QUALITY TOOLS THAT GO TO WORK WITH YOU'



HVAC AND REFRICERATION TOOLS







Uniweld Products, Inc. is a U.S. manufacturing company headquartered in Fort Lauderdale, Florida. Established in 1949 on farmland in the Dania Beach area, the company has grown and expanded into one of the major manufacturers in the welding, HVAC/R (Heating, Ventilation, Air-Conditioning and Refrigeration), plumbing, and alloys markets.

Uniweld's product line includes U.S. made welding, cutting, brazing and heating outfits, refrigeration tools, vacuum and charging hoses, welding, brazing and cutting tips, accessories, pressure gauges and alloys. Uniweld operates and maintains distribution facilities in Florida, Texas, California, Ontario, and Saskatoon, and has sales offices and reprentatives in South America, Middle East and the India. Uniweld takes pride in its manufacturing excellence, product innovation, financial stability, community, and genuine concern for its customers and the environment throughout the world.





The Uniweld exclusive HUMM•VAC® Pumps remove moisture and dehydrate a system quickly and efficiently by using synthetic oil which absorbing dust and moisture than mineral oil. 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.

FEATURES

Solenoid check valve to protect the refrigeration system from oil contamination during power outage. Gas ballast valve for reduction of water vapor in the oil container.



	Pu	m	p	
ne	cifi	ca	tic	ns

	Specifications	UVP5.5	HVP6	HVP8	HVP12
	Free Air Displacement	5.5 CFM, 155 liter/min	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	2-Stage Rotary Vane
	Factory Micron Rating	15 Microns	15 Microns	15 Microns	15 Microns
	Intake Fittings	1/4" and 3/8" Male Flare	1/4" & 3/8" Male Flare; 1/2" Acme	1/4", 3/8" & 1/2" Male Flare	1/4", 3/8" & 1/2" Male Flare
HUMM-VAC®	Thermal Overload Protection	1/4 HP	1/2 HP	3/4 HP	3/4 HP
Pumps	Voltage	110/220V - 50/60Hz	110/220V - 50/60Hz	110/220V - 50/60Hz	110/220V - 50/60Hz
*Optional	Oil Capacity	15.2 0z [450ml]	1 Quart [946ml]	31.3 Ounces [925 ml]	27.7 Ounces [820 ml]
Int'l Power Cord Available	Power Cord*	India -Type D Plug	72" [1.83m], India -Type D Plug	72" [1.83m], India -Type D Plug	72" [1.83m], India -Type D Plug
on request	Dimensions	13.9" x 5.5" x 10.2" 35.3 cm x 40 cm x 26 cm	14.50" x 6.875" x 10.75" 36.83 cm x 17.46 cm x 27.30 cm	15.0" x 6.875" x 10.75" 38.1 cm x 17.46 cm x 27.3 cm	15.0" x 6.875" x 10.75" 38.1 cm x 17.46 cm x 27.3 cm
	Weight	22.05 lbs. [10 kg]	26 lbs. [11.80 kg]	34 lbs. [15.42 kg]	35 lbs. [15.88 kg]
	Shipping Weight	25.20 lbs. [11.4 kg]	30 lbs. [13.60 kg]	38 lbs. [17.24 kg]	39 lbs. [17.70 kg]
	Color		Yellow	Red	Black





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.

DUAL INTAKE FITTING



Vacuum Pump Oil

CHECK

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

Remember: A vacuum pump can only pull a vacuum as deep as the vapor pressure of the sealing oil.

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





Digital Vacuum Gauge

Uniweld's SmarTech™ Digital Vacuum Gauge works brilliantly with the new Fast-Flo® Hose Set. It conveniently connects to the EZ Access "T" Fitting™ on the Blue EZ Turn™ hose and provides extremely accurate vacuum readings on a large backlit LCD screen. Packed with features, the Digital Vacuum Gauge is durable and small enough to fit in your shirt pocket. Includes 1/4" F.F. brass adaptor, protective rubber boot, and (2) 'AAA' batteries.





