

WELDING AND CUTTING EQUIPMENT

CATALOG





OUTFITS CUTTING & WELDING

V-STYLE
TUBE MIX

ROUGHNECK HEAVY DUTY

The UniWeld Roughnecks are complete super heavy duty oxy-fuel or propane outfits for cutting, welding, brazing and heating.

780A CUTTING ATTACHMENT

with precision machined forged brass head and body and one-piece universal copper mixer.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

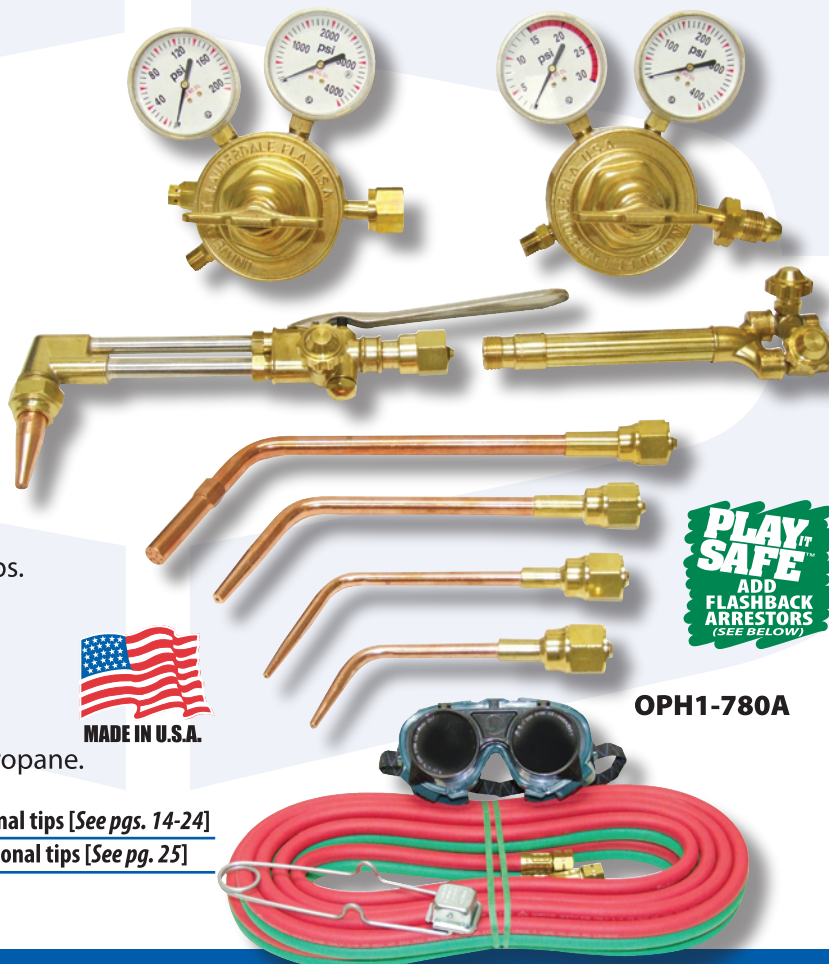
WH360 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

ROUGHNECK Includes one Type 11-8 heating tip & one each Type 4 -1, -3, -5 welding tips.

ROUGHNECK II Includes one Type 11-8 heating tip and one Type 4 -2 welding tip.

ROUGHNECK PROPANE

Includes an RV8012 regulator, GPN-2 cutting tip, grade "T" hose and Type 12-8 heating tip. Specially designed to cut, braze and heat with Propane.



PLAY IT SAFE
ADD FLASHBACK ARRESTORS (SEE BELOW)



OPH1-780A

Cutting Capacity: 3/4" with supplied tip; up to 8" with optional tips [See pgs. 14-24]

Welding Capacity: 1/2" with supplied tips; up to 3" with optional tips [See pg. 25]

Heating Tips: [See pgs. 30, 31]

ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# OPH1-780A UPC# 80000	WH360	780A	1-101-1	TYPE 4 -1, -3, -5	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 25' 1/4" "B" GOGGLES, LIGHTER
PART# OPH1-780A-4 UPC# 80002	WH360	780A	1-101-1	TYPE 4 -1, -3, -5	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES
NEW! ROUGHNECK II HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KVH780A UPC# 80080	WH360	780A	1-101-1	TYPE 4-2	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 25' 1/4" "B" GOGGLES, LIGHTER
PART#KVH780A-4 UPC#80081	WH360	780A	1-101-1	TYPE 4-2	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES
NEW! ROUGHNECK PROPANE H.D.	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	PROPANE* REGULATOR 2-40 PSIG	ACCESSORIES
PART# KVP780A UPC# 80082	WH360	780A	GPN-2	- -	TYPE 12-8	RV8010 CGA540	RV8012 CGA510	GRADE "T" TWIN HOSE 25' 1/4" "B" GOGGLES, LIGHTER
PART#KVP780A-4 UPC# 80083	WH360	780A	GPN-2	- -	TYPE 12-8	RV8010 CGA540	RV8012 CGA510	NO ACCESSORIES

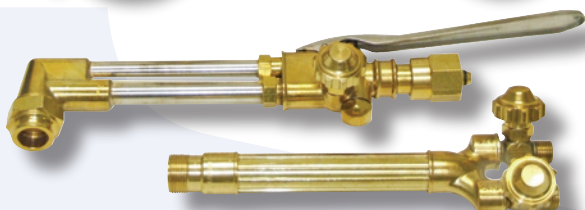
ROUGHNECK AND ROUGHNECK II (EXCEPT ROUGHNECK PROPANE) OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]



KV780A

FABRICATOR
HEAVY DUTY

MADE IN U.S.A.

The Uniweld Fabricator is a basic heavy duty oxy-fuel outfit for cutting, welding, brazing and heating.

780A CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece universal copper mixer.

RV** or RUH83 SERIES REGULATORS with large, easy to read single scale 2-1/2" gauges.

WH360 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

Cutting Capacity: 8" with optional tips [See pgs. 14-24]

Welding Capacity: 3" with optional tips [See pg. 25]

Heating Tips: [See pgs. 30,31]

FABRICATOR
HEAVY DUTYWELDING
HANDLECUTTING
ATTACHMENTOXYGEN*
REGULATOR
5-125 PSIGACETYLENE*
REGULATOR
2-15 PSIG

GAUGES

PART# KV780A
UPC# 80004

WH360

780A

RV8010
CGA540

RV8011
CGA510

2-1/2"

Add (FB) to Part# to include
U.L. Listed Flashback Arrestors
on the Welding Handle.
[See pg. 104]

PART# KR780A
UPC# 81100

WH360

780A

RUH8310
CGA540

RUH8311
CGA510

2-1/2"

FABRICATOR OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

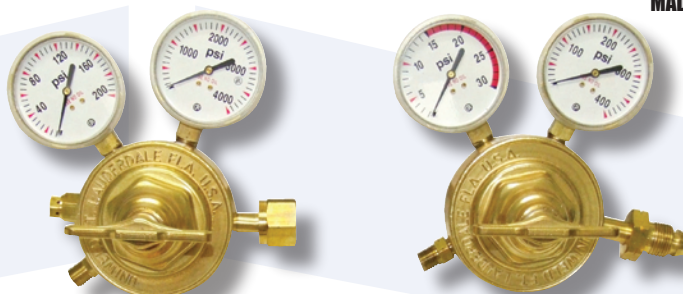
PROFESSIONAL
HEAVY DUTY

The Uniweld Professional is a basic heavy duty oxy-fuel cutting outfit.

CUTTING TORCH with heavy duty precision machined forged brass head and body. Universal mixer for most fuel gases 3 PSIG and above. 830 (top rear lever) or 850 (bottom rear lever).

RV** or RUH83 SERIES REGULATORS with large, easy to read single scale 2-1/2" gauges.

**RV SERIES have stainless steel diaphragms and accessibility to the seat from the rear.



KV830-21



Cutting Capacity: up to 12" with proper tip [See pgs. 14-24]



MADE IN U.S.A.

PROFESSIONAL
HEAVY DUTYHAND
CUTTING
TORCHOXYGEN*
REGULATOR
5-125 PSIGACETYLENE*
REGULATOR
2-15 PSIG

GAUGES

PART# KV830-21
UPC# 80100

830-21
90°

RV8010
CGA540

RV8011
CGA510

2-1/2"

PART# KV850-21
UPC# 80200

850-21
90°

RV8010
CGA540

RV8011
CGA510

2-1/2"

PROFESSIONAL
HEAVY DUTYHAND
CUTTING
TORCHOXYGEN*
REGULATOR
5-125 PSIGACETYLENE*
REGULATOR
2-15 PSIG

GAUGES

PART# KR830-21
UPC# 81200

830-21
90°

RUH8310
CGA540

RUH8311
CGA510

2-1/2"

PART# KR850-21
UPC# 81300

850-21
90°

RUH8310
CGA540

RUH8311
CGA510

2-1/2"

PROFESSIONAL OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

Hand Cutting Torches come with Check Valves installed. Add (FB) to Part# to substitute U.L. Listed Flashback Arrestors for Check Valves. Uniweld Check Valves & Flashback Arrestors are both field replaceable [See pg. 104]



OUTFITS CUTTING & WELDING

V-STYLE
TUBE MIX



KAR780A



KAR780ASPF-4



ALL-AMERICAN HEAVY DUTY

The UniWeld All-American is a heavy duty oxy-fuel outfit for cutting, welding and brazing. ■■■■■ 780A CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece universal copper mixer.

■■■■■ RV or RUH83 SERIES REGULATORS with large, easy to read single scale 2-1/2" gauges.

■■■■■ WH360 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

Cutting Capacity: 3/4" with supplied tip; up to 8" with optional tips [See pgs. 14-24]

Welding Capacity: 3/32" with supplied tip; up to 3" with optional tips [See pg. 25]

Heating Tips: [See pgs. 30-31]

THE SPECIALIST HEAVY DUTY

The UniWeld Specialist is a heavy duty oxy-fuel outfit for cutting, welding and brazing. Oxygen and fuel flashback arrestors with built-in check valves prevent reverse flow of gases and flashback. Packed in its own handy tool box with utility tray.

■■■■■ 780A CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece universal copper mixer.

■■■■■ RUH83 SERIES REGULATORS with large, easy to read single scale 2-1/2" gauges.

■■■■■ WH360 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

Cutting Capacity: 3/4" with supplied tip; up to 8" with optional tips [See pgs. 14-24]

Welding Capacity: 3/32" with supplied tip; up to 3" with optional tips [See pg. 25]

Heating Tips: [See pgs. 30-31]

ALL-AMERICAN HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KAV780A UPC# 80006	WH360	780A	1-101-1	TYPE 4-1	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 20' 1/4" "B" GOGGLES, LIGHTER
PART# KAR780A UPC# 81102	WH360	780A	1-101-1	TYPE 4-1	RUH8310 CGA540	RUH8311 CGA510	TWIN HOSE 20' 1/4" "B" GOGGLES, LIGHTER
PART# KAV780A-4 UPC# 80008	WH360	780A	1-101-1	TYPE 4-1	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES
PART# KAR780A-4 UPC# 81104	WH360	780A	1-101-1	TYPE 4-1	RUH8310 CGA540	RUH8311 CGA510	NO ACCESSORIES
ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#							Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]
THE SPECIALIST HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KAR780ASPF-4 UPC# 81109	WH360	780A	1-101-1	TYPE 4-1	RUH8310 CGA540	RUH8311 CGA510	BLACK PLASTIC TOOL BOX AND TRAY TFA100 & TFA101 FLASHBACK ARRESTORS

Optional Twin Hose Set, "B" fittings [Pg. 103]; Spiral Tip Cleaner [Pg. 106]; Safety Goggles [Pg. 105]; Wrenches [Pg. 105]

SPECIALIST OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

ROLLIN' ROUGHNECK
HEAVY DUTY

The Uniweld Rollin' Roughneck is the roughest, toughest most complete portable heavy duty oxy-acetylene welding and cutting system you'll ever find.

780A CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece universal copper mixer for maximum performance & stability.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms & accessibility to the seat from the rear.

WH360 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

Cutting Capacity: 3/4" with supplied tip; up to 8" with optional tips [See pgs. 14-24]

Welding Capacity: 1/2" with supplied tips; up to 3" with optional tips [See pg. 25]

Heating Tips: [See pgs. 30, 31]

16" X 4"
PNEUMATIC
TIRESWELDED STEEL
FRAME
SEE-THRU
GRATES1000 LB.
CAPACITY
LIFTING
HOOKPart# 509
[cart only]
UPC# 30016Part# 509FW
[cart with firewall]
UPC# 30019

80060



ROLLIN' ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ROLLIN' ROUGHNECK CART
PART# 80060 UPC# 80060	WH360	780A	1-101-1	TYPE 4 -1, -3, -5	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	509 W/O CYLINDERS
PART# 80061 UPC# 80061	WH360	780A	1-101-1	TYPE 4 -1, -3, -5	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	509FW† W/O CYLINDERS

ROLLIN' ROUGHNECK INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TORCH FLASHBACK ARRESTORS [Pg. 104] INSTALLED AND 18" STAINLESS STEEL PIGTAIL ASSEMBLY. † 509FW COMES WITH BUILT-IN FIREWALL

DA BOX®
HEAVY DUTY

The Uniweld Da Box® is the perfect outfit to mount on your truck for maximum mobility and security. Includes V style Roughneck outfit, padlocking, heavy duty gauge steel construction. Add the desired braided stainless steel hose pigtails to complete the Da Box® Outfit.

Part# DABOX
[cabinet only]
UPC# 30017
Accepts all
Uniweld
Roughneck
Outfits



DABOX-V

PIGTAILS

PART#	UPC#	LENGTH	DESCRIPTION
PT300-24	43601	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA300 Acetylene
PT300-36	43602	36"	
PT300-48	43603	48"	
PT510-24	43621	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA510 Acetylene or Propane
PT510-36	43622	36"	
PT510-48	43623	48"	
PT540-24	43631	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA540, Oxygen, 3000 PSIG
PT540-36	43632	36"	
PT540-48	43633	48"	

ADDITIONAL PIGTAILS AVAILABLE ON REQUEST

DA BOX® HEAVY DUTY OUTFIT	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	DA BOX BOX
PART# DABOX-V UPC# 80400	WH360	780A	1-101-1	TYPE 4 -1, -3, -5	TYPE 11-8	RV8010 CGA540	RV8011 CGA510	DA-BOX

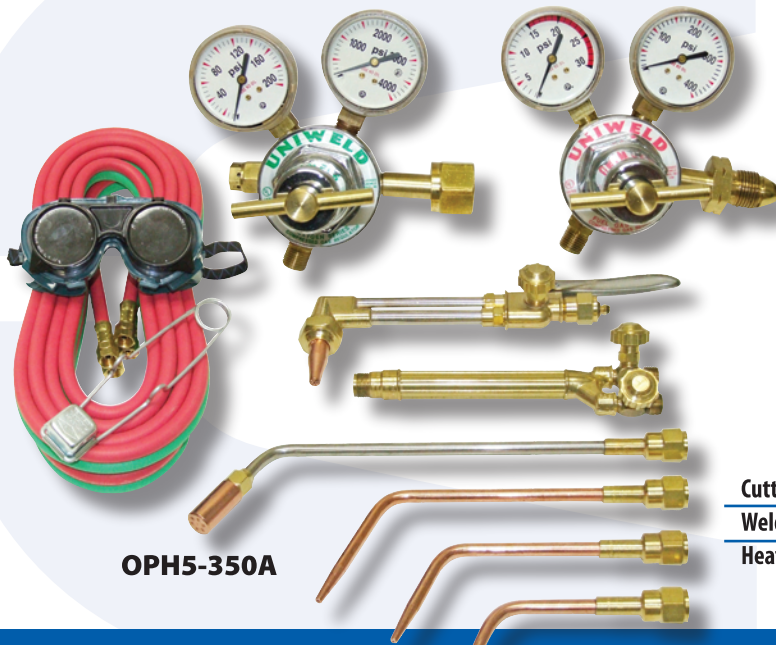
DA BOX-V INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], CGA510 POL to CGA300 CA ADAPTOR [Pg. 97], REGULATOR FLASHBACK ARRESTOR INSTALLED [Pg. 104]

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



OUTFITS CUTTING & WELDING

V-STYLE
TUBE MIX



OPH5-350A

ALL-TRADES
MEDIUM DUTY



The Uniweld All-Trades is a medium duty oxy-fuel outfit for cutting, welding, brazing and heating.

