QUALITY TOOLS THAT GO TO WORK WITH YOU®



HVAC AND REFRIGERATION TOOLS







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.



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UVP5.5

HVP6

6.0 CFM, 170 liter/min

8.0 CFM, 226 liter/min.

HVP12

	Free Air Displacement	5.5 CFM, 155 liter/min
	Number of Stages	2-Stage Rotary Vane
HUMM-VAC* Pumps *Optional	Factory Micron Rating	15 Microns
	Intake Fittings	1/4" and 3/8" Male Flare
	Thermal Overload Protection	1/4 HP
	Voltage	110/220V - 50/60Hz
	Oil Capacity	15.2 Oz [450ml]
Int'l Power Cord Available	Power Cord*	India -Type D Plug
on request	Dimensions	13.9" x 5.5" x 10.2" 35.3 cm x 40 cm x 26 cm
	Weight	22.05 lbs. [10 kg]
	Shipping Weight	25.20 lbs. [11.4 kg]
	Color.	

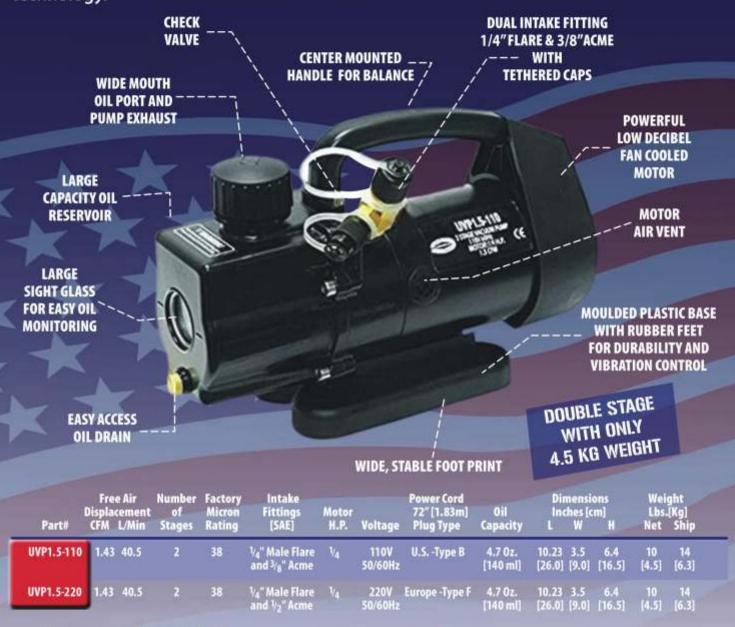
2-Stage Rotary Vane
15 Microns
1/4" & 3/8" Male Flare; 1/2" Acme
1/2 HP
110/220V - 50/60Hz
27.1 Ounces [800 ml]
72" [1.83m], India -Type D Plug
14.50" x 6.875" x 10.75" 36.83 cm x 17.46 cm x 27.30 cm
26 lbs. [11.80 kg]
30 lbs. [13.60 kg]
Vollows

2-Stage Rotary Vane	
15 Microns	
1/4", 3/8" & 1/2" Male Flare	
3/4 HP	
110/220V - 50/60Hz	
25 Ounces [740 mf]	
72" [1.83m], India -Type D P	lug
15.0" x 6.875" x 10.75" 38.1 cm x 17.46 cm x 27.3 c	m
30.2 lbs. [13.7 kg]	
32.8 lbs. [14.9 kg]	
Red	

12.0 CFM 340 litter/min.
2-Stage Rotary Vane
15 Microns
1/4", 3/8" & 1/2" Male Flare
1 HP
110/220V - 50/60Hz
33.8 Ounces [1000 ml]
72" [1.83m], India -Type D Plug
15.0" x 6.875" x 10.75" 38.1 cm x 17.46 cm x 27.3 cm
38.6 lbs.[15.88 kg]
41.7 lbs.[18.9 kg]
Black

1.5 CFM Vacuum Pumps

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.



Vacuum Pump Oil

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]	





THE PROFESSIONAL EVACUATION KIT

The MaxEvac kit MAXIMIZEN 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. 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.