UVG

Specifications

Oil Sensor Indicates when Gauge needs Cleaning & Eliminates False Readings

Self-Calibration with No Reference Needed

Sensor Withstands Overpressure Up to 500 PSI

Large, High Visibility Back-Lit LCD Display

1	Range	Resolution	Accuracy	Operating Temperature	Battery Life	Units
Products	0-25,000	1 Micron	5% of Reading	-10 °F to 122°F/	Up to 100 Hours	Microns, Pa
Information	Microns	(<1,000 Microns)	+/-5 Microns	-12 °C to 50 °C		mBar, mmH





2 Valve Brass Manifold with 80 mm NPF[™] Gauges



Man, What a Manifold®



The patented Uniweld forged brass body is manufactured with reseatable Tefon® valve stem packing for durability and leakproof reliability. These user-friendly, accurate, manifolds feature: • NPF® No Pointer Flutter® 31/." 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 fttings. Man, What a Manifold!

Part#	Gauge Size	Description	Refrigerants
QS8N	80 mm NPF®	No Hoses	R-410A/R-22/R-404A/R-134a-PSI/°F
QS8N3SM-S	80 mm NPF°	3ft. Soft Magic® Barrier Hose Set	R-410A/R-22/R-404A/R-134a-PSI/°F
QS8N3SM410A-5	80 mm NPF®	3ft. Soft Magic® Barrier Hose Set with 1/4" X 5/16" Connection	R-410A/R-32





2 Valve Brass Manifold with 63 mm LPF[™] Gauges





The patented Uniweld forged brass body is manufactured with reseatable Tefon® valve stem packing for durability and leakproof reliability. This user-friendly, accurate, manifold features:

• Limited Pointer Flutter™, easy-to-read 2¹/₂″ 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 ³/₂ 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#	Size	Description	Refrigerants
	QAL	63 mm LPF™	No Hoses	R-22/R-404A/R-134a-PSI/°F
	QAL3SM	63 mm LPF™	3ft. Soft Magic® Hose Set	R-22/R-404A/R-134a-PSI/°F
l	QAL5SM	63 mm LPF™	5ft. Soft Magic* Hose Set	R-22/R-404A/R-134a-PSI/°F
	QAL6SM	63 mm LPF™	6ft. Soft Magic* Hose Set	R-22/R-404A/R-134a-PSI/°F
	QAL3SMEZ	63 mm LPF™	3ft. Soft Magic® EZ-Turn Anti-Blowback Hose	Set R-22/R-404A/R-134a-PSI/°F



The patented Uniweld forged brass body is manufactured with reseatable Tefon® valve stem packing for durability and leakproof reliability. This user- friendly, accurate, manifold features: • Limited Pointer Flutter™, easy-to-read 2¹/₂" 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 fttings). Man, What a Manifold!

Part#	Gauge Size	Description	Refrigerants
QS4L	63 mm LPF™	No Hoses	R-410A/R-22/R-404A-PSI/°F
QS4L3H-5	63 mm LPF™	3ft. Soft Magic® Barrier Hose Set	R-410A/R-22/R-404A-PSI/°F
QS4L3H410A-5	64 mm LPF™	3ft. Soft Magic* Barrier Hose Set with 1/4" X 5/16" Connection	R-410A/R-22/R-404A-PSI/°F
QS4L5H-5	63 mm LPF™	5ft. Soft Magic® Barrier Hose Set	R-410A/R-22/R-404A-PSI/°F
QS4L6H-5	63 mm LPF™	6ft. Soft Magic® Barrier Hose Set	R-410A/R-22/R-404A-PSI/°F
QS4L3HEZ	63 mm LPF™	3ft. Red & Blue Soft Magic® Barrier EZ Turn Anti-Blowback Hose & Yellow Valve Hose	R-410A/R-22/R-404A-PSI/°F





Wireless Digital Manifold

The Uniweld SmarTech Wireless Digital Manifold communicates with your Android or iOS smart device using our free downloadable app. The SmarTech app, with 109 refrigerant profles, calculates and displays the system's real time pressures, temperatures, Superheat and Subcooling in a user friendly format.

SmarTech's digital accuracy takes the guess work out of properly charging a system for maximum efciency and optimal performance.

Unexpectedly More!

Isn't it time to give your brain a rest? Work smarter with Uniweld's SmarTech Wireless Digital Manifold...