CA350 CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece universal copper mixer.

RUH82 SERIES REGULATORS with large, easy to read single scale 2" gauges.

WH350 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.



Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 14-17, 22, 24]

Welding Capacity: 1/4" with supplied tips; up to 1-1/4" with optional tips [See pg. 25]

Heating Tips: [See pg. 29]

Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]

ALL-TRADES MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# OPH5-350A UPC# 81000	WH350	CA350	3-101-0	TYPE 13 -0, -2, -4	TYPE 29-4	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# OPH5-350A-4 UPC# 81002	WH350	CA350	3-101-0	TYPE 13 -0, -2, -4	TYPE 29-4	RUH8210 CGA540	RUH8211 CGA510	NO ACCESSORIES

ALL-TRADES II
MEDIUM DUTY



The Uniweld All-Trades II is a medium duty oxy-fuel outfit for cutting, welding and brazing.

CA250 CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece universal copper mixer.

MR SERIES REGULATORS with large, easy to read single scale 2" gauges.

WH250 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.



KL250

Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 14-17, 22, 24]

Welding Capacity: 1/8" with supplied tips; up to 1-1/4" with optional tips [See pgs. 26, 27]

Heating Tips: [See pgs. 27-29]

ALL-TRADES II MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KL250 UPC# 82000	WH250	CA250	3-101-0	TYPE 17 -0, -2	MR8210 CGA540	MR8211 CGA510	TWIN HOSE 12.5' 3/16" "B" GOGGLES, LIGHTER
PART# KL250-4 UPC# 82003	WH250	CA250	3-101-0	TYPE 17 -0, -2	MR8210 CGA540	MR8211 CGA510	NO ACCESSORIES

ALL TRADES AND ALL TRADES II OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS
- ORDER BY ADDING (-1) TO END OF PART#; WITH CGA520, ADD (-2) TO END OF PART#.

See page 9 for KL250 Outfits including carrying stand & cylinders.

Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

THE WURKS®-V MEDIUM DUTY

The UniWeld Wurks-V is a complete 12 piece, easy-to-operate, all-purpose outfit for cutting, welding and brazing that's packed in its own rugged Wurk Box with a compartmented accessory tray.



- CA350 CUTTING ATTACHMENT with precision machine forged brass head and body and one-piece universal copper mixer.
- MR SERIES REGULATORS with large, easy to read single scale 2" gauges.
- WH350 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 14-17, 22, 24]

Welding Capacity: 1/4" with supplied tip; up to 1-1/4" with optional tips [See pg. 25]

Heating Tips: [See pg. 29]



WURKS-V



**Look for this
12 pack display
at your local
distributor**



*Operating and Safety
Instructions included.
Oxygen and Fuel Gas
Cylinders required.*

Use the Wurks-V for:

- Cutting most Steels
- Auto, Truck and Trailer Repair
- Plumbing and General Home Maintenance
- Building Metal Workstands
- Creating Metal Artwork
- Heating Metal Bars and Pipes for Bending
- Removing Rusty Nuts from Rusty Bolts
- Repairing Garden and Farm Tools

WURKS-V OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

THE WURKS-V MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	TOOLBOX W/TRAY	ACCESSORIES†
PART# WURKS-V UPC# 82150	WH350	CA350	3-101-0	TYPE 13-2	MR8210 CGA540	MR8211 CGA510	BLACK PLASTIC	12.5' TWIN HOSE 3/16", "B"

†ACCESSORIES INCLUDE: GOGGLES, SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TIP CLEANER SET [Pg. 106], LEATHER WELDING GLOVES [Pg. 105]

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]



OUTFITS CUTTING & WELDING

V-STYLE
TUBE MIX

ALL-AMERICAN MEDIUM DUTY

The Uniweld All-American is a medium duty oxy/fuel outfit for cutting, welding and brazing.

■ CA350 CUTTING ATTACHMENT with precision machined forged brass head and body and one-piece copper mixer. Cuts up to 1/2" with supplied tip.

■ MR or RUH82 SERIES REGULATORS with large, easy to read single scale 2" gauges.

■ WH350 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes.

■ ALL-AMERICAN

Includes one Type 13-2 welding tip

■ ALL-AMERICAN II Includes one Type 29-4 heating tip and one Type 13-2 welding tip.

■ ALL-AMERICAN PROPANE

Includes an RUH or MR series regulators, 3-GPN-1 cutting tip. Specially designed to cut with Propane. Also includes 20' grade "T" hose. Optional brazing & heating tips (See pgs. 27, 29)



Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 14-17, 22, 24]

Welding Capacity: 1/8" with supplied tip; up to 1-1/4" with optional tips [See pg. 25]

Heating Tips: [See pg. 29]



KR350

ALL-AMERICAN MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES	
PART# KR350 UPC# 81004	WH350	CA350	3-101-0	TYPE 13-2	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER	
PART# KM350 UPC# 82100	WH350	CA350	3-101-0	TYPE 13-2	MR8210 CGA540	MR8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER	
 ALL-AMERICAN II MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KRH350 UPC# 81070	WH350	CA350	3-101-1	TYPE 13-2	TYPE 29-4	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# KMH350 UPC#82180	WH350	CA350	3-101-1	TYPE 13-2	TYPE 29-4	MR8210 CGA540	MR8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
 ALL-AMERICAN PROPANE M.D.	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	PROPANE* REGULATOR 2-40 PSIG	ACCESSORIES	
PART# KRP350 UPC# 81071	WH350	CA350	3-GPN-1	- -	RUH8210 CGA540	RUH8212 CGA510	GRADE "T" TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER	
PART# KMP350 UPC# 82181	WH350	CA350	3-GPN-1	- -	MR8210 CGA540	MR8212 CGA510	GRADE "T" TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER	

ALL-AMERICAN AND ALL-AMERICAN II (EXCEPT ALL-AMERICAN PROPANE) OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#, ALL-AMERICAN AND ALL-AMERICAN II OUTFITS AVAILABLE WITHOUT ACCESSORIES - ORDER BY ADDING (-4) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]

ALL-AMERICAN OXYACETYLENE OUTFIT

KL350-P
KL350-P-TU

The Uniweld Oxyacetylene Outfit is a portable oxy/fuel outfit for cutting, welding and brazing in remote locations.

■ CA350 CUTTING ATTACHMENT cuts up to 3/8" with supplied tip.

■ RS SERIES REGULATORS with easy to read single scale 1-1/2" gauges with protective boots.

■ WH350 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes. Uses Type 13 series tips.

Cutting Capacity: 1/2" with supplied tip; up to 5" with optional tips [See pg. 14]

Welding Capacity: 1/8" with supplied tip; up to 1-3/4" with optional tips [See pg. 25]

Safety Note: MC cylinders (10 cu.ft.) will not provide adequate volume for multiflame heating tip (rosebud)
DO NOT USE THESE HEATING TIPS WITH THIS TOTE OR ANY OTHER MC CYLINDER SYSTEM



TU= Cylinders and outfits are unitized, packed in one master carton

Use 20 cu.ft. (R) Oxygen cylinder
and 10 cu.ft. (MC) Acetylene cylinder



KL350-P-TU

ALL-AMERICAN
UNIWELD TOTE
MEDIUM DUTY

WELDING
HANDLE

CUTTING
ATTACHMENT

CUTTING
TIP

WELD/BRAZE
TIP

OXYGEN*
REGULATOR
2-60 PSIG

ACETYLENE*
REGULATOR
2-15 PSIG

ACCESSORIES
PLUS 511
PLASTIC TOTE

PART# KL350-P
UPC# 82174

WH350

CA350

3-101-0

TYPE
13-2

RSOB
CGA540

RSMC2B
CGA200

TWIN HOSE 12.5' 3/16" "B", WRENCH,
GOGGLES, LIGHTER, TIP CLEANER

PART# KL350-P-TU
UPC# 82175

WH350

CA350

3-101-0

TYPE
13-2

RSOB
CGA540

RSMC2B
CGA200

TWIN HOSE 12.5' 3/16" "B", WRENCH,
GOGGLES, LIGHTER, TIP CLEANER

KL350-P-TU INCLUDES 10 CU.FT. ACETYLENE CYLINDER AND 20 CU.FT. OXYGEN CYLINDER, SHIPPED EMPTY. KL350-P SHIPPED WITHOUT CYLINDERS.

*Dual scale gauges and other regulator connections
available upon request. [See pgs. 97, 98]

Add (FB) to Part# to include U.L. Listed Flashback
Arrestors on the Welding Handle. [See pg. 104]



OUTFITS CUTTING & WELDING

V-STYLE
TUBE MIX

UNIWELD TOTE MEDIUM DUTY

The Uniweld Tote is a portable oxy/fuel outfit for cutting, welding and brazing. Select either rugged steel cart or molded plastic cart.

CA250 CUTTING ATTACHMENT Cuts up to 1/2" with supplied tip.

RS SERIES REGULATORS with easy to read single scale 1-1/2" gauges with protective boots.

WH250 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes. Uses Type 17 tips prevalent in the HVAC/Plumbing industry.



KL250-C-TU

Use 20 cu.ft (R) Oxygen cylinder and 10 cu.ft. (MC) Acetylene cylinder



KL250-P-TU



CUTTING



WELDING

Cutting Capacity: 1/2" with supplied tip; 3" with optional tips [See pg. 14]

Welding Capacity: 3/32" with supplied tip; 1-1/4" with optional tips [See pg. 26]

KL250-P and KL250-C: Cylinders not included.

KL250-P-TU and KL250-C-TU: Cylinders and outfits are unitized, packaged in one master carton**

UNIWELD TOTE MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 2-60 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	CARRYING STANDS/ CYLINDERS	ACCESSORIES
PART# KL250-P UPC# 82006	WH250	CA250	3-101-0	TYPE 17-1	RSOB CGA540	RSMC2B CGA200	#511 PLASTIC	TWIN HOSE 10' 3/16" "B" GOGGLES, LIGHTER
PART# KL250-C UPC# 82007	WH250	CA250	3-101-0	TYPE 17-1	RSOB CGA540	RSMC2B CGA200	#500S STEEL	TWIN HOSE 10' 3/16" "B" GOGGLES, LIGHTER
PART# KL250-P-TU UPC# 82009	WH250	CA250	3-101-0	TYPE 17-1	RSOB CGA540	RSMC2B CGA200	#511 PLASTIC MC/R	TWIN HOSE 10' 3/16" "B" GOGGLES, LIGHTER
PART# KL250-C-TU UPC# 82051	WH250	CA250	3-101-0	TYPE 17-1	RSOB CGA540	RSMC2B CGA200	#500S STEEL MC/R	TWIN HOSE 10' 3/16" "B" GOGGLES, LIGHTER

*Dual scale gauges available upon request [See pg. 98]. **Cylinders shipped empty.

Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]

780A
TUBE MIX

FORGED BRASS HEAD
AND BODY

NICKEL ALLOY GAS TUBES
FOR MAXIMUM STRENGTH AND
HEAT DISSIPATION

PUSHROD TYPE
CUTTING OXYGEN VALVE
THAT'S EASY TO REPAIR

STAINLESS STEEL
OXYGEN
CUTTING LEVER

INTERNAL HEAVY DUTY
ONE-PIECE COPPER
UNIVERSAL GAS MIXER

HAND TIGHT NUT
WITH TWO O-RING SEALS

STAINLESS STEEL
BALL POINT VALVES WITH
TEFLON® PACKING

V-STYLE TIP SEATING AREA
2 TAPERED SEATS

HEAD
ANGLES

90°

75°

180°

**3 SEAT
STYLE
TIP MIX

[See pg. 11]

PART#
UPC#

780A
02401

780
02400

780B
02402

3-780A
02451

3-780
02450

CA350
02100

CA250
02000

CA550
02600

CA100**
02700

LENGTH

10-1/2"

10-1/2"

10-1/2"

10-1/2"

10-1/2"

8"

8"

8"

7"

WEIGHT

32 OZ.

32 OZ.

32 OZ.

31 OZ.

31 OZ.

15 OZ.

15 OZ.

15 OZ.

10.8 OZ.

HEAD ANGLE

90°

75°

180°

90°

75°

90°

90°

90°

90°

CUTTING CAPACITY*

8"

8"

8"

7"

7"

6"

6"

2"

2"

ACETYLENE TIP SERIES

1-101

1-101

1-101

3-101

3-101

3-101

3-101

5-101

CT100

COMPATIBLE
WELDING
HANDLES

WH360
WH360L
72L9
72L11

WH360
WH360L
72L9
72L11

WH360
WH360L
72L9
72L11

WH360
WH360L
72L9
72L11

WH360
WH360L
72L9
72L11

WH350

WH250
WH550
71

WH550
WH250
71

WH550
WH250
71

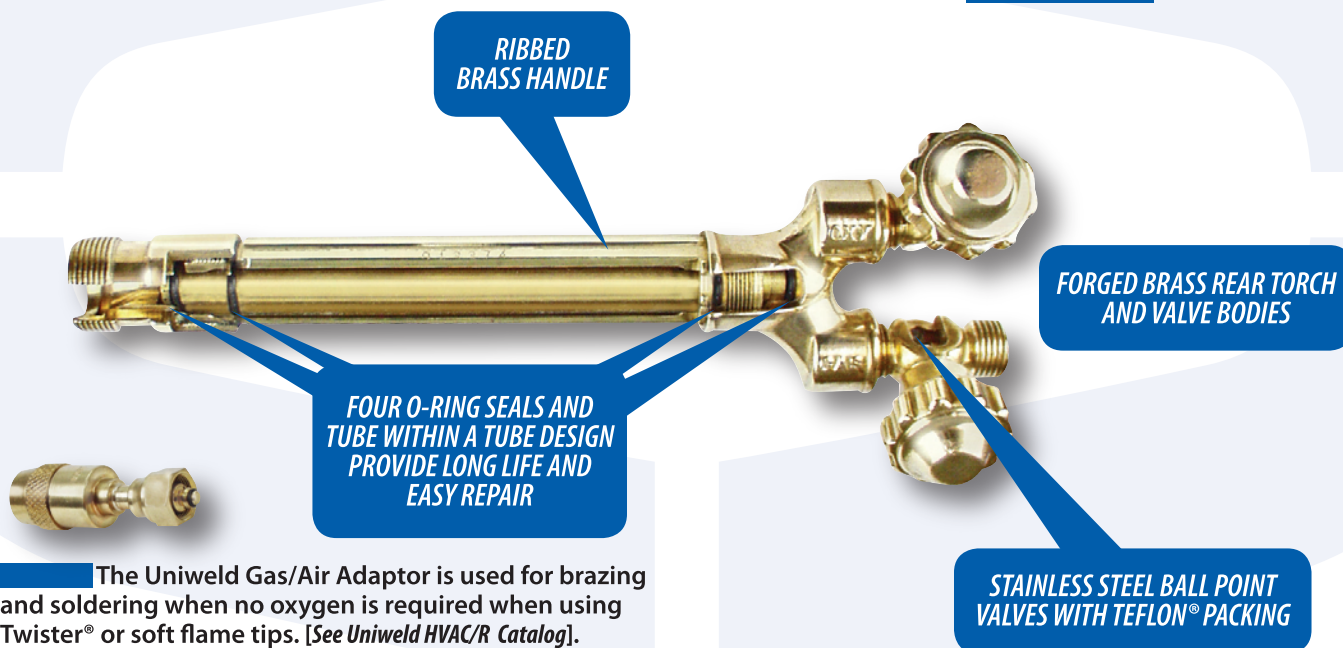
*SEE PAGES 14-24, 63 FOR ALL GASES CUTTING TIPS AND SPECIAL PURPOSE TIP SELECTION



WELDING HANDLES

V-STYLE

WH360



The Uniweld Gas/Air Adaptor is used for brazing and soldering when no oxygen is required when using Twister® or soft flame tips. [See Uniweld HVAC/R Catalog].

Use an F11 Adaptor to convert the 71, WH250 and WH550 handles [Screw Connect].