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

MaxEvac" Professional Evacuation Kit Includes:

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

METAL HOSE PROTECTOR **KEEPS HOSE SEALED AND** PROTECTS FROM **DIRT AND DEBRIS** MAXEVAC HOSES



UNIWELD UVG2 DIGITAL VACUUM GARUGE (SOLD SEPARATELY) EASILY CONNECTS TO THE SIDE PORT ON THE CORE TOOL FOR AN ACCURATE VACUUM MEASUREMENT.

Heavy Duty Charging and Vacuum Hoses

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 figer tightening or wrench tight metal to metal seat hex fare nuts and copper gasket. Choose from 3/8", 1/2" and 3/4" I.D. hoses to suit your requirements. 2-year over-the-counter replacement warranty*.



Always use bigger size 3/8" connection Uniweld hose for fast vacuuming and save time and cost.

- Uniweld's Fast-Flo Hose Set is comprised of a 3/8" charging/Recovery and vacuum hose with full flow ball valve shut-off.
- · Save 30% time for recover/charging and vacuuming the system.
- · Ball valve is Leak proof and 15 micron rated





The MaxEvac Kit MAXIMIZES your vacuum efficiency for faster evacuation. The large ½"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 seal and protects it from dirt and debris.

PART # MEBK14

MaxEvac" Basic Evacuation Kit Includes

- (1) Black 6 ft, ½"MaxEvac 3/8"x1/4 Fittings
- (1) 1/4" Valve Core Removal Tool with 1/4" Side Port
- (1) Metal Hose Protector 3/8"x 1/4"





METAL HOSE PROTECTOR
KEEPS HOSE SEALED
AND PROTECTS FROM
DIRT AND DEBRIS
(INCLUDED WITH
MAXEVAC HOSES)



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

SPECIFICATIONS

PART# ACCESORIES SOLD SEPARTELY

MECT14	1/4" VALVE CORE REMOVAL TOOL WITH 1/4 SIDE PORT FITTING	
MECT516	R-410 MINI SPLIT 5/16" VALVE CORE REMOVAL TOOL WITH 1/4" SIDE PORT FITTING	
MEXR	SHORT VALVE CORE EXTRACTOR ROD ASSEMBLY	
MEXR3	36" (91cm) ½"MAXEVAC HOSE, 3/8"STR.STR x 1/4" STR, BLACK WITH MEHP HOSE PROTECTOR	
MEXR5	60" (152cm) 1/2" MAXEVAC HOSE PROTECTOR	
MEXR6	72" (182CM) 1/2"MAXEVAC HOSE, 3/8" STR. X 1/4" STR, BLACK WITH MEHP HOSE PROTECTOR	
UYA14	MAXEVAC Y ADAPTER 1/4"FFX(2) 3/8"MF	
UYA38	MAXEVAC Y ADAPTER 3/8"FFX(2) 3/8" MF	
UYA12	MAXEVAC Y ADAPTER 1/2"FFX(2) 3/8"MF	
MEHP	MAXEVAC METAL HOSE PROTECTOR 3/8"MFX1/4"MF	
MEBK14	MAXEVAC BASIC KIT 1/4"	
MEDV 14	MAYEVAC PROFESSIONAL	

Core Removal Tool



SPECIFICATIONS

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# Description

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





UVG2 DIGITAL VACUUM GAUGE

SPECIFICATIONS

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!

1p65 Rated Water Resistant Rubberized Housing

Requires (3) AA Batteries-Not Included





Button	谷	O	UNITS
Press and Release	Backlight Power On/Off On/Off		
Press Both	Enable Auto Off		

3 DISPLAY

- 1. Battery Level Indicator
- 2. Pressure Value
- 3. Auto Off
 - 4. Vacuum Units

Work smarter with Uniweld's SmarTech Digital Vacuum Gauge... Unexpectedly More!