ACCURATE TEMPERATURE

Red and Blue Temperature Clamps, K-Type with 6 Ft. Lead and (2) K-Type Thermocouple Bead Probes









UNIWELD



FAST-FLO® 3X TIMES FASTER FLOW

5 Ft. Fast-Flo* 3/8" Charging & Vacuum hose with unrestricted full fow ball valve...more than 3 times faster vacuum than with standard 1/4" hoses.





EZ TURN® ANTI-BLOWBACK HOSES

5 Ft. Red and Blue Hoses with EZ® Turn
Anti-Blowback Fittings that feature our
exclusive thrust bearing that reduces friction
so the service hose can be easily connected
to the access fitting while under pressure.
(Patents Pending)



EZ ACCESS "T" FITTING"

Multi function ¼" Male Flare "T" Fitting built into the blue hose for connecting a Micron Gauge or Simplifed Purging and Charging Refrigerant. Micron Gauge Not Included. (Sold Separately). (Patents Pending)

Export a SmarTech Verified Report and email system performace data as a PDF or CSV file that can be easily tracked and saved.

2 valve aluminum manifold body with Fast-Flo* 3/8' center port, easy grip handles, double O-ring piston valves and easy access front hose holders

REPORT

Uniweld Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Contact No. 9899775796 arunsharma@uniweld.com - www.uniweld.com



Wireless Digital Manifold



SPECIFICATIONS

Pressure Measuring Range: -29.9 to 0 to 650 psig

psig, bar, kPa, Kg/cm2 Pressure Reading:

0.1 psig, 0.01 bar, 0.01 kPa, 0.01 Kg/cm2, 0.1 inHg **Pressure Resolution:**

Pressure Accuracy: inHg: -29.9 to 0, ± 2

PSIG: 0 to 200, ±1; 200 to 650 ± (0.3% reading +1)

BAR: 0 to 13.79, ± 0.07; 13.79 to 44.82, ± (0.3% reading + 0.07)

kPa: 0 to 1379, ±7; 1379 to 4482, ± (0.3% reading +7)

Kg/cm2: 0 to 14.06, ± 0.07; 14.06 to 45.71, ± (0.3% reading + 0.07)

Proof Pressure: Pressure w/o internal damage 800 psig

Burst Pressure: Pressure w/o loss of seal 2000 psig

Temperature Clamps: K-Type Thermocouple with 6 ft. lead

Temperature Sensor Range: -40 °F to 266 °F (-40 °C to 130 °C)

Temperature Accuracy: ± 2 °F, ± 1 °C

Temperature Resolution: 0.1 °F or °C

6 x AA **Batteries:**

Battery Life: 150 hours without backlight and wireless

Settings; 30 Min., 60 Min., 120 Min. or Manual On/Off (60 Min.) Auto Power Off:

Screen Display: LCD with On/Off Display Backlight







USCASE





EZT5B

HD5BV

0 0



EZ5R

A3814A



FEATURES

Measures High and Low Side Pressure and Temperature

SmarTech App (Free Download) for compatible iOS and Android smart devices*

Superheat and Subcool Automatically calculated in real time by the SmarTech App

Smart Charge Zone™ - Color coded differential for accurate "In the Zone" system charge

Wirelessly connects to BLE or Bluetooth® 4.0 compatible smart device.

Export a SmarTech Verified Report and email system performance data as a PDF or CSV file

Protective Rubber Boot and easy access double zipper padded case with storage pockets

109 NIST Refrigerant Profiles included: SmarTech App upgradeable with free updates

PART# USMAN5

INCLUDES: (1) Blue and (1) Red Temperature Clamp K-Type with 6 Ft. Lead, (2) Thermocouple Bead Probes, (1) Red 5 Ft. EZ Turn Hose, (1) Blue 5 Ft. EZ Turn Hose with 1/4" Male Flare "T" Fitting, (1) 5 FT. Fast-Flow® Black 3/8" Vacuum and Charging Hose with Ball Valve, (1) Adaptor 3/8"MF x 1/4"FF, SmarTech™ Protective Padded Case, (6) AA Batteries and (10) 5" Velcro Cable Tie Straps.







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.

Uniweld's 21/2" 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.