Use an F13 Adaptor to convert the 71, WH250 and WH550 handles [Quick Connect].

Use an F12 Adaptor for the WH350 handle [Screw Connect].



[See pg. 10]

PART# UPC#	WH360 00150	WH360L 00151	72L9** 00350	72L11** 00351	WH350 00100	WH250 00001	WH550 00550	71** 00300
LENGTH	9"	11"	8-3/4"	11"	8-1/2"	8-1/2"	8-1/2"	6"
WEIGHT	18 OZ.	24 OZ.	18 OZ.	23 OZ.	12 OZ.	12 OZ.	11 OZ.	8 OZ.
HOSE CONNECTION	"B" 9/16"-18 THREAD						"A" 3/8"-24 THREAD	
†FLASHBACK ARRESTORS	"B" FLASHBACK ARRESTORS						"A" FLASHBACK ARRESTORS	
WELDING CAPACITY*	3"	3"	3"	3"	1-1/4"	1/4"	1/4"	1/4"
COMPATIBLE CUTTING ATTACHMENTS	780A(90°) 3-780A(90°) 780(75°) 3-780(75°) 780B(180°)	780A(90°) 3-780A(90°) 780(75°) 3-780(75°) 780B(180°)	780A(90°) 3-780A(90°) 780(75°) 3-780(75°) 780B(180°)	780A(90°) 3-780A(90°) 780(75°) 3-780(75°) 780B(180°)	CA350(90°)	CA250(90°) CA550(90°) CA100(90°)	CA550(90°) CA250(90°) CA100(90°)	CA550(90°) CA250(90°) CA100(90°)

** HAVE TWO SILVER BRAZED TUBES INSIDE A VENTED BRASS HANDLE
*SEE PAGES 26-31 FOR WELDING, BRAZING, HEATING TIPS and MIXER INFORMATION.

†Add (FB) to Part# to include U.L. Listed Flashback Arrestors on the Welding Handle. [See pg. 104]

830-21 TUBE MIX

PRECISION
SEATS

CNC PRECISION
MACHINED
FORGED BRASS HEAD

NICKEL ALLOY GAS TUBES
FOR MAXIMUM STRENGTH AND
HEAT DISSIPATION

INTERNAL HEAVY DUTY
UNIVERSAL GAS MIXER
FOR USE WITH ALL
FUEL GASES

HEAVY DUTY RIBBED
ERGONOMIC HANDLE

STAINLESS STEEL
OXYGEN CUTTING LEVER

FORGED
BRASS BODY

STAINLESS STEEL BALL POINT
VALVES WITH TEFLON® PACKING
PROMOTES DURABILITY AND
POSITIVE SHUT-OFF

FIELD
REPLACEABLE
EXTERNAL
CHECK VALVES†

**PLAY
SAFE™**
ADD
FLASHBACK
ARRESTORS
(SEE BELOW)

HEAD
ANGLES

90°

75°

180°

HEAD ANGLE	PART#	830-17	830-21	830-36	830-48	850-17	850-21	850-36	850-48	EC72740A	EC72780A
90°	UPC#	04000	04001	04002	04003	04100	04101	04102	04103	04204	04200
HEAD ANGLE	PART#	831-17	831-21	831-36	831-48		851-21	851-36	851-48	EC72740	EC72780
75°	UPC#	04010	04011	04012	04013		04111	04112	04113	04205	04201
HEAD ANGLE	PART#		832-21	832-36	832-48		852-21	852-36	852-48		
180°	UPC#	-	04021	04022	04023		04121	04122	04123		
TORCH LENGTH		17"	21"	36"	48"	17"	21"	36"	48"	16"	16"
WEIGHT		52 OZ.	58 OZ.	71 OZ.	84 OZ.	52 OZ.	58 OZ.	71 OZ.	84 OZ.	38 OZ.	38 OZ.
LEVER POSITION		TOP REAR	TOP REAR	TOP REAR	TOP REAR	BOT'M REAR	BOT'M REAR	BOT'M REAR	BOT'M REAR	TOP CENTER	TOP CENTER
CUTTING CAPACITY*		12"	12"	12"	12"	12"	12"	12"	12"	7"	8"
ACETYLENE TIP SERIES		1-101	1-101	1-101	1-101	1-101	1-101	1-101	1-101	3-101	1-101

***SEE PAGES 14-24 FOR ALL GASES CUTTING TIPS and
SPECIAL PURPOSE TIP SELECTION**

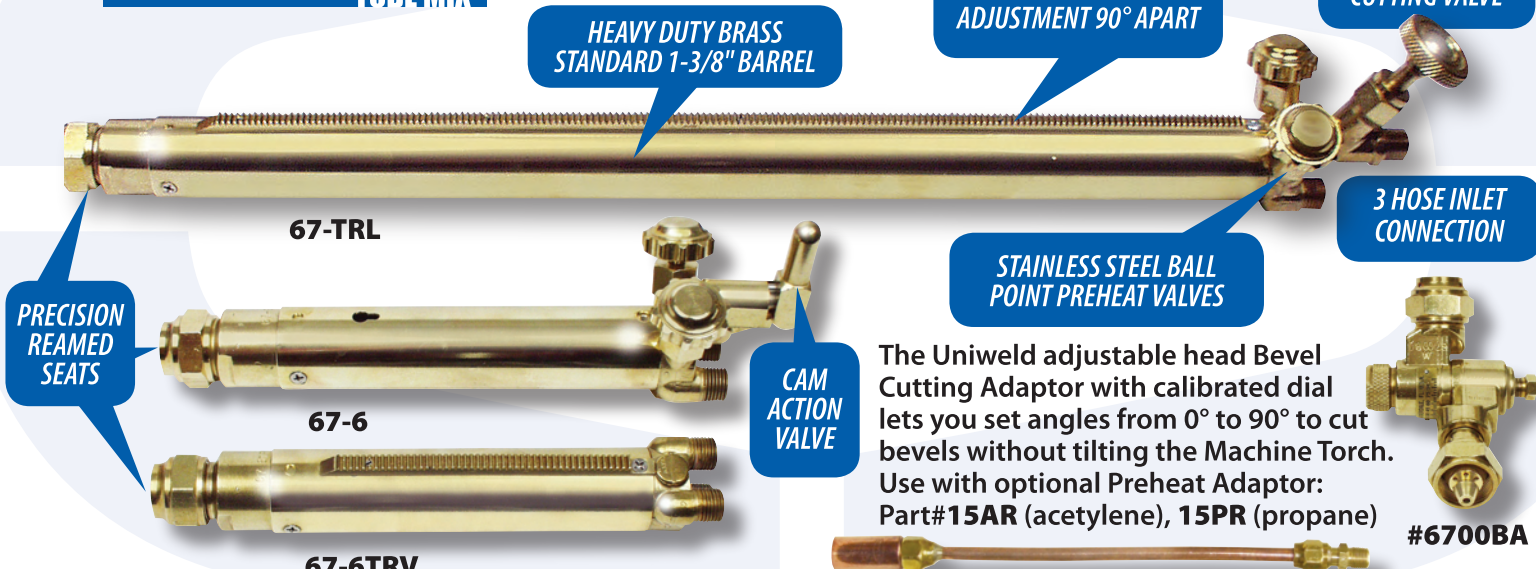
Hand Cutting Torches come with Check Valves installed. Add (FB) to Part# to substitute U.L. Listed Flashback Arrestors for Check Valves. Uniweld Check Valves & Flashback Arrestors are both field replaceable [See pg. 104]



TORCHES MACHINE CUTTING

V-STYLE

67 & 67F SERIES TUBE MIX



67 SERIES FOR ACETYLENE ONLY

PART# UPC#	67-6 04301	67 04304	67-6R 04302	67-R 04305
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"

PART# UPC#	67-T 04306	67-TL 04308	67-6TR 04303	67-TR 04307	67-TRL 04309
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	12"	12"	12"	12"	12"

PART# UPC#	67-6TV 04320	67-6TRV 04300
BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	12"	12"

67F SERIES FOR FUEL GAS ONLY

PART# UPC#	67F-6 04311	67F 04314	67F-6R 04312	67F-R 04315
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"


PART# UPC#	67F-T 04316	67F-TL 04318	67F-6TR 04313	67F-TR 04317	67F-TRL 04319
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	12"	12"	12"	12"	12"

PART# UPC#	67F-6TV 04321	67F-6TRV 04310
BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	12"	12"


Hose connections: "B" 9/16"-18. Racks [R] supplied with standard 32 pitch (10.12 teeth/inch). 24 pitch (7.65 teeth/inch) available on request.

*SEE PAGES 14-24 FOR ALL GASES CUTTING TIPS.

ACETYLENE

USE WITH SERIES			APPLICATION	TIP STYLE	ONE PIECE								
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH	I.P.M.		
	780	830, 850 EC72780	67 SERIES	GENERAL PURPOSE CUTTING MACHINE CUTTING	1-101-000	1/8"	71	20/25	20/25	5	5	28/32	.04
					1-101-00	1/4"	67	20/25	30/35	5	6	27/30	.05
					1-101-0	3/8"	60	25/30	55/60	5	8	24/28	.06
					1-101-0	1/2"	60	30/35	60/65	5	10	20/24	.06
					1-101-1	3/4"	56	30/35	80/85	5	13	17/21	.07
					1-101-2	1"	53	35/40	140/150	6	16	15/19	.09
					1-101-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
					1-101-3	2"	50	40/45	210/225	9	22	12/15	.11
					1-101-3	2-1/2"	50	45/50	225/240	10	26	10/13	.11
					1-101-4	3"	45	40/50	270/320	10	30	9/12	.12
					1-101-5	4"	39	45/55	390/425	12	34	8/11	.15
					1-101-5	5"	39	50/55	425/450	13	38	7/9	.15
					1-101-6	6"	31	45/55	500/600	13	44	6/8	.18
					1-101-6	8"	31	50/80	500/600	14	50	5/6	.19
					1-101-7	10"	28	50/80	700/850	15	56	4/5	.34
					1-101-8	12"	20	55/85	900/1000	15	62	3/5	.41

1-101
[ONE PIECE]

USE WITH SERIES			APPLICATION	TIP STYLE	ONE PIECE								
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH	I.P.M.		
	780	830, 850 EC72780	67 SERIES	GENERAL CUTTING CLOSE QUARTERS HAND AND MACHINE CUTTING	1-101-30-0	3/8"	60	25/30	55/60	5	8	24/28	.06
					1-101-30-0	1/2"	60	30/35	60/65	5	10	20/24	.06
					1-101-30-1	3/4"	56	30/35	80/85	5	13	17/21	.07
					1-101-30-2	1"	53	35/40	140/150	6	16	15/19	.09
					1-101-30-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09

1-101-30 [30°]
[ONE PIECE]


TECH TIP

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 may cause tip damage, overheating, backfire and flashback.

1-101-30 (30°)
[ONE PIECE]

**TECH
TIP**

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 may cause tip damage, overheating, backfire and flashback.

USE WITH SERIES			APPLICATION	TIP STYLE	ONE PIECE							
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH
							PSIG	SCFH	PSIG	SCFH		
<div>CA250 CA350 3-780</div> <div></div> <div>3-101 [ONE PIECE]</div>	EC72740	N/A	GENERAL PURPOSE CUTTING	3-101-000	1/8"	71	20/25	20/25	5	5	28/32	.04
				3-101-00	1/4"	67	20/25	30/35	5	6	27/30	.05
				3-101-0	3/8"	60	25/30	55/60	5	8	24/28	.06
				3-101-0	1/2"	60	30/35	60/65	5	10	20/24	.06
				3-101-1	3/4"	56	30/35	80/85	5	13	17/21	.07
				3-101-2	1"	53	35/40	140/150	6	16	15/19	.09
				3-101-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
				3-101-3	2"	50	40/45	210/225	9	22	12/15	.11
				3-101-3	2-1/2"	50	45/50	225/240	10	26	10/13	.11
				3-101-4	3"	45	40/50	270/320	10	30	9/12	.12
				3-101-5	4"	39	45/55	390/425	12	34	8/11	.15
				3-101-5	5"	39	50/55	425/450	13	38	7/9	.15

3-101
[ONE PIECE]



NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.






TIPS CUTTING


V-STYLE

ACETYLENE

USE WITH SERIES			APPLICATION	TIP STYLE		ONE PIECE							
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH			
CA550	N/A	N/A	GENERAL PURPOSE CUTTING	5-101-00	1/4"	67	20/25	30/35	5	6	27/30	.05	
 5-101 [ONE PIECE] 				5-101-0	3/8"	60	25/30	55/60	5	8	24/28	.06	
				5-101-0	1/2"	60	30/35	60/65	5	10	20/24	.06	
				5-101-1	3/4"	56	30/35	80/85	5	13	17/21	.07	
				5-101-2	1"	53	35/40	140/150	6	16	15/19	.09	
				5-101-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09	

USE WITH SERIES			APPLICATION	TIP STYLE		ONE PIECE						
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH
							PSIG	SCFH	PSIG	SCFH		
 1-108 [ONE PIECE]	780	830, 850 EC72780	REMOVING BOILER TUBES WORK IN CONFINED SPACES	1-108-0	3/8"	60	25/30	55/60	5	8	24/28	.06
				1-108-0	1/2"	60	30/35	60/65	5	10	20/24	.06
				1-108-1	3/4"	56	30/35	80/85	5	13	17/21	.07
				1-108-2	1"	53	35/40	140/150	6	16	15/19	.09
				1-108-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
				1-108-3	2"	50	40/45	210/225	9	22	12/15	.11
				1-108-3	2-1/2"	50	45/50	225/240	10	26	10/13	.11
				1-108-4	3"	45	40/50	270/320	10	30	9/12	.12

USE WITH SERIES			APPLICATION	TIP STYLE		ONE PIECE						
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH
							PSIG	SCFH	PSIG	SCFH		
CA250, CA350 3-780	EC72740	N/A	REMOVING BOILER TUBES TIGHT SPACES	3-108-2	1"	53	35/40	140/150	6	16	15/19	.09
				3-108-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
				TECH TIP <i>The preheat flame ports and the cutting oxygen orifice are sized for the thickness range of metal that the tip is designed to cut.</i>								
3-108 [ONE PIECE]												

USE WITH SERIES			APPLICATION	TIP STYLE		ONE PIECE							
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH			
780	830, 850 EC72780	N/A	DRAG TYPE FOR HAND CUTTING AND TRIMMING	1-110-0	3/8"	60	25/30	55/60	5	8	24/28	.06	
				1-110-0	1/2"	60	30/35	60/65	5	10	20/24	.06	
				1-110-2	1"	53	35/40	140/150	6	16	15/19	.09	
				1-110-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09	
				TECH TIP Cutting tips are precision machined copper-alloy parts of various designs and sizes. They are held in the cutting torch by a tip nut.									
1-110 [ONE PIECE]													

TECH TIP



Cutting tips have a metal to metal seating, so be sure to tighten the tip nut at 9 lbs. of torque. Do not overtighten.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

ACETYLENE

USE WITH SERIES HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES			APPLICATION	TIP STYLE	ONE PIECE CUTTING OXYGEN						SPEED I.P.M.	KERF WIDTH
CUTTING ATTACHMENT	CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	PSIG	SCFH	ACETYLENE PSIG	SCFH		
780	830, 850 EC72780	67 SERIES	RIVET HEADS	1-112-0	3/8"	60	25/30	55/60	5	8	24/28	.06
			TRIMMING CUTTING	1-112-0	1/2"	60	30/35	60/65	5	10	20/24	.06
				1-112-2	1"	53	35/40	140/150	6	16	15/19	.09
				1-112-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
				1-112-4	3"	45	40/50	270/320	10	30	9/12	.12



1-112 [ONE PIECE]

USE WITH SERIES HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES			APPLICATION	TIP STYLE	ONE PIECE CUTTING OXYGEN						SPEED I.P.M.	KERF WIDTH
CUTTING ATTACHMENT	CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	PSIG	SCFH	ACETYLENE PSIG	SCFH		
CA250	EC72740	N/A	CUTTING CLOSE TO BULKHEADS	3-112-1	3/4"	56	30/35	80/85	5	13	17/21	.07
CA350				3-112-2	1"	53	35/40	140/150	6	16	15/19	.09
3-780			RIVET HEADS	3-112-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09



3-112 [ONE PIECE]

TECH TIP

Acetylene cutting tips are usually one piece with drilled and swaged flame ports.