Display Package



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





Part#	Gauge Size	Description	Refrigerants
QS8N-5	80 mm NPF®	No Hoses	R-410A/R-22/R-404A/R-134a-PSI/Kg-Cm2/C
QS8N3SM-8	80 mm NPF°	3ft. Soft Magic® Barrier Hose Set	R-410A/R-22/R-404A/R-134a-PSI/Kg-Cm2/C
QS8N3SM410A-8	80 mm NPF*	3ft. Soft Magic® Barrier Hose Set with 1/4" X 5/16" Connection	R-410A/R-22/PSI/BAR/C



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 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#	Size	Description	Refrigerants
Т	QAL-5	63 mm LPF™	No Hoses	R-22/R-404A/R-134a-PSI-Kg/Cm2/C
J	QAL3SM-5	63 mm LPF™	3ft. Soft Magic® Hose Set	R-22/R-404A/R-134a-PSI-Kg/Cm2/C
1	QAL5SM-5	63 mm LPF™	5ft. Soft Magic" Hose Set	R-22/R-404A/R-134a-PSI-Kg/Cm2/C
	QAL6SM-5	63 mm LPF™	6ft. Soft Magic" Hose Set	R-22/R-404A/R-134a-PSI-Kg/Cm2/C
	QAL3SMEZ-5	63 mm LPF™	3ft. Soft Magic" EZ-Turn Anti-Blowback Hose Set	R-22/R-404A/R-134a-PSI-Kg/Cm2/C



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 2½" gauges with color coded refrigerant scales and color coded gauge boots • Metal [not plastic] hand wheels • Extended valve stems for ample knuckle clearance • Quick action valve assembly for ½ turn fully open or fully closed • Convenient 45° front hose holders • High Pressure Soft Magic® Barrier Hoses (available with optional EZ-Turn anti-blowback fittings). Man, What a Manifold!

Part#	Gauge Size	Description	Refrigerants
QS4L-5	63 mm LPF™	No Hoses	R-410A/R-22/R-404A-PSI-Kg/Cm2/C
QS4L3H-5	63 mm LPF™	3ft. Soft Magic" Barrier Hose Set	R-410A/R-22/R-404A-PSI-Kg/Cm2/C
QS4L3H410A-5	64 mm LPF ^{TR}	3ft. Soft Magic® Barrier Hose Set with 1/4" X 5/16" Connection	R-410A/R-22/R-404A-PSI-Kg/Cm2/C
QS4L5H-5	63 mm LPF™	Sft. Soft Magic® Barrier Hose Set	R-410A/R-22/R-404A-PSI-Kg/Cm2/C
QS4L6H-5	63 mm LPF TM	6ft. Soft Magic" Barrier Hose Set	R-410A/R-22/R-404A-PSI-Kg/Cm2/C
QS4L3HEZ-5	63 mm LPF™	3ft. Red & Blue Soft Magic® Barrier EZ Turn Anti-Blowback Hose & Yellow Valve Hose	R-410A/R-22/R-404A-PSI-Kg/Cm2/C





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.

98.0

87.7

UNIWELD

55.4

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





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 1/4" 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)



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

Uniweld Products, Inc. Fort Lauderdale, FL 33312 U.S.A. Contact No. 9899775796, 9311975796 asharma@uniweld.com www.uniweld.com





Wireless Digital Manifold

SPECIFICATIONS

Pressure Measuring Range: -29.9 to 0 to 650 psig.

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

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

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

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

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

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

±2"F,±1"C Temperature Accuracy:

Temperature Resolution: 0.1 For C

Batteries: 6 x AA

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









EZ5R

EZT5B

HD5BV



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

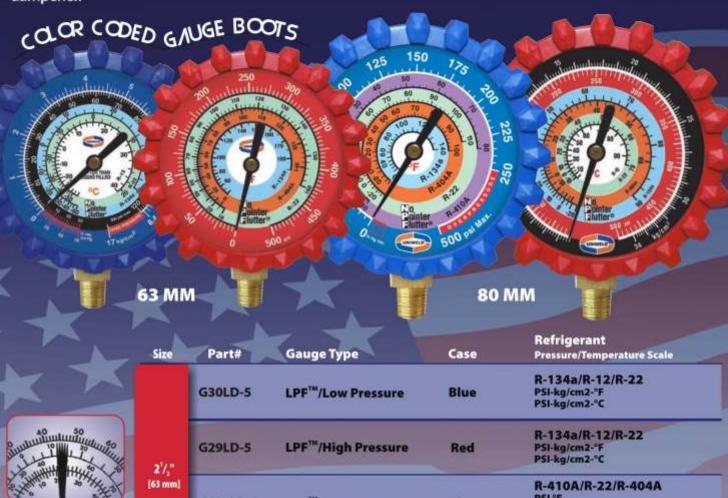
INCLUDES: (1) Blue and (1) Red Temperature Clamp K-Type with 6 Ft. Lead, (2) Thermocouple Bead Probes, (1) Red 5 Ft. EZ Turn Hose, (1) Blue 5 Ft. EZ Turn Hose with ¼" Male Flare "T" Fitting, (1) 5 FT. Fast-Flow Black 3/8" Vacuum and Charging Hose with Ball Valve, (1) Adaptor 3/8"MF x 1/4"FF, SmarTech™ 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

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Uni	weld's Gauge

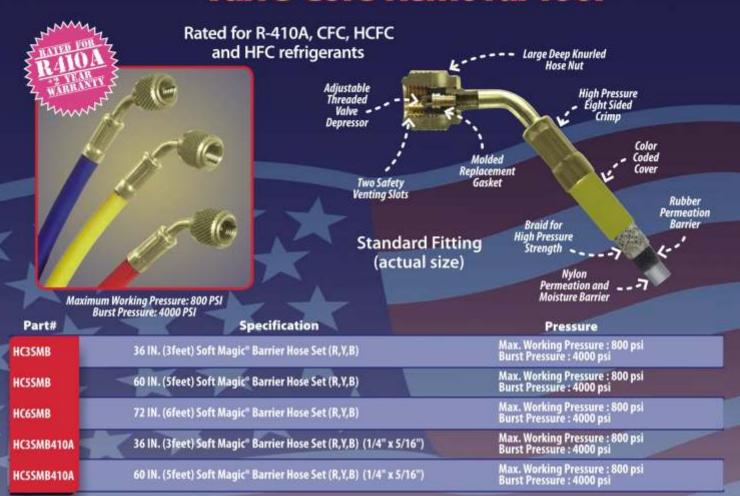
Size	Part#	Gauge Type	Case	Pressure/Temperature Scale
	G30LD-5	LPF™/Low Pressure	Blue	R-134a/R-12/R-22 PSI-kg/cm2-°F PSI-kg/cm2-°C
2'/,"	G29LD-5	LPF™/High Pressure	Red	R-134a/R-12/R-22 PSI-kg/cm2-°F PSI-kg/cm2-°C
[63 mm]	G530LD-5	LPF™/Low Pressure	Blue	R-410A/R-22/R-404A PSI "F PSI-kg/cm2-°C PSI-kPa°C
	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
3'/,"	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-8	NPF™/Low Pressure	Blue	R-410A/R-32 PSI/BAR/C
	G329ND-8	NPF™/High Pressure	Red	R-410A/R-32 PSI/BAR/C



Premium fexible barrier Ball Valve hose with standard fttings



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





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

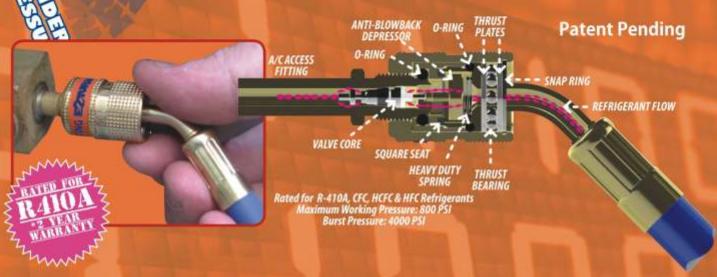
Premium fexible barrier Valve hose with anti-blowback fittings



Soft Magic®Barrier Hose



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



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
EZ5HS	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	
EZAB	Straight 1/4″ M.F. x 1/4″ F.F.	EZTURN
EZABM	Straight 1/4" M.F. x 5/16" F.F.	
EZAB90	90° 1/4″ M.F. x 5/16″ F.F.	4
EZABM90	90° 1/4" M.F. x 5/16" F.F.	
	The second secon	6740





EZAB90



Tube Benders

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 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.