Competitor's "Vibration Free" Gauge

Size	Part#	Gauge Type	Case	Pressure/Temperature Scale
	G30LD-5	LPF™/Low Pressure	Blue	R-134a/R-12/R-22 PSI-kg/cm2-°F PSI-kg/cm2-°C
2'/,"	G29LD-5	LPF™/High Pressure	Red	R-134a/R-12/R-22 PSI-kg/cm2-°F PSI-kg/cm2-°C
[63 mm]	G530LD-5	LPF™/Low Pressure	Blue	R-410A/R-22/R-404A PSI °F PSI-kg/cm2-°C PSI-kPa°C
	G529LD-5	LPF™/High Pressure	Red	R-410A/R-22/R-404A PSI °F PSI-kg/cm2-°C PSI-kPa°C
	G430ND-5	NPF™/Low Pressure	Blue	R-410A/R-22/R-404A/R-134a PSI-kg/cm2-°F PSI-kg/cm2-°C
31/,"	G429ND-5	NPF™/High Pressure	Red	R-410A/R-22/R-404A/R-134a PSI-kg/cm2-°F PSI-kg/cm2-°C
[80 mm]	G330ND-5	NPF™/Low Pressure	Blue	R-410A/R-32 PSI °F PSI-kg/cm2-°C PSI-kPa°C
	G329ND-5	NPF™/High Pressure	Red	R-410A/R-32 PSI °F PSI-kg/cm2-°C



Uniweld's NPF® Gauge



PSI-kPa°C

Premium fexible barrier Ball Valve hose with standard fttings



HC3SMB410A

HC5SMB410A

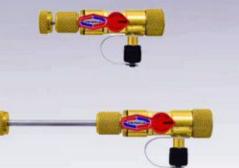
Soft Magic®Barrier/Ball Valve Hose & Valve Core Removal Tool





Part#	Specification	Pressure
H3BVS	36 IN. (3feet) Ball Valve Hose Set (R,Y,B)	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
H5BVS	60 IN. (5feet) Ball Valve Hose Set (R,Y,B)R,Y,B)	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
H6BVS	72 IN. (6feet) Ball Valve Hose Set (R,Y,B)	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi

Max. Working Pressure : 800 psi Burst Pressure : 4000 psi



SPECIFICATIONS

60 IN. (5feet) Soft Magic® Barrier Hose Set (R,Y,B) (1/4" x 5/16")

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

Temporarily remove valve cores for unrestricted flow, providing faster recovery,

evacuation and recharge of the system.

Optional 1/4" side port to attach and isolate a vacuum gauge at the system.

Part#	Specification
92838	1/4" Valve Core Removal Tool with 1/4" Side Port Fitting
92868	5/16" R-410A Mini Split Valve Core Removal Tool with 1/4" Side Port Fitting

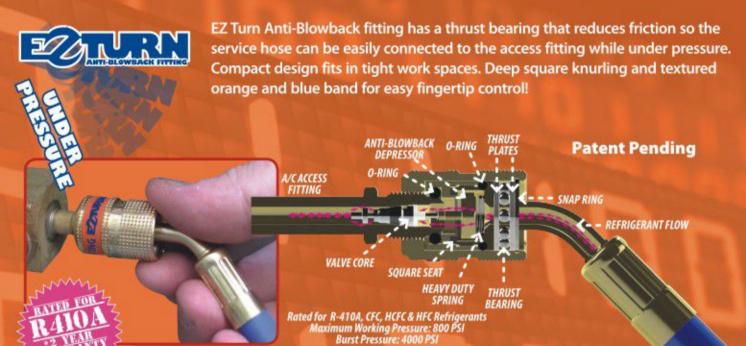




Premium fexible barrier Valve hose with anti-blowback fittings



Soft Magic®Barrier Hose



Part#	Specification	Pressure
EZ3HS	36 IN. (3feet) EZ Turn Hose Set (R,Y,B) (1/4" x 1/4")	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
EZSHS	60 IN. (5feet) EZ Turn Hose Set (R,Y,B) (1/4" x 1/4")	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
EZ6HS	72 IN. (6feet) EZ Turn Hose Set (R,Y,B) (1/4" x 1/4")	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
EZM3HS	36 IN. (5feet) EZ Turn Hose Set (R,Y,B) (1/4" x 5/16")	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
EZMSHS	60 IN. (6feet) EZ Turn Hose Set (R,Y,B) (1/4" x 5/16")	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi
EZM6HS	72 IN. (5feet) EZ Turn Hose Set (R,Y,B) (1/4" x 5/16")	Max. Working Pressure : 800 psi Burst Pressure : 4000 psi

