



Wire Bender
(up to 12 gauge)



Valve Core
Removal Tool



Valve Core
Pick Extractor

Removes
Broken
Valve Core

3/16" Slotted



RSDBIT1



#1 Phillips

T-10 Torx



RSDBIT5



T-15 Torx

1/4" Slotted



RSDBIT2



#2 Phillips

5/32" Allen



RSDBIT6



1/8" Allen

5/16" Slotted



RSDBIT3



#3 Phillips

1/4" Allen



RSDBIT7



3/16" Allen

S-1 Square



RSDBIT4



S-2 Square

Valve Core
Pick Extractor



RSDBIT8



Valve Core
Removal Tool

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

#1 Phillips



RSDBIT1



Magnetized

3/16" Slotted



3 Ratchet Driver settings:
Forward/Reverse/Manual

#2 Phillips



RSDBIT2



Magnetized

1/4" Slotted



1/4" Nut Driver



5/16" Nut Driver





Ratchet Wrenches+

Reversible & Offset Ratchet Wrenches

Double-end Reversible Ratchet Wrenches designed for clearance in tight work areas. Chrome plated, heat-treated alloy steel, strong gear teeth and easy-flip reversing mechanism.
BONUS! Dual Hex Valve Adapter Included.



70022

Standard Reversible Ratchet Wrench + Dual Hex Valve Adapter

Use for compressor access valves and Acetylene B & MC tank valves.

Square openings:

1/4" and 3/16" at one end;
3/8" and 5/16" at other end.



70074

Offset Reversible Ratchet Wrench + Dual Hex Valve Adapter

Use for compressor access valves and Acetylene B & MC tank valves.

Square openings:

1/4" and 3/16" at one end;
3/8" and 5/16" at other end.s



70075

Heavy Duty Offset Reversible Ratchet Wrench + DHW316 Hex Adapter

Hex openings: 1/2" and 9/16" at one end; Square openings: 1/4" and 3/16" at other end



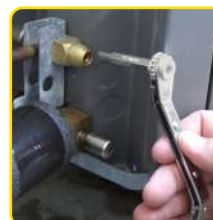
Patent No. 9,328,870



DHVA
5/16" Square Socket
Fits UniWeld
70022 and 70074
Reversible Ratchet
Wrenches

Dual Hex Adapters

Dual Hex Valve Adapters for use on 3/16" and 5/16" hex liquid and suction valves on residential and commercial equipment. Heat treated zinc plated steel to prevent rust.



DHW316
1/4" Square Socket
Fits UniWeld
70022, 70074 and
70075 Reversible
Ratchet Wrenches



Tubing Tools



UniWeld Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Customer Service: 800.323.2111
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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.



GT565

Round Tridicator Gauge

Large 2½" center back mount
x 2" Extension.



GT512-2
Bottom Mount

3½" Square Tridicator Gauges

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



GT562-2
Lower Back Mount

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

Pocket Bi-Metal Thermometer

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



69901

-40°F to 160°F
-40°C to 70°C



69902

-0°F to 220°F
-10°C to 104°C



Protective
sheath with
pocket clip





Check your Pressure

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.

Use this accurate kit 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 and removing the dial lens to access the zero adjusting screw.

Part# Description

45503 Scale: 0-35" W.C., 0-20 oz./in²

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



45503
Gas Pressure
Test Kit



11482

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

Water Manometer

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



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Gas Test Gauges

Use to pressure test all new installations for leaks and inspection codes. After installation and the system has been pressurized, the leakage will be indicated by a pressure drop on the gauge.



TGB6



TGH30
Side Mount



GP210-5



TGB30
Top Mount

	Replacement Gauge	1/2" FPT	*Top Mount 3/4" FPT	1" FPT	Side Mount 3/4" FPT
15 psi, 2" 1/10 lb. incr. Full Scale	GP210-5	TGB215	TGB15	TGB115	TGH15
30 psi, 1/4 lb. incr., 2"	GP211-5	TGB230	TGB30	TGB130	TGH30
60 psi, 1 lb. incr., 2"	GP212-5	TGB260	TGB60	TGB160	TGH60
100 psi, 1 lb. incr., 2"	GP213-5	TGB2100	TGB100	TGB1100	TGH100
**0-6 psi/1/10 lb., 0-12 in. of Mercury, 4" [100mm]	GD408IP	TGB206	TGB6	TGB106	TGH6
0-15 psi/1/10 lb., 0-30 in. of Mercury, 4" [100mm]	GS410-5IP	TGB4215	TGB415	TGB4115	TGH415