USE WITH SERIES HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES			APPLICATION	TIP STYLE	ONE PIECE CUTTING OXYGEN						SPEED I.P.M.	KERF WIDTH
CUTTING ATTACHMENT	CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	PSIG	SCFH	ACETYLENE PSIG	SCFH		
780	830, 850 EC72780	N/A	GOUGING	1-118-0	3/8"	60	25/30	55/60	5	8	24/28	.06
			REMOVING WELDS	1-118-0	1/2"	60	30/35	60/65	5	10	20/24	.06
				1-118-2	1"	53	35/40	140/150	6	16	15/19	.09
				1-118-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
				1-118-4	3"	45	40/50	270/320	10	30	9/12	.12
				1-118-6	6"	31	45/55	500/600	13	44	6/8	.18
				1-118-6	8"	31	50/80	500/600	14	50	5/6	.19
				1-118-8	12"	20	55/85	900/1000	15	62	3/5	.41



1-118 [ONE PIECE]

USE WITH SERIES HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES			APPLICATION	TIP STYLE	ONE PIECE CUTTING OXYGEN						SPEED I.P.M.	KERF WIDTH
CUTTING ATTACHMENT	CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	PSIG	SCFH	ACETYLENE PSIG	SCFH		
CA250	EC72740	N/A	GOUGING	3-118-2	1"	53	35/40	140/150	6	16	15/19	.09
CA350			RIVET WASHING	3-118-2	1-1/2"	53	40/45	150/160	7	18	13/17	.09
3-780			WELD PREP									



3-118 [ONE PIECE]

TECH TIP

The torch cutting tip contains a number of preheat flame ports and a center passage for the cutting oxygen. The preheat flames are used to heat the metal to a temperature where the metal will react with the cutting oxygen.

USE WITH SERIES HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES			APPLICATION	TIP STYLE	ONE PIECE CUTTING OXYGEN						SPEED I.P.M.	KERF WIDTH
CUTTING ATTACHMENT	CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	PSIG	SCFH	ACETYLENE PSIG	SCFH		
780A	830, 850 EC72780	67 SERIES	GENERAL CUTTING	1-101L-4	3"	45	40/50	270/320	10	30	9/12	.12
				1-101L-6	8"	31	50/80	500/600	14	50	5/6	.19




1-101L [ONE PIECE]-10" Length



TIPS CUTTING

V-STYLE

ACETYLENE

USE WITH SERIES			APPLICATION	TIP STYLE		SPECIALTY HEATING ASSEMBLY				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	SPECIALTY HEATING TIP TURNS CUTTING TORCH INTO A MULTI FLAME HEATING TIP	PREHEAT OXYGEN		ACETYLENE		BTUs
						PSIG	SCFH	PSIG	SCFH	
N/A	830, 850 EC72780	N/A	MULTI-FLAME HEATING WITH MAX. TORCH PRESSURE	1-126-6		70/80	15/44	12/15	14/40	20,500/58,800
				1-126-8		70/80	33/88	12/15	30/80	44,000/117,500
				1-126-10*		70/80	40/110	12/15	40/100	58,800/147,000
				1-126-12*		70/80	66/165	12/15	60/150	88,200/220,500

1-126 [TWO PIECE]

*NOTE: Use sizes #6 and #8 with cutting attachment 780 and EC72780 only. Use sizes #10 and #12 with 830 and 850 series only. *Use 3/8" hose only, Manifold Acetylene Cylinders*

NATURAL GAS/PROPANE

USE WITH SERIES			APPLICATION	TIP STYLE		TWO PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS	
							PSIG	SCFH	PSIG	SCFH
780	830, 850 EC72780	67F SERIES	GENERAL PURPOSE MACHINE CUTTING	GPN-000	1/8"	71	20/25	12/15	5	5/6
				GPN-00	1/4"	67	20/25	22/26	5	5/7
				GPN-0	3/8"	60	25/30	45/55	5	8/10
				GPN-0	1/2"	60	30/35	50/55	5	8/10
				GPN-1	3/4"	56	30/35	70/80	6	10/12
				GPN-2	1"	53	35/40	115/125	8	12/15
				GPN-2	1-1/2"	53	40/45	125/135	9	12/15
				GPN-3	2"	50	40/45	150/175	9	14/18
				GPN-3	2-1/2"	50	45/50	175/200	10	14/18
				GPN-4	3"	45	45/50	210/250	12	16/20
				GPN-5	4"	39	45/55	300/360	12	20/30
				GPN-5	5"	39	50/55	300/360	12	20/30
				GPN-6	6"	31	45/55	400/500	15	25/35
				GPN-6	8"	31	55/65	450/500	15	25/35
				GPN-8	12"	20	60/70	750/850	14	25/120

GPN [TWO PIECE]

TECH TIP

When a piece is cut by an oxygen cutting process, a narrow width of metal is progressively removed. The width of the cut is called a **Kerf**. Kerf width is a result of the type of tip used, the tip size, the flow rate of oxygen and preheating gases and the speed of cutting.

USE WITH SERIES			APPLICATION	TIP STYLE		TWO PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS	
							PSIG	SCFH	PSIG	SCFH
CA250, CA350 3-780	EC72740	N/A	GENERAL PURPOSE CUTTING	3-GPN-00	1/4"	67	20/25	22/26	5	5/7
				3-GPN-0	3/8"	60	25/30	45/55	5	8/10
				3-GPN-0	1/2"	60	30/35	50/55	5	8/10
				3-GPN-1	3/4"	56	30/35	70/80	6	10/12
				3-GPN-2	1"	53	35/40	115/125	8	12/15
				3-GPN-2	1-1/2"	53	40/45	125/135	9	12/15
				3-GPN-3	2"	50	40/45	150/175	9	14/18
				3-GPN-3	2-1/2"	50	45/50	175/200	10	14/18
				3-GPN-4	3"	45	45/50	210/250	12	16/20

3-GPN [TWO PIECE]

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

1-200-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
1-200-0	1/2"	60	30/35	50/55	5	8/10	18/22	.06
1-200-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
1-200-2	1"	53	35/40	115/125	8	12/15	14/18	.09
1-200-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09
1-200-3	2"	50	40/45	150/175	9	14/18	10/14	.10
1-200-3	2-1/2"	50	45/50	175/200	10	14/18	9/12	.11
1-200-4	3"	45	45/50	210/250	12	16/20	8/11	.12
1-200-5	4"	39	45/55	300/360	12	20/30	7/10	.15
1-200-5	5"	39	50/55	300/360	12	20/30	6/9	.15

18



TIPS CUTTING

V-STYLE

NATURAL GAS/PROPANE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
CA550	N/A	N/A	GENERAL PURPOSE CUTTING



**5-200
[ONE PIECE]**



TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
5-200-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
5-200-0	1/2"	60	30/35	50/55	5	8/10	18/22	.06
5-200-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
5-200-2	1"	53	35/40	115/125	8	12/15	14/18	.09
5-200-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09

TECH TIP

For proper combustion during cutting, propane (C₃H₈) requires 4 to 4-1/2 times its volume of preheat oxygen.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
780	830, 850 EC72780	67F SERIES	RIVET REMOVAL

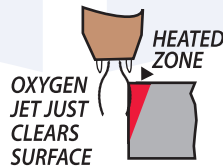


1-207 [ONE PIECE]



TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
1-207 #4	3"	45	45/50	210/250	12	16/20	8/11	.12

TECH TIP



To start a cut on an edge, place the preheat flames halfway over the edge, holding the end of the flame cones 1/8" above the surface of the material to be cut. When the top corner reaches a reddish yellow, the cutting oxygen valve is opened and the cutting process begins.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
780	830, 850 EC72780	67F SERIES	BULKHEADS RIVET HEADS MACHINE CUTTING



**1-212
[ONE PIECE]**



TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
1-212-2	1"	53	35/40	115/125	8	12/15	14/18	.09
1-212-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09

TECH TIP

Backfire is the momentary retrogression of the flame into the torch that is usually signaled by a popping sound. The flame may either extinguish or re-ignite at the end of the tip. **Sustained backfire** (flashback) is the retrogression of flame into the torch with continued burning inside the torch. This event can be identified by an initial popping sound followed by a squealing or hissing sound caused by continued burning inside the torch. **When it occurs, the torch oxygen valve should be turned off immediately; and then the fuel gas valve.**

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
780	830, 850 EC72780	67F SERIES	SCRAPING GOUGING WELD REMOVAL



**1-234
[ONE PIECE]**



TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
1-234-2	1"	53	35/40	115/125	8	12/15	14/18	.09
1-234-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09





TECH TIP

Flashback is the return of the flame through the torch and into the hose and/or regulator and can potentially cause an explosion at any point in the system. It may also reach the cylinder. This event is caused by oxygen and fuel mixing in one side of the oxy-fuel system and subsequently being ignited at the tip and by reverse flow of one gas into the other side of the system. **When it occurs, the torch oxygen valve should be turned off immediately; and then the fuel gas valve.**

NOTE: Minimum oxygen requirement: 90 P.S.I.G.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

NATURAL GAS/PROPANE

USE WITH SERIES			APPLICATION	TIP STYLE	ONE PIECE								
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH			
	780	830, 850 EC72780	67F SERIES	GOUGING	1-218-4	3"	45	45/50	210/250	9	22/110	8/11	.12
					1-218-6	6"	31	45/55	400/500	10	22/110	5/7	.17
					1-218-6	8"	31	55/65	450/500	12	22/110	4/6	.18
					1-218-8	12"	20	60/70	750/850	14	25/120	3/4	.41
					1-218-10	13"	13	45/55	1000/1200	16	25/120	2/4	-
				<div>TECH TIP</div> Oxygen used for cutting should have a purity of 99.5% or higher. Lower purity reduces the efficiency of the cutting operation.									

1-218 [ONE PIECE]



TECH TIP



For a plate thickness of 1/2" or more, the cutting tip should be held perpendicular to the plate. When cutting a thinner plate, the tip can be tilted in the direction of the cut. Tilting increases the cutting speed and helps prevent slag from freezing across the kerf.

USE WITH SERIES			APPLICATION	TIP STYLE	SPECIALTY HEATING ASSEMBLY		
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	SPECIALTY HEATING TIP TURNS CUTTING TORCH INTO A MULTI FLAME HEATING TIP	OXYGEN PSIG	FUEL GAS PSIG
N/A	830, 850	N/A	MULTIFLAME HEATING AT MAXIMUM PRESSURE	1-209N-10		70/80	12/15
				1-209N-12		70/80	12/15
				NOTE: Not for use with cutting attachments			
				TECH TIP Natural gas produces a lower flame temperature and a lower heating efficiency. Specialty tips designed to provide a heavy preheat flame should be considered.			

(MFTN)
1-209N [ONE PIECE]

PROPYLENE

USE WITH SERIES			APPLICATION	TIP STYLE	TWO PIECE							
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
							PSIG	SCFH	PSIG	SCFH		
780	830, 850 EC72780	67F SERIES	SCRAP AND BEVEL CUTTING	HPP-1	3/4"	56	30/35	70/80	6	22/110	15/20	.08
				HPP-2	1"	53	35/40	115/125	6	22/110	14/18	.09
				HPP-2	1-1/2"	53	40/45	125/135	8	22/110	12/16	.09
				HPP-3	2"	50	40/45	150/175	8	22/110	10/14	.10
				HPP-3	2-1/2"	50	45/50	175/240	9	22/110	9/12	.10
				HPP-4	3"	45	45/50	210/250	9	22/110	8/11	.12
				HPP-5	4"	39	45/55	300/360	9	22/110	7/10	.14
				HPP-5	5"	39	50/55	330/360	10	22/110	6/9	.14



HPP [TWO PIECE]



HPP [TWO PIECE]


NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.



TIPS CUTTING

V-STYLE


PROPYLENE

USE WITH SERIES			APPLICATION	TIP STYLE	TWO PIECE								
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH			
 GPP [TWO PIECE]	780	830, 850 EC72780	67F SERIES	GENERAL PURPOSE AND MACHINE CUTTING	GPP-000	1/8"	71	20/25	12/15	5	5/6	24/28	.04
					GPP-00	1/4"	67	20/25	22/26	5	5/7	21/25	.05
					GPP-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
					GPP-0	1/2"	60	30/35	50/55	5	8/10	20/24	.06
					GPP-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
					GPP-2	1"	53	35/40	115/125	8	12/15	14/18	.09
					GPP-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09
					GPP-3	2"	50	40/45	150/175	9	14/18	10/14	.10
					GPP-3	2-1/2"	50	45/50	175/200	10	14/18	9/12	.11
					GPP-4	3"	45	45/50	210/250	12	16/20	8/11	.12
					GPP-5	4"	39	45/55	300/360	12	20/30	7/10	.15
					GPP-5	5"	39	50/55	300/360	12	20/30	6/9	.15
					GPP-6	6"	31	45/55	400/500	15	25/35	5/7	.17
					GPP-6	8"	31	55/65	450/500	15	25/35	4/6	.18
					GPP-8	12"	20	60/70	750/850	14	25/120	3/4	.41



**GPP
[TWO PIECE]**





USE WITH SERIES			APPLICATION	TIP STYLE		TWO PIECE						
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
							PSIG	SCFH	PSIG	SCFH		
<div>780</div> 	830, 850 EC72780	67F SERIES	GENERAL PURPOSE AND MACHINE CUTTING	3-GPP-00	1/4"	67	20/25	22/26	5	5/7	21/25	.05
				3-GPP-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
				3-GPP-0	1/2"	60	30/35	50/55	5	8/10	20/24	.06
				3-GPP-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
				3-GPP-2	1"	53	35/40	115/125	8	12/15	14/18	.09
				3-GPP-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09
				3-GPP-3	2"	50	40/45	150/175	9	14/18	10/14	.10
				3-GPP-3	2-1/2"	50	45/50	175/200	10	14/18	9/12	.11
				3-GPP-4	3"	45	45/50	210/250	12	16/20	8/11	.12



**3-GPP
[TWO PIECE]**



USE WITH SERIES			APPLICATION	TIP STYLE		TWO PIECE							
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH	
							PSIG	SCFH	PSIG	SCFH			
<div>780</div> <div>830, 850 EC72780</div> <div>67F SERIES</div> <div>GENERAL PURPOSE AND MACHINE CUTTING</div> <div></div> <div><div>MTHP</div><div>[TWO PIECE]</div></div> <div></div>				<div>[</div> MTHP-00	1/4"	N/A	85/98	68/75	5	65	20/30	.05	<div>]</div>
				MTHP-00	3/8"	N/A	85/95	68/75	5	65	22/29	.05	
				MTHP-0	1/2"	N/A	85/95	110/120	5	65	20/28	.06	
				MTHP-0	3/4"	N/A	85/95	110/120	5	65	18/26	.06	
				MTHP-1	1"	N/A	85/95	145/160	6	65	17/24	.07	
				MTHP-1	1-1/2"	N/A	85/95	145/160	7	65	12/16	.07	
				MTHP-2	2"	N/A	85/95	230/250	9	65	12/15	.09	
				MTHP-2	2-1/2"	N/A	85/95	230/250	10	65	10/13	.09	
				MTHP-2	3"	N/A	85/95	230/250	10	65	9/12	.09	
				MTHP-3	4"	N/A	85/95	285/320	12	65	7/10	.11	
				MTHP-3	5"	N/A	85/95	285/320	13	65	6/8	.11	
				MTHP-3	6"	N/A	85/95	285/320	13	65	5/7	.11	
				MTHP-4	8"	N/A	85/95	390/450	14	65	4/6	.14	
				MTHP-5	10"	N/A	85/95	670/720	15	65	3/5	.18	



**MTHP
[TWO PIECE]**



NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA550 N/A N/A



5-200M [ONE PIECE]

GENERAL
PURPOSE
CUTTING

TIP STYLE

ONE PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		

5-200M-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
5-200M-0	1/2"	60	30/35	50/55	5	8/10	18/22	.06
5-200M-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
5-200M-2	1"	53	35/40	115/125	8	12/15	14/18	.09
5-200M-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09

TECH TIP

One volume of propylene requires 3.6 volumes of torch supplied oxygen for maximum flame temperature.