EZ TURN ANTI-BLOWBACK ADAPTORS

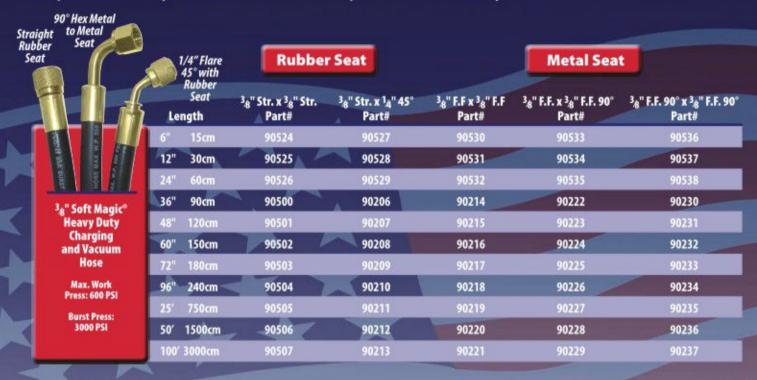
Part#	Specification	ESTURM	EZWAN
EZAB	Straight 1/4″ M.F. x 1/4″ F.F.		
EZABM	Straight 1/4" M.F. x 5/16" F.F.		
		EZAB	EZAB90



Heavy Duty Charging and Vacuum Hoses



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



		Rubber Seat			Metal Seat		Metal Seat	
	Ler	1 ₂ " S	tr. x ½" Str. Part#	58" Str. x 58" Str. Part#	½" F.F. x ½" F.F. Part#	⁵ 8" F.F. x ⁵ 8" F.F. Part#		³ 4" F.F. x ³ 4" F.I Part#
12" & 34"	36"	90cm	90238	90246	90508	90254	r	H3D3M
Soft Magic®	48"	120cm	90239	90247	90509	90255	Heavy	H3D4M
Heavy Duty Charging	60"	150cm	90240	90248	90210	90256	Duty Charging	H3D5M
and Vacuum	72"	180cm	90241	90249	90211	90257	Hi-Vacuum Hose	H3D6M
Hose	96"	240cm	90242	90250	90212	90258	11.032	H3D8M
Max. Work Press: 350 PSI	25'	750cm	90243	90251	90213	90259	Max. Work Press: 350 PSI	H3D25M
Burst Press:	50'	1500cm	90244	90252	90214	90260	Burst Press:	H3D50M
1987 PSI	100'	3000cm	90245	90253	90215	90261	1987 PSI	H3D100M

See HVAC/R Price List for details.		Part#	Description
		HDX14N-10	Pkg. of [10] Rubber Gaskets [3 ₈ " Fittings]
Hex Female Flare Metat to Metal Seat	Replacement	HFX38-10	Pkg. of [10] Copper Flare Gaskets [38" Fittings]
metat to metal seat	Parts	HD1X14N-10	Pkg. of [10] Rubber Gaskets [12" & 58" Fittings]
		HFX12-10	Pkg. of [10] Copper Flare Gaskets [1 ₂ " Fittings]



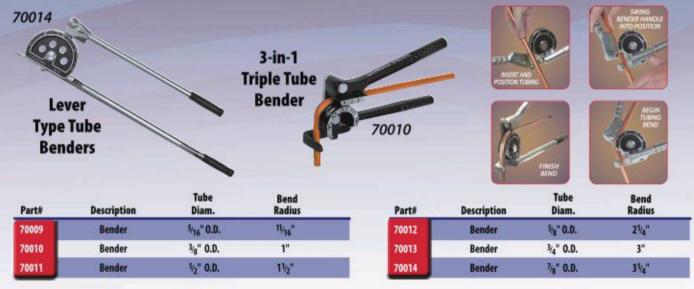


Uniweld's CrossBow™ Ratchet Tube Bender enables plumbers and HVAC/R technicians to make precision bends up to 90° with soft copper and aluminum tubing. The low friction mandrels and rotating side support blocks provide precision bending in restricted spaces. Bend tubing sizes: 3/8″, 1″, 5/8″, 3″, 7/8″, 11/8″ O.D. You can produce bends with mini mum distortion for optimal fow. Repeated alternate angled bends are possible with the CrossBow™ Ratchet Tube Bender, housed in a rugged plastic carrying case.