Part#	Description
RTB118	Crossbow Ratchet Tube Bender, Sizes: 3/8", 1/2", 3/4", 7/8", 1-1/8" 0.D.
RTBCA118	1-1/8" C rossbar Assembly
RTBCA58	3/8", 1" and 5/8" Crossbar Assembly
RTBCA78	3 " and 7/8" Crossbar Assembly
RTBM118	1-1/8" M andrel for Crossbow Ratchet Tube Bender
RTBM12	1 " Mandrel for Crossbow Ratchet Tube Bender
RTBM34	3 " Mandrel for Crossbow Ratchet Tube Bender
RTBM38	3/8" M andrel for Crossbow Ratchet Tube Bender
RTBM58	5/8" M andrel for Crossbow Ratchet Tube Bender
RTBM78	7/8" M andrel for Crossbow Ratchet Tube Bender
RTBR	Crossbow Ratchet Tube Bender Body Assembly



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

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.













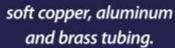
Part#	Description	Tube Diam.	Bend Radius
70009	Bender	5/16" O.D.	Th ₁₆ "
70010	Bender	3/8" O.D.	1"
70011	Bender	½" 0.D.	11/2"

Part#	Description	Diam.	Radius
70012	Bender	5/g" O.D.	21/4"
70013	Bender	³/4" O.D.	3"
70014	Bender	7/g" O.D.	31/4"

Heavy Duty Flare/Burnish/Swage Kit Tools

Flaring/Swaging 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.





Description

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



Description

 $3/_{16}$ ", $1/_4$ ", $5/_{16}$ ", $3/_8$ ", $1/_2$ " and $5/_8$ " O.D. Tube 70004

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





soft copper, aluminum and brass tubing.



Part#	Description	
70049	5⁄ ₁₆ " O.D. Tube	
70050	1/2"O.D. Tube	

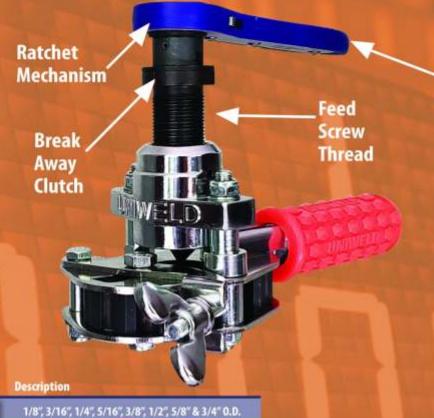
Part#	Description	
70051	5/8"0.D. Tube	
70053	45° Flare	



Heavy Duty Flare/Burnish



Electrical/Manual R-410A Ratchet + Clutch Flaring Tools



3/4"-12 Point Reversible Ratchet Wrench Included



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

SPECIFICATIONS

Part#

Specially 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

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

Eccentric off center cone that spins on an axis and rolls out a perfectly uniform 45° flare with a

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.



Expander Swage Tool Kit





Posi-Lock Expander heads can be quickly switched out



Hydraulic Power for one handed swaging



Quick 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"

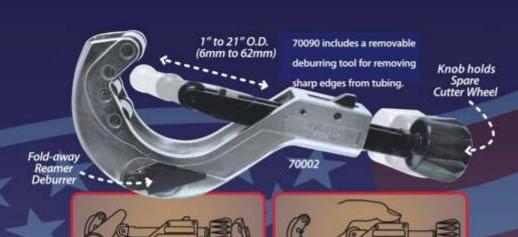




Quick Action Tubing Cutter



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" O.D. (3mm to 22mm)

	Part#	Capacity
1	70000	1/8" to 7/8" O.D. (3mm to 22mm)
	70001	1/8" to 1-1/4" O.D. (3mm to 32mm)
ч	70002	1/4" to 2-1/2" O.D. (6mm to 62mm)
H	70090	5/16" to 1-5/8" O.D. (8mm to 42mm)



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" 0.D	
UTC702	1/8" to 1-1/8" O.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" O.D.	