LIQUID AIR® FUEL GAS/MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

780 830, 850 67F
EC72780 SERIESGPM
[TWO PIECE]GENERAL
PURPOSE

MACHINE
CUTTING

TIP STYLE

TWO PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		

GPM-000	1/8"	71	20/25	12/15	5	5/6	24/28	.04
GPM-00	1/4"	67	20/25	22/26	5	5/7	21/25	.05
GPM-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
GPM-0	1/2"	60	30/35	50/55	5	8/10	20/24	.06
GPM-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
GPM-2	1"	53	35/40	115/125	8	12/15	14/18	.09
GPM-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09
GPM-3	2"	50	40/45	150/175	9	14/18	10/14	.10
GPM-3	2-1/2"	50	45/50	175/200	10	14/18	9/12	.11
GPM-4	3"	45	45/50	210/250	12	16/20	8/11	.12
GPM-5	4"	39	45/55	300/360	12	20/30	7/10	.15
GPM-5	5"	39	50/55	300/360	12	20/30	6/9	.15
GPM-6	6"	31	45/55	400/500	15	25/35	5/7	.17
GPM-6	8"	31	55/65	450/500	15	25/35	4/6	.18
GPM-8	12"	20	60/70	750/850	14	25/120	3/4	.41

TECH TIP

The advantages of oxyfuel gas cutting include: Equipment is very portable and can be used in the field. Cutting direction can be changed rapidly on a small radius during operation. Large plates can be cut rapidly in place by moving the torch rather than the plate. Equipment costs are lower than machine tools.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA250, CA350 EC72740 N/A
3-7803-GPM
[TWO PIECE]GENERAL
PURPOSE
CUTTING

TIP STYLE

TWO PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		

3-GPM-00	1/4"	67	20/25	22/26	5	5/7	21/25	.05
3-GPM-0	3/8"	60	25/30	45/55	5	8/10	20/24	.06
3-GPM-0	1/2"	60	30/35	50/55	5	8/10	20/24	.06
3-GPM-1	3/4"	56	30/35	70/80	6	10/12	15/20	.08
3-GPM-2	1"	53	35/40	115/125	8	12/15	14/18	.09
3-GPM-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09

TECH TIP

Safety first: Shade #5 tinted goggles, heavy duty welding/cutting gloves and protective clothing should always be used.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.



TIPS CUTTING

V-STYLE

LIQUID AIR® FUEL GAS/MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION	TIP STYLE		TWO PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS	
							PSIG	SCFH	PSIG	SCFH
N/A	N/A	67 SERIES	HIGH SPEED MACHINE CUTS TO 10"	MTHM-00	1/4"	N/A	85/98	68/75	5	65
				MTHM-00	3/8"	N/A	85/95	68/75	5	65
				MTHM-0	1/2"	N/A	85/95	110/120	5	65
				MTHM-0	3/4"	N/A	85/95	110/120	5	65
				MTHM-1	1"	N/A	85/95	145/160	6	65
				MTHM-1	1-1/2"	N/A	85/95	145/160	7	65
				MTHM-2	2"	N/A	85/95	230/250	9	65
				MTHM-2	2-1/2"	N/A	85/95	230/250	10	65
				MTHM-2	3"	N/A	85/95	230/250	10	65
				MTHM-3	4"	N/A	85/95	285/320	12	65
				MTHM-3	5"	N/A	85/95	285/320	13	65
				MTHM-3	6"	N/A	85/95	285/320	13	65
				MTHM-4	8"	N/A	85/95	390/450	14	65
				MTHM-5	10"	N/A	85/95	670/720	15	65



MTHM
[TWO PIECE]



USE WITH SERIES			APPLICATION	TIP STYLE		TWO PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS	
							PSIG	SCFH	PSIG	SCFH
780	830, 850 EC72780	67 SERIES	SCRAP CUTTING BEVELING PIERCING	HPM-4	3"	45	45/50	210/250	9	22/110
				HPM-6	6"	31	45/55	400/500	10	22/110
				HPM-6	8"	31	55/65	450/500	12	22/110
				HPM-8	12"	20	60/70	750/850	14	25/120



HPM
[TWO PIECE]



TECH TIP

It is often necessary to begin a cut at some point other than on the edge of a piece of metal. This technique is known as **piercing**. Piercing requires a larger preheat flame than the one used for an edge start. The tip should be angled and lifted up as the cutting oxygen valve is opened. The torch is held stationary until the cutting jet pierces through the plate.

USE WITH SERIES			APPLICATION	TIP STYLE		ONE PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS	
							PSIG	SCFH	PSIG	SCFH
780	830, 850 EC72780	67 SERIES	GENERAL PURPOSE CUTTING	1-303MP-00	1/4"	67	20/25	22/26	5	5/7
				1-303MP-0	3/8"	60	25/30	45/55	5	8/10
				1-303MP-0	1/2"	60	30/35	50/55	5	8/10
				1-303MP-1	3/4"	56	30/35	70/80	6	10/12
				1-303MP-2	1"	53	35/40	115/125	8	12/15
				1-303MP-2	1-1/2"	53	40/45	125/135	9	12/15
				1-303MP-3	2"	50	40/45	150/175	9	14/18
				1-303MP-3	2-1/2"	50	45/50	175/200	10	14/18
				1-303MP-4	3"	45	45/50	210/250	12	16/20
				1-303MP-5	4"	39	45/55	300/360	12	20/30
				1-303MP-5	5"	39	50/55	300/360	12	20/30
				1-303MP-6	6"	31	45/55	400/500	15	25/35
				1-303MP-6	8"	31	55/65	450/500	15	25/35



1-303MP
[ONE PIECE]



NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

LIQUID AIR® FUEL GAS/MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
780	830, 850 EC72780	N/A	CUTTING CLOSE TO BULKHEADS RIVET HEADS

**1-312MP**
[ONE PIECE]

TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
1-312MP-2	1"	53	35/40	115/125	8	12/15	14/18	.09
1-312MP-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09

TECH TIP



The most widely accepted manner to light the torch is to open the fuel gas valve slightly and light the gas with a spark lighter. Adjust the gas until a stable flame is maintained at the end of the tip. Open the oxygen preheat valve slowly and increase the flow until the desired flame is achieved.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
780	830, 850 EC72780	67 SERIES	GOUGING SCARFING RIVET CUTTING

**1-318MP**
[ONE PIECE]

TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
1-318MP-4	3"	45	45/50	210/250	12	16/20	8/11	.12
1-318MP-6	6"	31	45/55	400/500	15	25/35	5/7	.17
1-318MP-8	8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TECH TIP

Propane is used regularly for oxygen cutting in a number of plants because of its availability and its much higher total heat value (MJ/m³) than natural gas. For proper combustion during cutting, propane requires 4 to 4-1/2 times its volume of preheat oxygen. This requirement is offset somewhat by its higher heat value. It is stored in liquid form and easily transported to the work site.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
CA250, CA350 3-780	EC72740	N/A	GOUGING SCARFING RIVET CUTTING

**3-318MP** [ONE PIECE]

TIP STYLE		ONE PIECE						
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
3-318MP-2	1"	53	35/40	115/125	8	12/15	14/18	.09
3-318MP-2	1-1/2"	53	40/45	125/135	9	12/15	12/16	.09
3-318MP-4	3"	45	45/50	210/250	12	16/20	8/11	.12

TECH TIP

A backfire is the momentary retrogression of the flame into the torch tip followed by immediate reappearance or complete extinguishing of the flame. If this condition continues, the torch or the tips, or both, should be removed from service for cleaning or possible repair.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.



TIPS WELDING/HEATING

V-STYLE

OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT. GAS

APPLICATION
WELDING
HEATING
BRAZING
SOLDERING

1



TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
TYPE1-00 TYPE1-0 TYPE1-1 TYPE1-2 TYPE1-3 TYPE1-4 TYPE1-5 TYPE1-6	TYPE1-00	TYPE1TE-00	N/A	5/16"-27(M,F)	1/64"- 3/64"	5	5	2.5	WH360 WH360L 72L9 72L11
	TYPE1-0	TYPE1TE-0	N/A	5/16"-27(M,F)	1/32"- 5/64"	5	5	4	
	TYPE1-1	TYPE1TE-1	N/A	5/16"-27(M,F)	3/64"-3/32"	5	5	6	
	TYPE1-2	TYPE1TE-2	N/A	5/16"-27(M,F)	1/16"- 1/8"	5	5	10	
	TYPE1-3	TYPE1TE-3	N/A	3/8"-27(M,F)	1/8"- 3/16"	7	6	18	
	TYPE1-4	TYPE1TE-4	N/A	3/8"-27(M,F)	3/16"- 1/4"	10	7	28	
	TYPE1-5	TYPE1TE-5	N/A	7/16"-27(M,F)	1/4"- 1/2"	12	8	40	
	TYPE1-6	TYPE1TE-6	N/A	7/16"-27(M,F)	1/2"- 3/4"	14	9	52	

APPLICATION
WELDING
HEATING

BRAZING
SOLDERING

4



TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
TYPE4-000 TYPE4-00 TYPE4-0 TYPE4-1 TYPE4-2 TYPE4-3 TYPE4-4 TYPE4-5 TYPE4-6 TYPE4-7 TYPE4-8	TYPE4-000	TYPE4E-000	UM4-0	5/16"-27(M,F)	UP TO 1/32"	5	5	1.5	WH360 WH360L 72L9 72L11
	TYPE4-00	TYPE4E-00	UM4-0	5/16"-27(M,F)	1/64"- 3/64"	5	5	2.5	
	TYPE4-0	TYPE4E-0	UM4-0	5/16"-27(M,F)	1/32"- 5/64"	5	5	4	
	TYPE4-1	TYPE4E-1	UM4-1	5/16"-27(M,F)	3/64"-3/32"	5	5	6	
	TYPE4-2	TYPE4E-2	UM4-1	5/16"-27(M,F)	1/16"- 1/8"	5	5	10	
	TYPE4-3	TYPE4E-3	UM4-3	3/8"-27(M,F)	1/8"- 3/16"	7	6	18	
	TYPE4-4	TYPE4E-4	UM4-4	3/8"-27(M,F)	3/16"- 1/4"	10	7	28	
	TYPE4-5	TYPE4E-5	UM4-5	7/16"-20(M,F)	1/4"- 1/2"	12	8	40	
	TYPE4-6	TYPE4E-6	UM4-5	7/16"-20(M,F)	1/2"- 3/4"	14	9	52	
	TYPE4-7	TYPE4E-7	UM4-7	7/16"-20(M,F)	3/4"- 13/4"	16	10	66	
	TYPE4-8	TYPE4E-8	UM4-7	7/16"-20(M,F)	1 1/2"-2	19	12	82	

APPLICATION
WELDING
HEATING
BRAZING
SOLDERING

13



TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
TYPE13-000 TYPE13-00 TYPE13-0 TYPE13-1 TYPE13-2 TYPE13-3 TYPE13-4 TYPE13-5 TYPE13-6 TYPE13-7	TYPE13-000	TYPE13E-000	UM13-0	5/16"-27(M,F)	UP TO 1/32"	5	5	1.5	WH350
	TYPE13-00	TYPE13E-00	UM13-0	5/16"-27(M,F)	1/64"- 3/64"	5	5	2.5	
	TYPE13-0	TYPE13E-0	UM13-0	5/16"-27(M,F)	1/32"- 5/64"	5	5	4	
	TYPE13-1	TYPE13E-1	UM13-1	5/16"-27(M,F)	3/64"-3/32"	5	5	6	
	TYPE13-2	TYPE13E-2	UM13-2	5/16"-27(M,F)	1/16"- 1/8"	5	5	10	
	TYPE13-3	TYPE13E-3	UM13-3	5/16"-27(M,F)	1/8"- 3/16"	7	6	18	
	TYPE13-4	TYPE13E-4	UM13-4	5/16"-27(M,F)	3/16"- 1/4"	10	7	28	
	TYPE13-5	TYPE13E-5	UM13-5	3/8"-24(M,F)	1/4"- 1/2"	12	8	40	
	TYPE13-6	TYPE13E-6	UM13-5	3/8"-24(M,F)	1/2"- 3/4"	14	9	52	
	TYPE13-7	TYPE13E-7	UM13-5	3/8"-24(M,F)	3/4"- 13/4"	16	10	66	

⚠ Carefully read and understand operating instructions before using welding/heating tips.

OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT.GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
APPLICATION WELDING HEATING BRAZING SOLDERING 17	TYPE17-000	TYPE17E-000	UM17-000	1/4"-27(M,F)	UP TO 1/32"	5	5	1.5	71 WH250 WH550
	TYPE17-00	TYPE17E-00	UM17-00	1/4"-27(M,F)	1/64"- 3/64"	5	5	2.5	
	TYPE17-0	TYPE17E-0	UM17-0	1/4"-27(M,F)	1/32"- 5/64"	5	5	4	
	TYPE17-1	TYPE17E-1	UM17-1	1/4"-27(M,F)	3/64"- 3/32"	5	5	6	
	TYPE17-2	TYPE17E-2	UM17-2	1/4"-27(M,F)	1/16"- 1/8"	5	5	10	
	TYPE17-3	TYPE17E-3	UM17-3	1/4"-27(M,F)	1/8"- 3/16"	7	6	18	
	TYPE17-4	TYPE17E-4	UM17-4	1/4"-27(M,F)	3/16"- 1/4"	10	7	28	
	TYPE17-5	TYPE17E-5	UM17-5	5/16"-27(M,F)	1/4"-1/2"	12	8	40	
	TYPE17-6	TYPE17E-6	UM17-5	5/16"-27(M,F)	1/2"- 3/4"	14	9	52	
	TYPE17-7	TYPE17E-7	UM17-5	5/16"-27(M,F)	3/4"- 1 1/4"	16	10	66	



ELBOW/MIXER COMPONENTS

Elbow and mixer components for Type 4, Type 13 and Type 17 tip assemblies are also sold separately.

TYPE4E ELBOW

65°
ANGLEUSE WITH
WH360, WH360L,
72L9, 72L11
HANDLESUM4
MIXER

TYPE13E ELBOW

65°
ANGLEUM13
MIXERUSE WITH
WH350 HANDLEUSE WITH
71, WH250 AND
WH550 HANDLES

TYPE17E ELBOW

65°
ANGLEUM17
MIXER

NOTE: These tips are to be only hand tightened to the welding torch handles. Over tightening will damage the "O-Rings"

TECH TIP

Uniweld welding/heating tips are available in a variety of sizes, shapes and constructions. There are two methods of combining tips and mixers. 1. A special tip elbow may be used for each size of mixer or... 2. One or more mixers can cover the entire range of tip sizes. In the latter method, the tip elbow unscrews from its mixer; each size of mixer has a particular thread size to prevent improper coupling of a tip elbow and mixer. Remember: Tips should be periodically cleaned using Uniweld tip cleaners. Tip elbow and mixer threads and all sealing surfaces must be kept clean. A poor seal can result in leaks and a backfire or flashback may result.



TIPS BRAZING/HEATING

OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT. GAS

V-STYLE

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
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FLEXIBLE TIPS

APPLICATION

HEATING
BRAZING
SOLDERING

17

13



TYPE17-9	TYPE17E-9	UM17-5	5/16"-27(M,F)	1/32"- 5/64"	5	5	4	
		UM17-5		17E-9				

71
WH250
WH550

TYPE13-8VM	TYPE13E-8	UM17-5	5/16"-27(M,F)	N/A	10-20	8-12	15-30	
UM13-4	UM17-5						TYPE13E-8	

71
WH250
WH550

TIP TYPE	PART#	ACETYLENE CONSUMPTION SCFH	OXYGEN PRESSURE (PSIG)	ACETYLENE/FUEL PRESSURE (PSIG)	OVERALL LENGTH	REPLACEMENT MIXER AND NUT	BRAZING COPPER TUBING	USE WITH WELDING HANDLE #
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TUNING FORK TIP™

REMOVE
HEAT PUMP
REVERSING VALVES

17



The Tuning Fork™ Tip lets you heat up all the fittings of a heat pump reversing valve at once and remove and install the valve without altering the original copper tube and fittings.