3-in-1 Tube Bender

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



RTB118

Heavy Duty Flare/Burnish/Swage Kit Tools



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.

soft copper, aluminum and brass tubing.



Part# Description

70003 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D. Tube



Part# Description

70004 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" O.D. Tube

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.





soft copper, aluminum and brass tubing.



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

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



70007



Expander Swage Tool Kit





Posi-Lock Expander heads can be guickly switched out



Hydraulic Power for one handed swaging



Ouick Release Lever



70079



Compact Hydraulic Power Swage Tool for on the job precision swaging

The power to swage 3/8" up to 1-5/8" 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

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 1-3/8" & 1-5/8" Sold Separately



UEH7-138

UEH8-158



UEH1-3/8" UEH2-1/2"



UEH3-5/8"



UEH4-3/4"



UEH5-7/8"



UEH6-1-1/8"









Quick Action Tubing Cutter



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



Mini Tubing Cutters

Design for use in restricted areas.



70000 1/8" to 7/8" 0.D. (3mm to 22mm)

Boy	
	PUSH HANDLE (Q)) AND WHEEL TO TUBING



	Part#	Capacity	a	
	70000	1/8" to 7/8" O.D. (3mm to 22mm)	1	Ma.
	70001	1/8" to 1-1/4" O.D. (3mm to 32mm)	William .	
N	70002	1/4" to 2-1/2" O.D. (6mm to 62mm)		500
Į	70090	5/16" to 1-5/8" O.D. (8mm to 42mm)	70001	10
			1/8" to 11/4" O.D. (3mm to 32mm)	F

Quick-Action Premium Cutter



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

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

Part#	Capacity	
UTC701	1/8" to 1" O.D	
UTC702	1/8" to 1-1/8" 0.D.	
UTC703	1/8" to 1-3/8" O.D.	
UTC704	1/8" to 1-3/4" O.D.	
UTC705	1/4" to 2-3/4" 0.D.	









Digital Refrigerant Scale with Solenoid Valve



Part #USRS300S

SPECIFICATIONS

Capacity: 3300lbs (150Kg)

Accuracy: +/-0.05% of reading +0.35 oz (10g)

Units: Ibs., oz., Kg

Weight: 7.05 lbs (3.2kg)

Dimensions: 10.7" x 10.7" (27.2cm x 27.2cm)

Platform Size: 10.7" x 10.7" (27.2cm x 27.2cm)

Battery Powered (5 - AAA batteries)

FEATURES

Durable cloth carrying bag with shoulder strap

Back lit display on control handle.

Metal loop on handle to either hang or prop handle for easy reading.

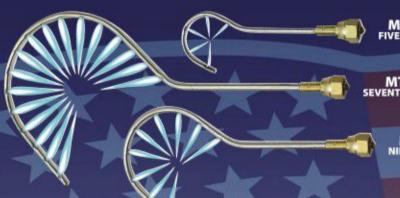
Programmable charging of refrigerant through included solenoid valve.







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



MTF-5 FIVE FLAMES

MTF-17 SEVENTEEN FLAMES

MTF-9



K22P-T

Part # Cap'n Hook Set Includes : Connector, 12 ft. Oxygen and LPG / Acetylene Hoses and Free Single Tip Nozzle.