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

MTF-17 EVENTEEN FLAMES

MTF-9

TOUGH, DURABLE STAINLESS STEEL CONSTRUCTION



Part # Cap'n Hook Set (K71MTFM5 / K71MTF5)

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	Oygen Pressure PSIG	MAP//Pro™ [Propylene] /Propane Pressure PSIG	Overall Length	Brazing Copper Tubing [Up to]
MAP//Pro™ (Propylene) Propane	MTFM-5	30595	2.6	10	5	51/2"	1
	MTFM-9	30596	3.1	15	7	81/2"	2"
	MTFM-17	30597	5.6	20	10	11"	3"

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





MAP//Pro[™] & ZAPP Gas is mixture of methylacetylene and propadiene is a new premium Propylene fuel of elding, 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





RP3B MAP Adoptor



Braze upto 2.5" with Air/fuel torch



ZDC

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.

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.





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).





HT7U





PROPANE 1750 °F [954 °C] MAP//Pro™ 2400 °F [1316 °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"
HT89U	Up to 1"	Up to 5/8"	Up to 1/5"	Up to 7/8"

Portable Brazing Kit



Portable brazing set for compressor fixing, attending of gas leakages, it can braze upto 3" and above hard copper pipes. Easy to carry in tools bag. Very effective & time saving tools.

Kit Includes: Uniweld Stand, Cap & Hook MTF/MTFM-5, Two Set of 12 ft. hoses, connector, MAP Adoptor, MAP Can, Oxygen Cylinder, Oxygen Regulator, Flash Back Arrestor





Air/Fuel Torch

Braze without oxygen

The popular Air/Fuel Twister® Tips let you work with a stable, high energy efficient flame, even in windy conditions. Twister® helical blade technology maximizes the BTUs and speeds up the heat transfer. Can use this tip with MAP//Pro Gas

TARGET HEAT



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

Braze without oxygen

upto 3"

ACETYLENE 2700 °F [1482 °C]

TARGET HEAT AREA THE MOST EFFICIENT AREA FOR HEAT TRANSFER.



Kit Part # KTH6BLP/KTH6BZDP Kit include: Handle, 12ft Hose, Tip



Air/Acetylene Kit include: Handle, 12ft Hose, Tip

	Part#	UPC#	Copper Tubing Capacity Solder	Copper Tubing Capacity Braze	
Air/Acetylene	A-14	43024	2" to 31/2"	1" to 2"	
	A-32	43040	4" to 6"	1½" to 4"	
	T2A-12	43053	1¼" to 3"	7/8" to 1-5/8"	

Copper Tubing Capacity





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.

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

reseatable safety blow off that opens at 200+ PSI.



NV1 Nitrogen Flow Indicator



Flow Ball Indicator



PURGE 20+ SCFH

BRAZE 3-6 SCFH





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

13820 (RHP800)

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.



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.





8/18"x18 (Br)

RFAB

			PILIERE				PILIERE		
		3/8	"-24"A" Fit	tting		9/16	"- 18 "B" F	itting*	
Flashback Arrestors	Regulator		To	Torch		Regulator		Torch	
	Partil	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	RFAA	10210	TFAA	04060	RFAB	10205	TFAB	04055	
[1] 0xy & [1] Fuel	And the first of t								

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



TFAB





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



Digital Refrigerant with Solenoid Valve (150 kg) (see page 18)

Portable Brazing Kit (see page 21)

13820 (RHP800) Nitrogen Regulator (see page 24)



UVG2 (see page 5)



UDFC Electric & Manual Flaring Tool (see page 15)



KTH6BLP/ZDP
Now Braze upto 3"
Hard Pipe without Oxygen.
(see page 22)



ZDC (see page 20)