TYPE17TFT	5-10	10	7	8"	UM17-5	7/8"	
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71
WH250
WH550

TIP TYPE	PART#	ACETYLENE CONSUMPTION SCFH	OXYGEN PRESSURE (PSIG)	ACETYLENE/FUEL PRESSURE (PSIG)	OVERALL LENGTH	WELDING METAL THICKNESS	BRAZING COPPER TUBING	USE WITH WELDING HANDLE #
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MICRO 6000® TIPS

High performance oxyacetylene brazing tips that provide precise concentrated heat up to 6000°F.

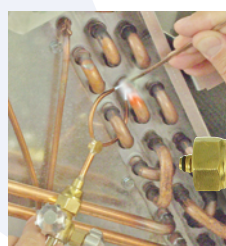
MTW-1	2-3	5	5	3"	3/64"	1/2"	
MTW-2	2-4	5	5	3"	5/64"	1"	
MTT	4-6	5	5	4"	N/A	1"	
MTR	4-8	5	5	4"	N/A	1 1/2"	

71
WH250
WH550

APPLICATION

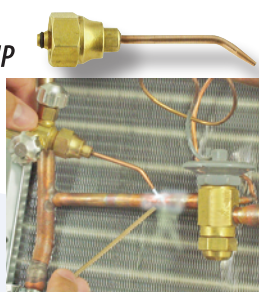
WELDING
HEATING
BRAZING
SOLDERING

MT

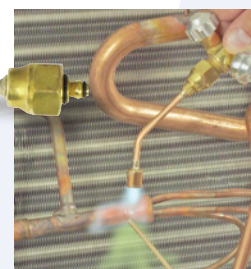


MTT
TWIN TIP

MTW
WELD TIP



MTR
ROSEBUD
TIP



OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT. GAS

TIP TYPE	ACETYLENE CONSUMPTION SCFH	OXYGEN PRESSURE (PSIG)	ACETYLENE/FUEL PRESSURE (PSIG)	OVERALL LENGTH	BRAZING COPPER TUBING	USE WITH WELDING HANDLE #
PART#						

APPLICATION

BRAZING
HEATING

MTF


CAP'N HOOK® High performance *OXYACETYLENE* brazing tips that provide precise concentrated heat up to 6000°F.

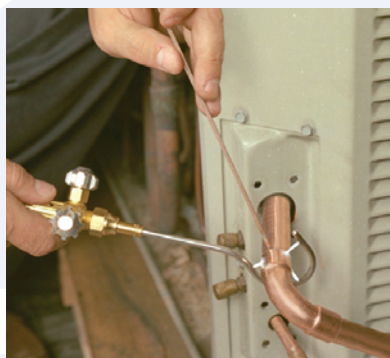
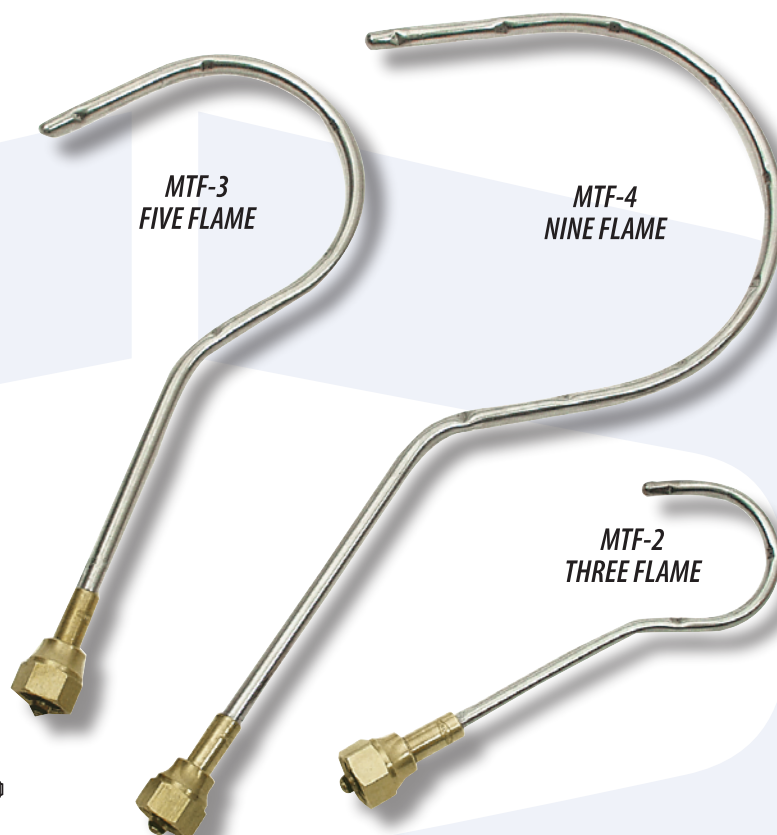
MTF-2	3-5	5	5	5-1/2"	7/8"	71
MTF-3	4-6	5	5	8-1/2"	1-5/8"	WH250
MTF-4	5-10	10	7	11"	2-5/8"	WH550

MAPP®/PROPANE CONSUMPTION SCFH	OXYGEN PRESSURE (PSIG)	MAPP®/PROPANE PRESSURE (PSIG)	OVERALL LENGTH	BRAZING COPPER TUBING	USE WITH WELDING HANDLE #
PART#					

CAP'N HOOK® High performance *MAPP®OR PROPANE/OXYGEN* brazing tips that provide precise concentrated heat up to 6000°F.

MTFM-2	3-6	8	5	5-1/2"	7/8"	71
MTFM-3	4-8	8	5	5-1/2"	1-5/8"	WH250
MTFM-4	5-12	10	7	11"	2-5/8"	WH550

The patented Uniweld Cap'n Hook® high performance tip transfers high heat directly onto your work area and away from nearby sensitive areas. Stainless steel construction provides a stable flame time after time while holding its shape. Cap'n Hook® tips provide rapid, even heat distribution for excellent brazing and flow of alloy.

MTF-3
FIVE FLAMEMTF-4
NINE FLAMEMTF-2
THREE FLAME



TIPS BRAZING/HEATING

V-STYLE

OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT. GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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APPLICATION
HEATING
BRAZING
SOLDERING

(UN-J)
17

HEATING TIPS: COMPLETE with Tip End

TYPE17-15	N/A	N/A	1/4"-27(M,F)	10-20	8-12	15-30
TYPE17-30	N/A	N/A	1/4"-27(M,F)	10-20	8-12	15-30



INDUSTRY TERM: ROSEBUD

71
WH250
WH550

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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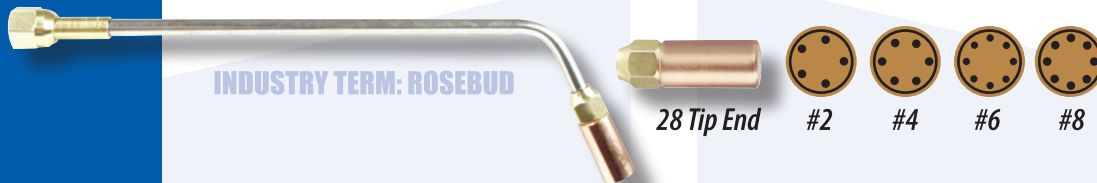
APPLICATION

(MFA-J)
28

HEATING TIPS: COMPLETE with Tip End

TYPE28-2	TYPE28TE-2	N/A	5/16"-27(M,F)	5-8	5-7	3-9
TYPE28-4	TYPE28TE-4	N/A	5/16"-27(M,F)	8-12	5-7	7-20
TYPE28-6	TYPE28TE-6	N/A	5/16"-27(M,F)	10-15	8-12	14-40
TYPE28-8	TYPE28TE-8	N/A	5/16"-27(M,F)	20-30	10-15	30-80

PRE-HEATING
STRAIGHTENING



INDUSTRY TERM: ROSEBUD

28 Tip End



71
WH250
WH550

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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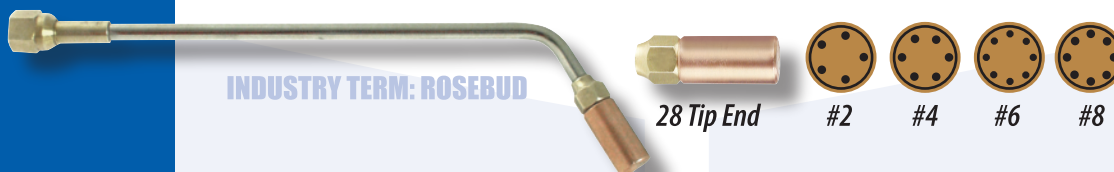
APPLICATION

(MFA-1)
29

HEATING TIPS: COMPLETE with Tip End

TYPE29-2	TYPE28TE-2	N/A	5/16"-27(M,F)	5-8	5-7	3-9
TYPE29-4	TYPE28TE-4	N/A	5/16"-27(M,F)	8-12	5-7	7-20
TYPE29-6	TYPE28TE-6	N/A	5/16"-27(M,F)	10-15	8-12	14-40
TYPE29-8	TYPE28TE-8	N/A	5/16"-27(M,F)	20-30	10-15	30-80

PRE-HEATING
STRAIGHTENING



INDUSTRY TERM: ROSEBUD

28 Tip End



WH350

OXYACETYLENE

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART#	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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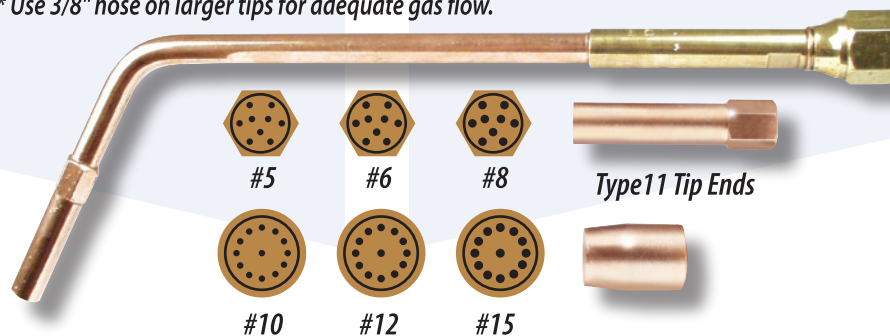
APPLICATION
PREHEATING
STRAIGHTENING

(MFA)
11

HEATING TIPS: COMPLETE with Tip End

TYPE11-5	TYPE11TE-5	UM11	7/16"-27(M,F)	10-15	7-10	6-20
TYPE11-6	TYPE11TE-6	UM11	7/16"-27(M,F)	10-15	7-10	14-40
TYPE11-8	TYPE11TE-8	UM11	7/16"-27(M,F)	20-30	10-15	30-80
TYPE11-10*	TYPE11TE-10	UM11-1	1/2"-27(M,F)	25-40	12-15	40-100
TYPE11-12*	TYPE11TE-12	UM11-1	1/2"-27(M,F)	40-60	12-15	60-150
TYPE11-15*	TYPE11TE-15	UM11-1	1/2"-27(M,F)	40-60	12-15	90-220

* Use 3/8" hose on larger tips for adequate gas flow.



WH360
WH360L
72L9
72L11

INDUSTRY TERM: ROSEBUD

OXY/MAPP®/PROPANE/NATURAL GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART#	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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APPLICATION
PREHEATING
STRAIGHTENING

(MFN)
12

HEATING TIPS: COMPLETE with Tip End

TYPE12-8	TYPE12TE-8	UM12	7/16"-27(M,F)	20-30	10-20	10-35
TYPE12-10*	TYPE12TE-10	UM12-1	1/2"-27(M,F)	25-40	10-20	20-80
TYPE12-12*	TYPE12TE-12	UM12-1	1/2"-27(M,F)	40-60	10-25	30-160
TYPE12-15*	TYPE12TE-15	UM12-1	1/2"-27(M,F)	40-60	15-25	50-200
TYPE12-20*	TYPE12TE-20	UM12-1	1/2"-27(M,F)	40-80	15-25	75-250

* Use 3/8" hose on larger tips for adequate gas flow.



WH360
WH360L
72L9
72L11

INDUSTRY TERM: ROSEBUD



OXY/FUEL GAS ONLY (Do not use with Acetylene)

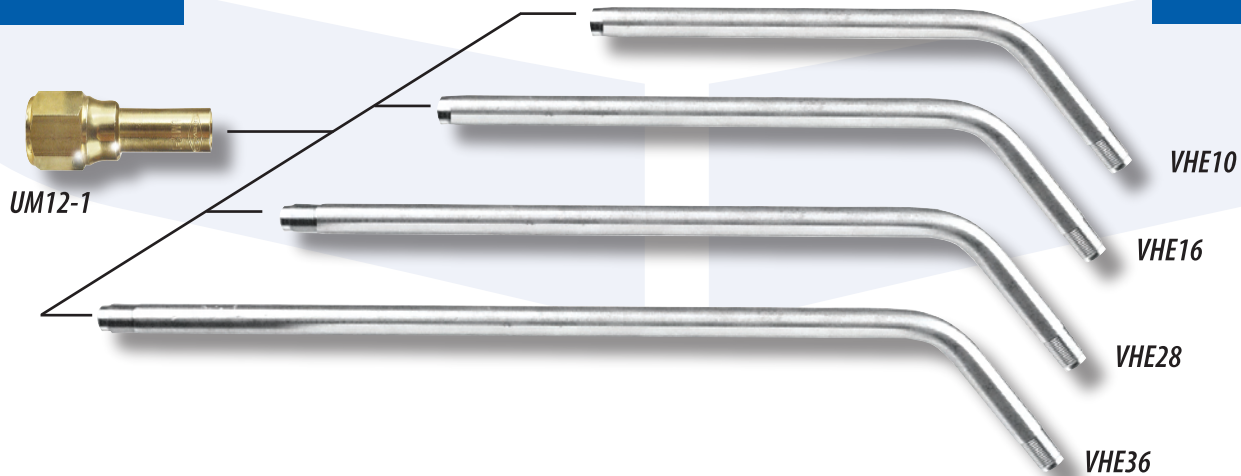
ELBOW TYPE	ELBOW ONLY PART #	LENGTH	ELBOW TIP END THREAD SPEC	MIXER ONLY PART #	ELBOW MIXER END THREAD SPEC	USE WITH WELDING HANDLE #
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VHE

HEATING COMPONENTS

VHE10	10"	1/4"-18NPT(M)	UM12-1	1/2"-27(M,F)
VHE16	16"	1/4"-18NPT(M)	UM12-1	1/2"-27(M,F)
VHE28	28"	1/4"-18NPT(M)	UM12-1	1/2"-27(M,F)
VHE36	36"	1/4"-18NPT(M)	UM12-1	1/2"-27(M,F)

WH360
WH360L
72L9
72L11



TIP END TYPE	TIP END PART #	TIP END THREAD SPEC	OXYGEN (PSIG)	FLOW (SCFH)	PROPANE (PSIG)	FLOW (SCFH)	HEAT OUTPUT (BTU/HR)
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DO NOT USE ACETYLENE

VH

HEATING TIPS (Fuel Gas only)

VH1	1/4"-18NPT(F)	10-25	160-320	4-12	40-80
VH2	1/4"-18NPT(F)	15-45	220-520	7-22	55-130
VH3	1/4"-18NPT(F)	25-70	340-920	8-25	85-230
VH4*	1/4"-18NPT(F)	50-110	640-1300	10-30	160-325
VH5*	1/4"-18NPT(F)	60-135	720-1600	14-40	180-400

100,000-200,000
140,000-330,000
215,000-580,000
400,000-820,000
450,000-1,000,000

NOTE:

On continuous duty withdrawal, manifolding of cylinders may be required.



NOTE:

To calculate heat output for propylene, use 2400 BTU/cu. ft. X flow CFH

NOTE:

Use 3/8" hose on larger tips for adequate gas flow

ROUGHNECK
HEAVY DUTY

The Uniweld Roughneck is a complete heavy duty oxy-fuel outfit for industrial & commercial applications including cutting, brazing, heating and welding.