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

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

Water Test Gauges

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



TGW300DP





Utility Gauges

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	1½" Diameter				2" Diameter				2½" 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#	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
3000*	GS122	GS172	-	-	GS222	GS272	-	-	GS322	GS372
4000*	GS123	GS173	-	-	GS223	GS273	-	-	GS323	GS373
5000*	GS124	GS174	-	-	GS224	GS274	-	-	GS324	GS374
6000*	-	-	-	-	GS225	GS275	-	-	GS325	GS375

NOTE: The following alternate options are available: [1] Stainless steel case in 1½" 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] 1½" "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.

2" High Pressure CO₂ Gauges

2" High Pressure, Black Steel Gauge Case with red zone for gas order alert. For use with CO₂ or other compressed gases. Not for Oxygen service.

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



GS243

UL Listed

RHT - Right Hand Thread, 1/4" NPT
LHT - Left Hand Thread, 1/4" NPT



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



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



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



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

Gauges/Thermometers





Liquid Filled Gauges

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



2 1/2"
(63mm)
Gauge
1/4" NPT
Bottom
Mount

GSL311-3



G51D



Green
Face with
White
increments **G55D**

Flowgauges and Medical Gauges

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

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

Part#	UPC#	Flow Gauges
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	54117	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	54218	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	54548	2" Gauges [1/4" NPT] Steel Case 20-100 SCFH, CO ₂ Calibrated for 67 Dr./.032 Orifice [60 PSI Max.]
G86SD	54549	2" Gauges [1/4" NPT] Steel Case 10-50 SCFH, CO ₂ Calibrated for 69 Dr./.029 Orifice [60 PSI Max.]
G55D	54106	1 1/2" Gauges [1/8" NPT] Chromed Case 15 LPM, Plated Socket, Oxy Calibr. for 73 Dr./.024 Orifice [60 PSI Max.]
G54D	54105	1 1/2" Gauges [1/8" NPT] Chromed Case, Brass Socket 4000 PSI.
G62D	54211	2" Gauges [1/4" NPT] Chromed Case 15 LPM, Brass Socket, Oxy Calibr. for 77 Dr./.018 Orifice [120 PSI Max.]
G63D	54212	2" Gauges [1/4" NPT] Chromed Case, Brass Socket 4000 PSI.





Welding 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.
WITH WEEP HOLE**

**Brass
Case
B.M.**

**Brass
Case
C.B.M.**

**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*	-	-	-	-	-	-
30 PSI [Red Line 15-30]	G79D	-	G2D	-	G2SD	G22D	G22SD
30 PSI	G80D	-	G74D	-	G74SD	G75D	G75SD
60 PSI	G83D*	-	G5D	G105	G5SD	G25D	G25SD
100 PSI	G49D*	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, FULL	G19D*	-	-	-	-	-	-
600 PSI	-	-	G8D	G108	G8SD	G28D	G28SD
1000 PSI	-	-	G34D	-	G34SD	-	-
3000 PSI, LISTED	-	-	-	-	G3SD	-	-
4000 PSI, LISTED	G56D*	G182	G7D	-	G7SD	G27D	G27SD
6000 PSI, LISTED	-	-	G44D	-	G44SD	G46D	G46SD

B.M. = Bottom Mount. C.B.M. = Center Back Mount. * With Gauge Boot.

** For 1/8" NPT add [-4] to Part Number.

Replacement Lenses



GB15S
1 1/2"
Gauge
Boot Set
Black

	Part#	1½" Description	Part#	2" Description	Part#	2½" Description
DISPLAY CARD	PL15	Posi-Lock	PL2	Posi-Lock	PL25	Posi-Lock
BULK	05-1-52	Flat Plastic	05-2-52-4	Flat Plastic	05-3-52-8	Posi-Lock
	05-1-52-7	Posi-Lock	05-2-52-7	Posi-Lock		
	05-1-63	Friction Ring	05-2-63-2	Friction Ring		



GB20S
2"
Gauge
Boot Set
Black



Uniweid Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Customer Service: 800.323.2111
info@uniweid.com • www.uniweid.com

Gauges/Thermometers



Alloys

UNIBRITE 1450A Acid Flux Cored Silver Bearing Solder

It is a high strength acid core silver bearing soft solder that is free of cadmium, zinc and lead. 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.