	Part#	UPC#	Acetylene Consumption SCFH	Oxygen Pressure PSIG	Acetylene Pressure PSIG	Overall Length	Brazing Copper Tubing [up to]
	MTF-5	30590	4-6	8	5	51/2"	1"
Acetylene	MTF-9	30591	5-9	10	7	81/2"	2"
	MTF-17	30592	8-14	18	12	11"	3"

	Part#	UPC#	MAP//Pro™[Propylene] /Propane Consumption LBS/HR	Oxygen Pressure PSIG	MAP//Pro™ [Propylene] /Propane Pressure PSIG	Overall Length	Brazing Copper Tubing [Up to]
	MTFM-5	30595	2.6	10	5	51/2"	1"
MAP//Pro'* (Propylene) Propane	MTFM-9	30596	3.1	15	7	81/2"	2"
Sand Process Add Addition	MTFM-17	30597	5.6	20	10	11"	3"

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





MAP//Pro[™] gas is a mixture of methylacetylene and propadiene is a new premium Propylene fuel for welding, brazing and soldering. This fuel that burns approximately 35% hotter than Propane and much higher than conventional Butane gas.

MAP Gas is widely regarded as a safer and easier to use substitute for acetylene.

Use only with torches designed for MAP//Pro[™] Available in 14.1 oz. (399.7g) cylinders

Product Description

Burning temperature: approach to 3600°F.

Pressure(psig) 110 psig at temperature 20°C.

CGA600 connector suitable for most torches.

CE tested gas cylinder. Increased safety for the user.

Features

Able to braze 5/8 pipe very fast as comparison to conventional butane gas.

Create temperature upto 1500 degree centigrade while butane upto 500 degree.

No need to carry heavy Oxygen and LPG cylinder.

Butane or LPG produce more carbon inside brazing joint which may damage compressor

while MAPP not produce carbon during brazing.







Basic Welding/Brazing Outfit

Portable brazing set for compressor fixing, attending of gas leakages, it can braze upto 1 5/8" Hard copper pipes. Easy to carry in tools bag. Very effective & time saving tools.

Unitorch® Regulators

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



RP3B





Self-igniting Swirl Combustion Tips

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



TARGET HEAT

PROPANE 1750 °F [954 °C]

	(Propylene)				
Part#	Solder Propane	Braze Propane	Solder MAP//Pro™ [Propylene]	Braze MAP//Pro™[Propylene]	
HT44	Up to 3"	Up to 1"	Up to 4"	Up to 1-1/4"	
HT7U	Up to 1"	Up to 5/8"	Up to 1/5"	Up to 7/8"	
UTGOII	lin to 1"	Un to 5/8"	IIn to 1/5"	Un to 7/8"	

Thruster®, Twister®, Double & Triple Twister®

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







Flashback Arrestors/Check Valves/Fittings



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



REAB

FILTERED FILTERED

3/8" - 24 "A" Fitting 9/16" - 18 "B" Fitting*

Regulator		rch	Regulator Torch			rch
UPC#	Part#	UPC#	Part#	UPC#	Part#	UPC#
10211	TFAM100	04061	RFA100	10206	TFA100	04056
10212	TFAM101	04062	RFA101	10207	TFA101	04057
10210	TFAA	04060	RFAB	10205	TFAB	04055
	UPC# 10211 10212	UPC# Part# 10211 TFAM100 10212 TFAM101	UPC# Part# UPC# 10211 TFAM100 04061 10212 TFAM101 04062	UPC# Part# UPC# Part# 10211 TFAM100 04061 RFA100 10212 TFAM101 04062 RFA101	UPC# Part# UPC# Part# UPC# 10211 TFAM100 04061 RFA100 10206 10212 TFAM101 04062 RFA101 10207	

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



TFAA



TFAB

Check Valves

Flashback Arrestors

Single Oxygen

Single Fuel

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

Check Valves provide protection against reverse fow of gases, but not fame fashback. 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].



RVCB

	g	% ₁₆ " - 18 "B" Fitting*				
Charle Values	To	orch	Regu	ilator	Torch	
Check Valves	Part#	UPC#	Part#	UPC#	Part#	UPC#
Single Oxygen	TCV10	02651	RCV100	10201	TCV100	04051
Single Fuel	TCV11	02652	RCV101	10202	TCV101	04052
Set of [2] on card [1] Oxy & [1] Fuel	TCVA	02650	RCVB	10200	TCVB	04050

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

Swivl-it™ Fittings

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

- HCC38
- Prevent hose kinks and wrist strain Prevent loosening of hose fttings
- 180° movement on twin hose
 Pressure tested
 - Use on torch or regulator