CA43A CUTTING ATTACHMENT with its universal multi-gas head mixer for acetylene 3 PSIG and above and for most fuel gases 5 ounces and above. Cuts up to 1" with supplied tip.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

43L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/8" with supplied tips; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KX43 UPC# 83000	43L9E with UM43 Mixer	CA43A	6290A-1	TYPE79E -1, -3, -5	TYPE 7928E-6	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 25' 1/4" "B" GOOGLES, LIGHTER
PART# KX43-4 UPC# 83002	43L9E with UM43 Mixer	CA43A	6290A-1	TYPE79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES

ROUGHNECK OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS- ORDER BY ADDING (-1) TO END OF PART#

FABRICATOR
HEAVY DUTY

The Uniweld Fabricator is a basic head mix heavy duty oxy-fuel outfit for cutting, welding, brazing and heating.

CA43A CUTTING ATTACHMENT with universal multi-gas head mixer and machine forged brass head and body. Cuts up to 8" with proper tip.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms & accessibility to the seat from the rear.

RUH82 SERIES with a tri-layered reinforced diaphragm and single scale 2" gauges

43L9 WELDING HANDLE features two tube silver brazed construction and ribbed outer handle, vented for safety.

Cutting Capacity: 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



FABRICATOR HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	GAUGES	
PART# KV43A UPC# 83300	43L9	CA43A	RV8010 CGA540	RV8011 CGA510	2-1/2"	FABRICATOR OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS- ORDER BY ADDING (-1) TO END OF PART#
PART# KR43A UPC# 84200	43L9	CA43A	RUH8210 CGA540	RUH8211 CGA510	2"	

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



OUTFITS CUTTING & WELDING

**H-STYLE
HEAD MIX**

PROFESSIONAL HEAVY DUTY



The Uniweld Professional is a basic heavy duty oxy-fuel cutting outfit.

40 Series cutting torch has a precision machined forged body & head and durable three tube triangular construction.

40A Series cutting torch for medium pressure acetylene only 3 PSIG and up with proper tip.

40AF Series cutting torch for medium pressure fuel gas only 3 PSIG and up with proper tip.

RV** or RUH83 SERIES REGULATORS with large, easy to read single scale 2-1/2" gauges.

Cutting Capacity: up to 12" with proper tip [See pgs. 43-46]



KV40A-18



Additional accessories are required

**PROFESSIONAL
HEAVY DUTY**

**HAND
CUTTING
TORCH**

**OXYGEN*
REGULATOR
5-125 PSIG**

**ACETYLENE*
REGULATOR
2-15 PSIG**

**FUEL GAS*
REGULATOR
2-40 PSIG**

**PART# KV40A-18
UPC# 83100**

**40A-18
90°**

**RV8010
CGA540**

**RV8011
CGA510**

-

**PART# KV40AF-18
UPC# 83102**

**40AF-18
90°**

**RV8010
CGA540**

-

**RV8012
CGA510**

**PROFESSIONAL
HEAVY DUTY**

**HAND
CUTTING
TORCH**

**OXYGEN*
REGULATOR
5-125 PSIG**

**ACETYLENE*
REGULATOR
2-15 PSIG**

**FUEL GAS*
REGULATOR
2-40 PSIG**

**PART# KR40A-18
UPC# 83200**

**40A-18
90°**

**RUH8310
CGA540**

**RUH8311
CGA510**

-

**PART# KR40AF-18
UPC# 83201**

**40AF-18
90°**

**RUH8310
CGA540**

-

**RUH8312
CGA510**

PROFESSIONAL OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97,98]

ALL-AMERICAN HEAVY DUTY

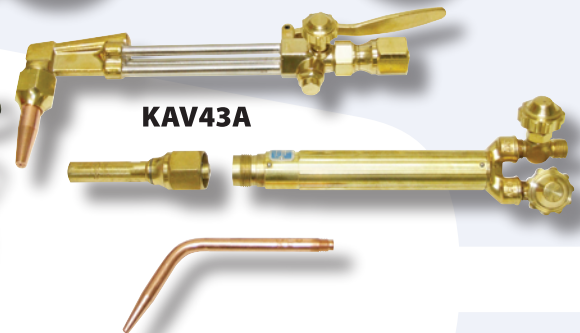


The Uniweld All-American is a head mix oxy-fuel outfit for cutting, brazing and welding.

CA43A CUTTING ATTACHMENT with universal multi-gas head mixer and machine forged brass head and body. Cuts up to 8" with proper tip.

RV** SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

43L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed outer handle, vented for safety.



KAV43A

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]

**ALL-AMERICAN
HEAVY DUTY**

**WELDING
HANDLE**

**CUTTING
ATTACHMENT**

**CUTTING
TIP**

**WELD/BRAZE
TIP**

**OXYGEN*
REGULATOR
5-125 PSIG**

**ACETYLENE*
REGULATOR
2-15 PSIG**

ACCESSORIES

**PART# KAV43A
UPC# 83004**

43L9E

CA43A

6290A-1

**TYPE
79E-3**

**RV8010
CGA540**

**RV8011
CGA510**

**TWIN HOSE 20' 1/4" "B"
GOGGLES, LIGHTER**

**PART# KAV43A-4
UPC# 83006**

43L9E

CA43A

6290A-1

**TYPE
79E-3**

**RV8010
CGA540**

**RV8011
CGA510**

NO ACCESSORIES

ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



KAVP43A

PROPANE KAVP43A

HEAVY DUTY

The Uniweld heavy duty Propane outfit is used for cutting and brazing applications.

CA43A CUTTING ATTACHMENT with its universal multi-gas head mixer for most fuel gases 5 ounces and above. Cuts up to 1" with supplied tip.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

43L9 WELDING HANDLE with silver brazed two tube construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pgs. 43-46]

Brazing Capacity: 1" with supplied tip; up to 3" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]

KARP43A

PROPANE KARP43A

HEAVY DUTY

The Uniweld medium duty Propane outfit is used for cutting and brazing applications.

CA43A CUTTING ATTACHMENT with universal multi-gas head mixer. Cuts up to 1" with supplied tip.

RUH83 SERIES REGULATORS with tri-layered, reinforced diaphragm and single scale 2-1/2" gauges.

43L9 WELDING HANDLE with silver brazed two tube construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pgs. 43-46]

Brazing Capacity: 1" with supplied tip; up to 3" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]

PROPANE HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	FUEL GAS* REGULATOR 2-40 PSIG	ACCESSORIES
PART# KAVP43A UPC# 83400	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RV8010 CGA540	RV8012 CGA510	TWIN HOSE 20' 1/4" GRADE "T" "B" GOGGLES, LIGHTER
PART# KAVP43A-4 UPC# 83401	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RV8010 CGA540	RV8012 CGA510	NO ACCESSORIES
PROPANE MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	FUEL GAS* REGULATOR 2-40 PSIG	ACCESSORIES
PART# KARP43A UPC# 84300	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RUH8310 CGA540	RUH8312 CGA510	TWIN HOSE 20' 1/4" GRADE "T" "B" GOGGLES, LIGHTER
PART# KARP43A-4 UPC# 84301	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RUH8310 CGA540	RUH8312 CGA510	NO ACCESSORIES

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97,98]



OUTFITS CUTTING & WELDING

**H-STYLE
HEAD MIX**

ALL-AMERICAN HEAVY DUTY

The Uniweld heavy duty All-American is a head mix oxyacetylene, oxy-fuel outfit for cutting, brazing and welding.

CA43A CUTTING ATTACHMENT

with universal multi-gas head mixer.

Cuts up to 1" with supplied tip.

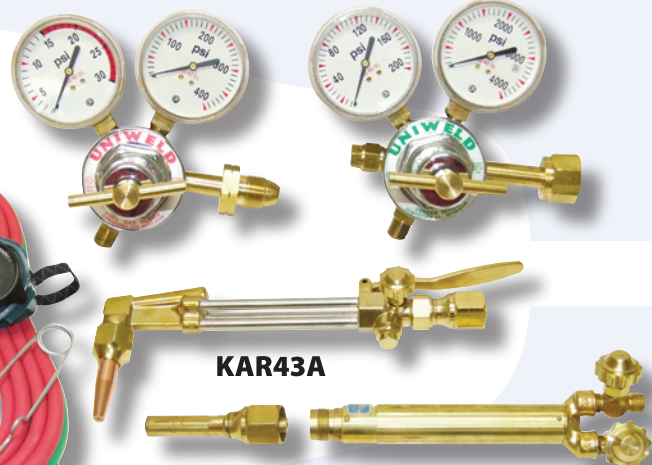
RUH83 SERIES REGULATORS with tri-layered reinforced diaphragm and single scale 2-1/2" gauges.

43L9 WELDING HANDLE can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



KAR43A

ALL-AMERICAN HEAVY DUTY

WELDING HANDLE

CUTTING ATTACHMENT

CUTTING TIP

WELD/BRAZE TIP

OXYGEN* REGULATOR 5-125 PSIG

ACETYLENE* REGULATOR 2-15 PSIG

ACCESSORIES

PART# KAR43A
UPC# 84000

43L9E with
UM43 Mixer

CA43A

6290A-1

TYPE
79E-3

RUH8310
CGA540

RUH8311
CGA510

TWIN HOSE 20' 1/4" "B"
GOGGLES, LIGHTER

PART# KAR43A-4
UPC# 84002

43L9E with
UM43 Mixer

CA43A

6290A-1

TYPE
79E-3

RUH8310
CGA540

RUH8311
CGA510

NO ACCESSORIES

ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

ALL-TRADES MEDIUM DUTY

The Uniweld All-Trades is a complete head mix oxyacetylene, oxy-fuel outfit for cutting and welding (acetylene only), plus brazing & heating.

CA79A CUTTING ATTACHMENT

for use with Acetylene 3 PSIG and above **ONLY**.

RUH82 SERIES REGULATORS with a tri-layered reinforced diaphragm and single scale 2" gauges.

WH79 WELDING HANDLE can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.



KL79

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pg. 43]

Welding Capacity: 1/8" with supplied tips; up to 1/2" with optional tips [See pgs. 47, 48]

Heating Tips: [See pgs. 47, 48]

ALL-TRADES MEDIUM DUTY

WELDING HANDLE

CUTTING ATTACHMENT

CUTTING TIP

WELD/BRAZE TIPS

HEATING TIP

OXYGEN* REGULATOR 5-125 PSIG

ACETYLENE* REGULATOR 2-15 PSIG

ACCESSORIES

PART# KL79
UPC# 84100

WH79 with
UM79 Mixer

CA79A

6290A-1

TYPE 79E
-1, -3, -5

TYPE
7928E-4

RUH8210
CGA540

RUH8211
CGA510

TWIN HOSE 20' 3/16" "B"
GOGGLES, LIGHTER

PART# KL79-4
UPC# 84102

WH79 with
UM79 Mixer

CA79A

6290A-1

TYPE 79E
-1, -3, -5

TYPE
7928E-4

RUH8210
CGA540

RUH8211
CGA510

NO ACCESSORIES

ALL-TRADES OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

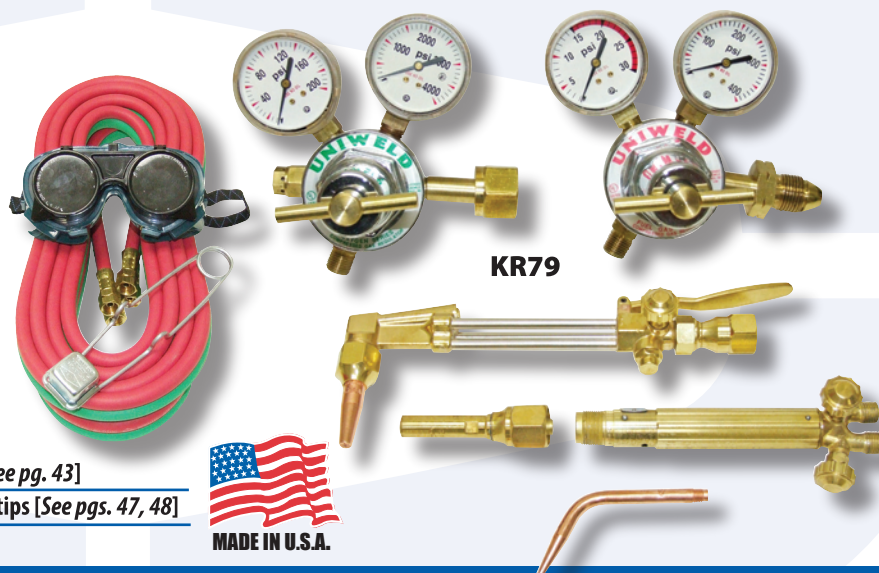
ALL-AMERICAN MEDIUM DUTY

The Uniweld All-American is a complete oxy-fuel outfit for cutting, brazing and welding.

CA79A CUTTING ATTACHMENT is solely for use with Acetylene 3 PSIG and above. Cuts up to 1" with supplied tip.

RUH82 SERIES REGULATORS with a tri-layered reinforced diaphragm and single scale 2" gauges.

WH79 WELDING HANDLE with mixer can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.



Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pg. 43]

Welding Capacity: 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47, 48]

Heating Tips: [See pgs. 47, 48]



ALL-AMERICAN MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KR79 UPC# 84104	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# KR79-4 UPC# 84106	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	RUH8210 CGA540	RUH8211 CGA510	NO ACCESSORIES

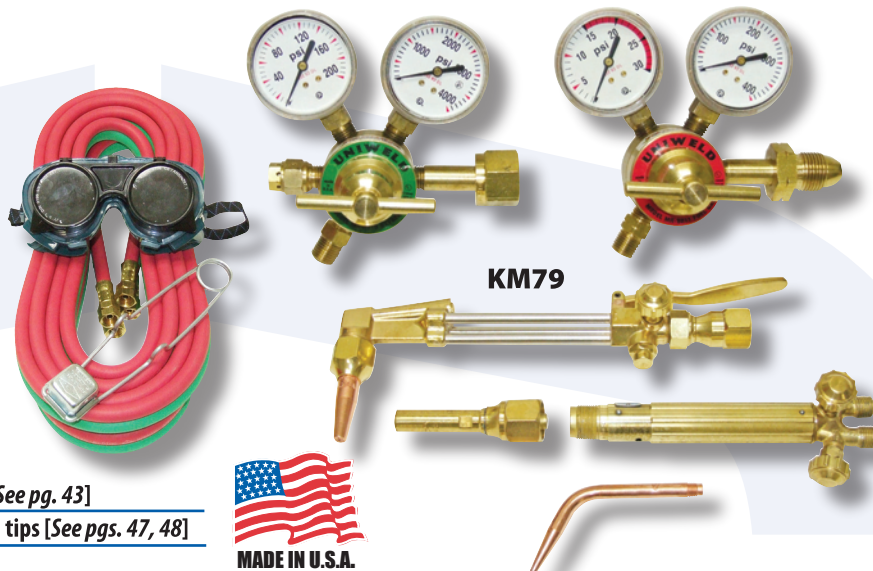
ALL-AMERICAN MEDIUM DUTY

The Uniweld All-American is a basic oxy-fuel outfit for cutting, brazing and welding.

CA79A CUTTING ATTACHMENT is solely for use with Acetylene 3 PSIG and above. Cuts up to 1" with supplied tip.

MR SERIES REGULATORS with a cartridge type seat assembly and 2" single scale gauges

WH79 WELDING HANDLE can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.



Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pg. 43]

Welding Capacity: 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47, 48]

Heating Tips: [See pgs. 47, 48]

ALL-AMERICAN MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KM79 UPC# 85000	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	MR8210 CGA540	MR8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# KM79-4 UPC# 85002	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	MR8210 CGA540	MR8211 CGA510	NO ACCESSORIES

ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



OUTFITS CUTTING & WELDING

**H-STYLE
HEAD MIX**

THE WURKS®-H MEDIUM DUTY

The Uniweld Wurks-H is a complete 12 piece, easy-to-operate, all-purpose outfit for cutting, welding and brazing that's packed in its own rugged Wurk Box with a compartmented accessory tray.



■ CA79A CUTTING ATTACHMENT [acetylene only] with precision forged brass head and body and injector mixer. Cuts up to 1" with supplied tip.

■ MR SERIES REGULATORS with large, easy to read single scale 2" gauges.