	Part#	Description	Solidus Melting Point
UNIBRITE 1450A	B1KD9	1/16" X 10'	430°F [221°C]

UNI-1450 Soft Soldering Flux #F4CYG

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



F4CYG
4 oz.
Bottle

UNI-1000 Silver Brazing Flux #F19YJ

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



F19YJ
7 oz. Jar

UNI-BRITE 1450A



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



UNI-1500FC

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

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



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.



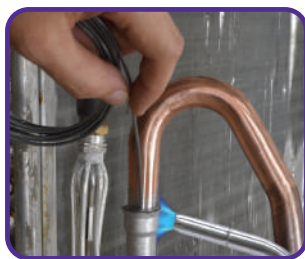


Aluminum Alloys

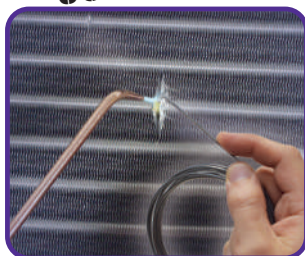
ALUMA-BRAZE™ – UAB



UAB



**ALUMINUM
TO COPPER
ALUMINUM
COIL REPAIR**



- All-in-one flux cored aluminum brazing alloy
- Continuous coil produces less wasted material than brazing rods
- Cadmium free zinc-aluminum brazing filler metal
- Flux inner core means no manual flux application is required
- Low temperature self-fluxing alloy ideal for brazing aluminum to aluminum or aluminum to copper
- Applications include HVAC and Refrigeration repairs, patching holes in aluminum coils and brazing a copper to aluminum transition fitting

Solidus: 800°F/427°C Liquidus: 900°F/482°C
.078" x 100" Approx. (1.9812mm x 2540mm)



**Scan for
Product
Video**



UNI-4300 Aluminum Solder Kit

Uniweld's UNI-4300 aluminum soft solder kit with metal tip flux applicator has a low melting point of 500°F [260°C] and 20,000 PSI tensile strength and 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.

**JOINS
ALUMINUM,
COPPER
AND
BRASS**



**Scan for
Product
Video**

UNI-4200 Self Fluxing Aluminum Rods

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

P4KD9S

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
F6CYL	UNI-4300 1 oz. Flux Bottle



P3KH9



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Alloys



Vacuum Pumps



HUMM-VAC VACUUM PUMP REPLACEMENT PARTS (AFTER 2019)

Ref#	Part#	Description	Ref#	Part#	Description
2	HVP101	Exhaust Dome for HVP6, HVP8, and HVP12 for All Models	22	HVP113	Capacitor 200µF for HVP12 (After 2019)
16	HVP102	Oil Drain Fitting, Brass Flat Slotted with O-Ring for U5VP2, HVP6, HVP8, HVP12 All Models	12	HVP114	Handle with (4) Bolts for HVP6, Yellow for All Models
4	HVP103	Gas Ballast for HVP6, HVP8 and HVP12 (After 2019)	12	HVP115	Handle with (4) Bolts for HVP8, Red for All Models
5	HVP104	Intake Fitting with Check Valve & Tethered Caps for HVP6, HVP8 and HVP12 for All Models	12	HVP116	Handle with (4) Bolts for HVP12, Black for All Models
17	HVP105	Platform Steel Base with Rubber Feet and (4) Bolts for HVP6 and HVP8 (After 2019)	20	HVP117	Metal Fan Cover with (4) Screws for HVP6, Yellow (After 2019)
17	HVP105A	Platform Steel Base with Rubber Feet and (4) Bolts for HVP12 (After 2019)	20	HVP118	Metal Fan Cover with (4) Screws for HVP8, Red (After 2019)
11	HVP106	6 Ft. Power Cord for U5VP2, HVP6, HVP8 and HVP12 for All Models	20	HVP119	Metal Fan Cover with (4) Screws for HVP12, Black (After 2019)
21	HVP107	Capacitor Box with (4) Screws and (4) Washers for HVP6 and HVP8 (After 2019)	13	HVP120	Oil Reservoir with Sight Glass and (4) Bolts for HVP6, Yellow (After 2019)
21	HVP108	Capacitor Box with (4) Screws and (4) Washers for HVP12 (After 2019)	13	HVP121	Oil Reservoir with Sight Glass and (4) Bolts for HVP8, Red (After 2019)
9	HVP109	Dual Voltage Switch for HVP6, HVP8 and HVP12 (After 2019)	13	HVP122	Oil Reservoir with Sight Glass and (4) Bolts for HVP12, Black (After 2019)
8	HVP110	Power On/Off Rocker Switch for HVP6, HVP8 and HVP12 (After 2019)		HVP123	Repair Kit for HVP6 HUMM-VAC Vacuum Pump, Yellow (After 2019)
10	HVP111	Power Socket Outlet for HVP6, HVP8 and HVP12 for All Models		HVP124	Repair Kit for HVP8 HUMM-VAC Vacuum Pump, Red (After 2019)
22	HVP112	Capacitor 100µF for HVP6 and HVP8 (After 2019)		HVP125	Repair Kit for HVP12 HUMM-VAC Vacuum Pump, Black (After 2019)