360° Swivel



Visible Vapor Charging Device/Nitrogen Flow Indicator/Regulators



Vapor-Vue®/Nitrogen Flow



Absorbs heat naturally and flashes the liquid refrigerant from the cylinder and charges into the system as a vapor. Connecting the Vapor-Vue® to the low side of your charging manifold

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

Part# Description

Vapor-Vue with 1/4" Flare Fittings - HVAC/R

Liquid Refrigerant to Vapor



Nitrogen Flow

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

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





NV1

Nitrogen

Flow

Indicator

Flow Ball Indicator







2" GAUGES WITH RUBBER BOOTS



RHP800 EXCEEDS MINI SPLIT PRESSURE TESTING REQUIREMENTS

HARDENED STEEL
THREADED INSERT
ELIMINATES GALLING

CGA580 INLET STANDARD (optional inlets available)

RESEATABLE SAFETY BLOWOFF

MACHINED SOLID BRASS BODY

BRASS T-HANDLE WITH STAINLESS STEEL PRESSURE ADJUSTING SCREW



Medium duty single stage oxygen regulator with 2-Inch Dual scale gauges, for general gas control applications. Reseating pressure relief valve for safety and low pressure gauge protection. Superior flow capacity.



R250-540



R260-300

Description

Easy-To-Read Dual Scale 2-Inch Gauges, 200 and 4000 PSI/Kg

CGA540 Inlet, Maximum Inlet: 3000 PSIG

Large Brass T-Handle For Smooth, Accurate Adjustments

Reseating Pressure Relief Device Where Needed For Added Regulator Protection

Forged Brass Bonnet and Body

Description

Easy-To-Read Dual Scale 2" Gauges, 30 Red Line and 400 PSI/Kg

CGA300 Inlet, Maximum Inlet: 300 PSIG

Large Brass T-Handle For Smooth, Accurate Adjustments

Forged Brass Bonnet and Body





20'N'1 and 6'N'1 Screwdrivers/Wrenches & Pinch-Off Tools



Ratchet Screwdrivers/ Wrenches & Pinch-Off Tool

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.



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.



Reversible Ratchet Wrench

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



Pinch-Of Tool



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



Heat Sink Paste/Flame Barrier/Heat Guard



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.







Heat Guard

A double layer of stainless steel creates an air gap that guards the surrounding work area against fre damage. The Heat Guard wraps around the pipe, increasing the heat concentration, even in windy conditions. The Heat Guard clips onto the following Uniweld tips: UT4, UT5, UT6, HT44, A11, AS11, T-4, TS-4, LPT4, LPT04.

	Part#	UPC#	Description
Heat Guard	HG4	43015	Steel Heat Guard



Introduction to Flame Tools









BRAZING

SOLDERING

CUTTING

WELDING

This catalog provides you with detailed information on a full range of Uniweld fame tools for the HVAC/R, Plumbing, Automotive and Industrial Maintenance professionals. When deciding on what fame 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 fame 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 diference 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 fame of approx. 5600°F, that is ideal for brazing copper tube, welding and cutting steel and general maintenance repairs. This type of fame tool is preferred by HVAC/R tradesmen because of its hot, concentrated fame with low heat transfer into sensitive components. Heat transfer is minimized with the use of proper tips.

AIR/ACETYLENE

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

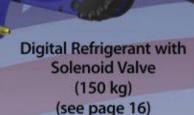




Since 1949, Uniweld, a U.S. Manufacturer, has employed over 300 workers who help design, manufacture, and distribute U.S. made products to be sold worldwide! As we celebrate 70 years of manufacturing excellence, our focus is ever set on the future to provide a superior product coupled with unmatched customer service. Uniweld's World Headquarters and manufacturing facility based in Ft. Lauderdale, FL has state of the art robotic CNC machines that produce quality flame tools, accessories, and pressure gauges for the air conditioning, refrigeration, plumbing, heating, automotive and maintenance industries. We thank you for supporting Uniweld Products...

"QUALITY TOOLS THAT GOES TO WORK WITH YOU"

NEW PRODUCTS





EZ TURN
EZ Turn Anti-Blowback
Fitting
(see page 10)



NV1 Nitrovue Nitrogen Flow Indicator (see page 21)



RHP800

Nitrogen Regulator

Ball Valve Hose (see page 09)