Repair Kits Include: First stage front rotary vanes and springs, second stage back rotary vanes and springs, trap intake O-Ring, trestle trap O-Ring, shaft seal, oil reservoir O-Ring, set of 2 cartridge exhaust valve

HUMM-VAC VACUUM PUMP REPLACEMENT PARTS (BEFORE 2019)

Ref#	Part#	Description	Ref#	Part#	Description
3	42252	Oil Drain Fitting, Hex with O-Ring for HVP6, HVP8 and HVP12 (Before 2019)	8	42261	Electrical On/Off Rocker Switch for HVP6, HVP8 and HVP12 (Before 2019)
4	42253	Gas Ballast with O-Ring for HVP6, HVP8 and HVP12 (Before 2019)	9	42262	Voltage Slide Switch for HVP6, HVP8 and HVP12 (Before 2019)
6	42257	Chassis Base With Bolt (Set of Two) Yellow for HVP6 (Before 2019)	13	42275	Oil Reservoir with Sight Glass and (4) Bolts for HVP8, Red (Before 2019)
7	42260	Base Rubber Feet with Bolt and Washer (Set of Two) for HVP6, HVP8 and HVP12 (Before 2019)	13	42276	Oil Reservoir with Sight Glass and (4) Bolts for HVP12, Black (Before 2019)

VACUUM PUMP REPLACEMENT PARTS

Ref#	Part#	Description	Ref#	Part#	Description
1	42250	Exhaust Dome with O-Ring for UVP1.5 & UVP5	18	VP522	Handle for U5VP2
14	42280	Oil Reservoir with Sight Glass and (4) Bolts for UVP5	17	VP567	Platform Steel Base with Rubber Feet for U5VP2
5	42281	Intake Fittings (1/4" X 3/8") with Tethered Caps and Check Valve for UVP5	20	VP577	Metal Fan Cover for U5VP2
1	VP502	Exhaust Dome with O-Ring for U5VP2	19	VP586	Electrical On/Off Rocker Switch for U5VP2
14	VP5124	Oil Reservoir with Sight Glass for U5VP2	15	VP587	Intake Fitting 1/4" and 3/8" with Tethered Caps for U5VP2



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Flame Tools Safety Training



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

COURSE NAME: FLAME TOOLS SAFETY TRAINING

NATE COURSE# 6111-0001

CONTINUING EDUCATION HOURS (CEH): 2 HOURS

COURSE OVERVIEW: A field training course that lasts approximately 2 hours with lectures, discussions and demonstrations.

REQUIRED TOPICS:

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

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

This course applies to the following NATE course outlines:

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

NATE is a registered trademark of the North American Technician Excellence, Inc.



Uniweld Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Customer Service: 800.323.2111
info@uniweld.com • www.uniweld.com



Marketing/Sales Aids



English
Safety Poster
Part #USP8E

Spanish
Safety Poster
Part #USP8S



SAFETY POSTERS



French
Safety Poster
Part #USP8F

Arabic
Safety Poster
Part #USPA





Marketing/Sales Aids



BANNER

Vinyl Banner 24"x 35" with Grommets
Part #BANNER-HVACR



DISTRIBUTOR DECAL

English Part #L002E
Spanish Part #L002S



Digest Size
5.5" X 7"
Part #UGACATD

Standard Size
8.5" X 11"
Part #UGACAT

CATALOGS



UNIWELD CAP

Part #UNIWELDCAP



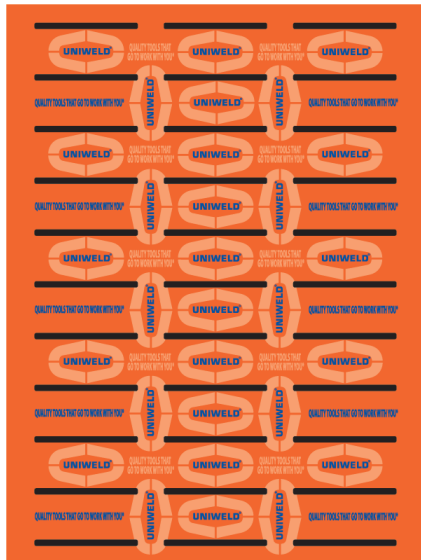
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Marketing/Sales Aids

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

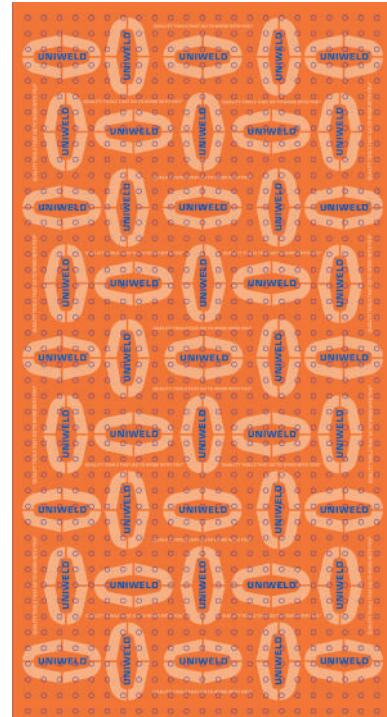
SLATWALL COVERS



(24" x 32")

Part #UWVSWC Slatwall Vinyl Cover w/tape

PEGBOARD COVERS



(24" x 47")

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

Part #PHCH Black Plastic Cover Pegs)

UNIWELD HEADERS



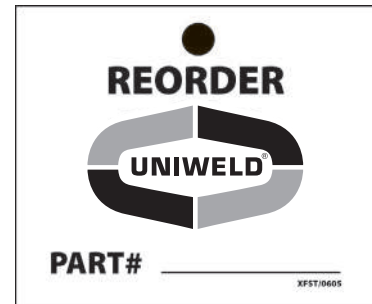
(24.5" x 8.5")

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

Part #UWPH Pegboard Header w/Black Button Pegs

Part #UWSWH Slatwall Header w/Double Sided Tape

REORDER TAG



Part #XFST Reorder Tag





Marketing/Sales Aids

SILENT SALESMAN – COUNTER MATS



Part #CM001

HUMM-VAC Vacuum Pumps



Part #CM002

SmarTech Wireless Digital Manifold USMAN 145



Part #CM003

SmarTech Refrigerant Scale



Part #CM004

HVACR Products



Part #CM005

CAP'N HOOK® Oxyacetylene Outfit & Tips



Part #CM013

Twister & Twister Ignite Kits and Tips



Part #CM014

Ball Valves Vacuum Rated to 20 Microns



Part #CM015

MAXEVAC Pro and Basic Evacuation Kit





Marketing/Sales Aids

MERCHANDISING GONDOLA DISPLAY



Part # GONDOLA

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





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HVAC/R & PLUMBING EQUIPMENT CATALOG

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



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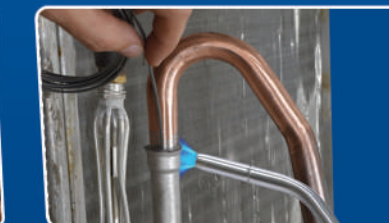
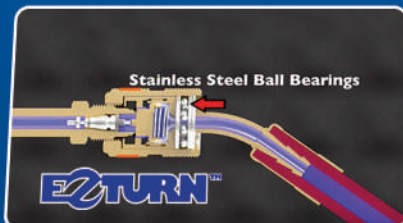
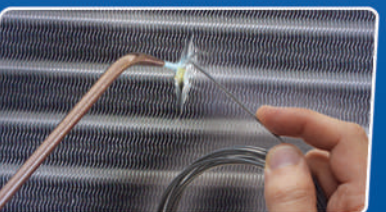
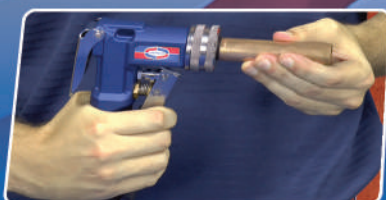


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