■ WH79 WELDING HANDLE with mixer can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pg. 43]

Welding Capacity: 3/64" with supplied tip; up to 1/2" with optional tips [See pgs. 47, 48]

Heating Tips: [See pgs. 47, 48]



**Look for this
12 pack display
at your local
distributor**



WURKS-H

*Operating and Safety
Instructions included.
Oxygen and Fuel Gas
Cylinders required.*

Use the Wurks-H for:

- Cutting most Steels
- Auto, Truck and Trailer Repair
- Plumbing and General Home Maintenance
- Building Metal Workstands

- Creating Metal Artwork
- Heating Metal Bars and Pipes for Bending
- Removing Rusty Nuts from Rusty Bolts
- Repairing Garden and Farm Tools

WURKS-H OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

THE WURKS-H MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	TOOLBOX W/TRAY	ACCESSORIES†
PART# WURKS-H UPC# 85005	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-2	MR8210 CGA540	MR8211 CGA510	BLACK PLASTIC	12.5' TWIN HOSE 3/16", "B"

†ACCESSORIES INCLUDE: GOGGLES, SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TIP CLEANER SET [Pg. 106], LEATHER WELDING GLOVES [Pg. 105]

*Dual scale gauges and other regulator connections
available upon request. [See pgs. 97, 98]



ROLLIN' ROUGHNECK HEAVY DUTY

The Uniweld Rollin' Roughneck is the roughest, toughest most complete portable heavy duty oxy-acetylene welding and cutting system you'll ever find.

■ CA43A CUTTING ATTACHMENT with its universal multi-gas head mixer for acetylene [3 PSIG and above] and for most fuel gases 5 ounces and above. Cuts up to 1" with supplied tip.

■ RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms & accessibility to the seat from the rear.

■ 43L9 WELDING HANDLE with separate silver brazed two tube construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/8" with supplied tips; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



Part# 509
[cart only]
UPC# 30016

Part# 509FW
[cart with firewall]
UPC# 30019

83550



ROLLIN' ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ROLLIN' ROUGHNECK CART
PART# 83550 UPC# 83550	43L9E Includes UM43 Mixer	CA43A	6290A-1	TYPE 79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	509 W/O CYLINDERS
PART# 83551 UPC# 83551	43L9E Includes UM43 Mixer	CA43A	6290A-1	TYPE 79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	509FW† W/O CYLINDERS

ROLLIN' ROUGHNECK INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TORCH FLASHBACK ARRESTORS [Pg. 104] INSTALLED AND 18" STAINLESS STEEL PIGTAIL ASSEMBLY. † 509FW COMES WITH BUILT-IN FIREWALL

DA BOX® HEAVY DUTY

The Uniweld Da Box® is the perfect outfit to mount on your truck for maximum mobility and security. Add the desired braided stainless steel hose pigtails to complete Da Box® Outfit.



Part# DABOX
[cabinet only]
UPC# 30017
Accepts all
Uniweld
Roughneck
Outfits



DABOX-H

PIGTAILS

PART#	UPC#	LENGTH	DESCRIPTION
PT300-24	43601	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA300 Acetylene
PT300-36	43602	36"	
PT300-48	43603	48"	
PT510-24	43621	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA510 Acetylene or Propane
PT510-36	43622	36"	
PT510-48	43623	48"	
PT540-24	43631	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA540, Oxygen, 3000 PSIG
PT540-36	43632	36"	
PT540-48	43633	48"	

ADDITIONAL PIGTAILS AVAILABLE ON REQUEST

DA BOX® HEAVY DUTY OUTFIT	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	DA BOX BOX
PART# DABOX-H UPC# 83500	43L9E with UM43 Mixer	CA43A	6290A-1	TYPE 79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	DA-BOX

DA BOX-H INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], CGA510 POL to CGA300 CA ADAPTOR [Pg. 97], REGULATOR FLASHBACK ARRESTOR INSTALLED [Pg. 104]

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



CUTTING ATTACHMENTS

**H-STYLE
HEAD MIX**

**CA43A
HEAD MIX**

INJECTOR HEAD MIXER WORKS
EXTREMELY WELL WITH LOW
PRESSURE ACETYLENE AND
FUEL GAS AT 3 PSIG AND ABOVE

FORGED BRASS
HEAD AND BODY

STAINLESS STEEL
BALL POINT
VALVE WITH
TEFLON® PACKING

CONTOURED
FORGED BRASS CUTTING
OXYGEN LEVER

HAND TIGHT NUT WITH
TWO O-RING SEALS

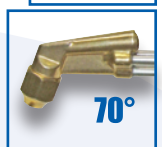
RIGID THREE
TUBE TRIANGULAR
SILVER BRAZED
CONSTRUCTION

H STYLE TIP SEATING AREA
2 FLAT SEATS

PUSHROD TYPE CUTTING
OXYGEN VALVE THAT'S EASY
TO USE AND REPAIR



**HEAD
ANGLES**



PART# UPC#	CA43A 02201	CA43 02200	CA79A 02500	CA79 02501
LENGTH	10-1/4"	10-1/4"	10-1/4"	10-1/4"
WEIGHT	26 OZ.	26 OZ.	26 OZ.	26 OZ.
HEAD ANGLE	90°	70°	90°	70°
CUTTING CAPACITY*	8" (ALL GASES)	8" (ALL GASES)	6" (ACETYLENE ONLY)	6" (ACETYLENE ONLY)
TIP SERIES	6290	6290	6290	6290

COMPATIBLE
WELDING
HANDLES

43L9
w/o Mixer
43L9E
with UM43

43L9
w/o Mixer
43L9E
with UM43

WH79-2
w/o Mixer
WH79
with UM79

WH79-2
w/o Mixer
WH79
with UM79

*SEE PAGES 43-46 FOR ALL GASES CUTTING TIPS
AND SPECIAL PURPOSE TIP SELECTION

43L9

FORGED BRASS
REAR TORCH AND
VALVE BODIES

TWO SILVER
BRAZED TUBES
INSIDE A VENTED
BRASS HANDLE

RIBBED
BRASS HANDLE

STAINLESS STEEL BALL
POINT VALVES WITH
TEFLON® PACKING

**UM43**
MIXER**UM79**
MIXER

PART#

43L9
w/o Mixer
0025043L9E
w/UM43 Mixer
00251WH79-2
w/o Mixer
00451WH79
w/UM79 Mixer
00450

UPC#

LENGTH

8-1/4"

11-1/2"

7-1/2"

10"

WEIGHT

17 OZ.

23 OZ.

13 OZ.

18 OZ.

HOSE CONNECTION

"B" 9/16"-18 THREAD

WELDING CAPACITY*

1/2"

1/2"

1/2"

1/2"

COMPATIBLE
CUTTING
ATTACHMENTSCA43A(90°)
CA43(70°)CA43A(90°)
CA43(70°)CA79A(90°)
CA79(70°)CA79A(90°)
CA79(70°)

*SEE PAGES 47-50 FOR WELDING, BRAZING, HEATING TIPS and MIXER INFORMATION.



TORCHES HAND CUTTING

**H-STYLE
HEAD MIX**

**40A-21
HEAD MIX**

CNC PRECISION
MACHINED
FORGED BRASS HEAD

INJECTOR HEAD MIXER
FOR ACETYLENE (40A, 40, 40B)
FOR FUEL GAS (40AF, 40F, 40BF)
FOR NATURAL GAS (40N, 40AN)

RIGID TRIANGULAR
THREE TUBE
SILVER BRAZED
CONSTRUCTION

PUSHROD TYPE CUTTING
OXYGEN VALVE DESIGNED
FOR EASE OF SERVICE
AND REPAIR

TYPE-H
2 FLAT SEATS

CONTOURED FORGED
BRASS CUTTING LEVER

STAINLESS STEEL BALL POINT
VALVES WITH TEFLON® PACKING
PROMOTES DURABILITY AND
POSITIVE SHUT-OFF

FIELD
REPLACEABLE
EXTERNAL
CHECK VALVES

**HEAD
ANGLES**



90°



70°



180°

HEAD ANGLE	PART#	40A-18	40AF-18	40AN-18	40A-21	40AF-21	40AN-21	40A-36	40AF-36	40A-48	40AF-48
90°	UPC#	04801	04806	04851	04811	04816	04856	04821	04826	04831	04836
HEAD ANGLE	PART#	40-18	40F-18	40N-18	40-21	40F-21	40N-21	40-36	40F-36	40-48	40F-48
70°	UPC#	04800	04805	04850	04810	04815	04855	04820	04825	04830	04835
HEAD ANGLE	PART#	40B-18	40BF-18	-	40B-21	40BF-21	-	40B-36	40BF-36	40B-48	40BF-48
180°	UPC#	04802	04807		04812	04817		04822	04827	04832	04837
TORCH LENGTH		18"	18"	18"	21"	21"	21"	36"	36"	48"	48"
WEIGHT		55 OZ.	55 OZ.	55 OZ.	59 OZ.	59 OZ.	59 OZ.	74 OZ.	74 OZ.	76 OZ.	76 OZ.
LEVER POSITION		BOTTOM REAR									
CUTTING CAPACITY*		12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
TIP SERIES		6290	6290	6290	6290	6290	6290	6290	6290	6290	6290

*SEE PAGES 43-46 FOR CUTTING TIPS and SPECIAL PURPOSE TIP SELECTION

62 & 62F SERIES
HEAD MIXHEAVY DUTY BRASS
STANDARD 1-3/8" BARRELFOUR POSITION RACK
ADJUSTMENT 90° APARTQUICK
OPENING
VALVEPRECISION
REAMED
SEATS

62-TRL

STAINLESS STEEL BALL
POINT PREHEAT VALVES

62-6

CAM
ACTION
VALVE

62-6TRV

The Uniweld adjustable head Bevel Cutting Adaptor with calibrated dial lets you set angles from 0° to 90° to cut bevels without tilting the Machine Torch. Use with optional Preheat Adaptor: **#6200BA** Part# **15AR** (acetylene), **15PR** (propane)

#6200BA

62 SERIES FOR ACETYLENE ONLY

PART# UPC#	62-6 04902	62 04906	62-6R 04903	62-R 04907
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"

PART# UPC#	62-T 04908	62-TL 04910	62-6TR 04905	62-TR 04909	62-TRL 04911
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	12"	12"	12"	12"	12"

PART# UPC#	62-6TV 04900	62-6TRV 04901
BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	12"	12"

62F SERIES FOR FUEL GAS ONLY

PART# UPC#	62F-6 04914	62F 04917	62F-6R 04915	62F-R 04918
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"

PART# UPC#	62F-T 04919	62F-TL 04921	62F-6TR 04916	62F-TR 04920	62F-TRL 04922
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	12"	12"	12"	12"	12"

PART# UPC#	62F-6TV 04912	62F-6TRV 04913
BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	12"	12"

Hose connections: "B" 9/16"-18. Racks [R] supplied with standard 32 pitch (10.12 teeth/inch). 24 pitch (7.65 teeth/inch) available on request.



*SEE PAGES 43-46 FOR CUTTING TIPS
AND SPECIAL PURPOSE TIP SELECTION.







TIPS CUTTING & HEATING



H-STYLE

ACETYLENE

USE WITH SERIES			APPLICATION	TIP STYLE ONE PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	62 SERIES	GENERAL PURPOSE CUTTING MACHINE CUTTING	6290A-000	3/16"	68	15/30	5/15
 6290A [ONE PIECE] 				6290A-00	3/8"	64	20/30	5/15
				6290A-0	5/8"	60	30/40	5/15
				6290A-1	1"	56	35/50	5/15
				6290A-2	2"	52	40/55	5/15
				6290A-3	3"	48	45/60	5/15
				6290A-4	6"	42	50/75	5/15
				6290A-5	8"	35	65/80	5/15
				6290A-6	12"	30	70/90	5/15

USE WITH SERIES			APPLICATION	TIP STYLE ONE PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	62 SERIES	SCRAP CUTTING BEVELING	6290S-1	1"	56	35/50	5/15
 6290S [ONE PIECE] 				6290S-2	2"	51	40/55	5/15
				6290S-3	3"	48	45/60	5/15
				6290S-4	6"	42	50/75	5/15
				6290S-5	8"	35	65/80	5/15
				6290S-6	12"	30	70/90	5/15

USE WITH SERIES			APPLICATION	TIP STYLE ONE PIECE			
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	GOUGING WIDTHS	CUTTING OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	62 SERIES	GOUGING	6290G-1	1/8" - 1/4"	35	5/15
 6290G [ONE PIECE] 				6290G-2	3/16" - 3/8"	50	5/15
				6290G-3	1/4" - 1/2"	50	5/15
				TECH TIP The oxygen fuel gas-cutting torch can be used for gouging. Special gouging tips are available and they should be selected based on the particular geometry of joint preparation. It is possible, by closely watching the cut surface, to find and follow cracks during the flame gouging operation. The edges of the cracks will show since they become slightly hotter.			

USE WITH SERIES			APPLICATION	SPECIALTY HEATING ASSEMBLY			
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		TIP STYLE	PREHEAT OXYGEN PSIG	ACETYLENE PSIG	
				PART #	SPECIALTY HEATING TIP TURNS A HAND CUTTING TORCH INTO A MULTI FLAME HEATING TIP		
CA43, CA43A CA79	40	N/A	MULTI-FLAME HEATING	6290HA-1		12	12
				6290HA-2		14	14
 6290HA [ONE PIECE]				TECH TIP A multi-flame heating tip (Rosebud) is designed for uniform heating with acetylene.			
							

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

NATURAL GAS/PROPANE/PROPYLENE

USE WITH SERIES			APPLICATION	TIP STYLE	TWO PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	GOUGING WIDTHS	CUTTING OXYGEN PSIG	SCFH	FUEL GAS PSIG	SPEED I.P.M.
CA43, CA43A	40F	N/A	GOUGING	6290GG-1	1/8"- 1/4"	25/30	45/55	5	8/10
				6290GG-2	3/16"- 3/8"	30/35	50/55	5	8/10
				6290GG-3	1/4"- 1/2"	30/35	70/80	6	10/12



6290GG [TWO PIECE]

TECH TIP

Before lighting tip, purge all hoses and torch passages by briefly opening and closing each torch valve. Vent gases safely. NOTE: mixed gases in the torch or the hose, etc. can cause a backfire or flashback. Purging must be done before each torch lighting and especially after a cylinder change.

USE WITH SERIES			APPLICATION	TIP STYLE	TWO PIECE			
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG
CA43, CA43A	40F	62F SERIES	SCRAP AND BEVEL CUTTING	6290NFF-00	1/4"	67	20/25	5/15
				6290NFF-0	3/8"	60	30/35	5/15
				6290NFF-1	5/8"	56	20/35	5/15
				6290NFF-2	2"	53	30/55	5/15
				6290NFF-3	4"	47	45/65	5/15
				6290NFF-4	7"	42	55/75	5/15
				6290NFF-5	10"	35	60/80	5/15
				6290NFF-6	12"	31	80/90	5/15



6290NFF [TWO PIECE]

USE WITH SERIES			APPLICATION	TIP STYLE	TWO PIECE		
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG
CA43, CA43A	40F	N/A	RIVET WASHING REMOVING WELDS	6290NFW-8	60	50	5-15



6290NFW [TWO PIECE]

TECH TIP

Rivets can be easily removed by "washing" one head off with an acetylene torch. Next, a hole is burned along the rivet longitudinal axis. Then, while still hot, the rivet can be driven out with a pin punch and a two-pound hammer. This process completely removes the rivet and leaves a clean hole in original condition.

USE WITH SERIES			APPLICATION	TIP STYLE	TWO PIECE			
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUTTING OXYGEN PSIG	SCFH	FUEL GAS PSIG
CA43, CA43A	40F	62F SERIES	MACHINE CUTTING HEAVY PLATE CUTTING	6290NH-5	10"	60	22/26	5-15
				6290NH-6	11"	60	45/55	5-15
				6290NH-7	12"	60	50/55	5-15
				6290NH-8	15"	60	70/80	5-15



6290NH [TWO PIECE]

TECH TIP

Oxy-fuel gas cutting machines are either portable or stationary. Portable cutting machines are primarily used for straight line cutting. They can carry one or more heavy-duty machine torches.



TIPS CUTTING

H-STYLE

NATURAL GAS/PROPANE/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A

40F

62F SERIES

GENERAL PURPOSE CUTTING

MACHINE CUTTING



6290NX
[TWO PIECE]



TIP STYLE

TWO PIECE

PART #

CUT METAL THICKNESS

CUT OXY DRILL SIZE

CUTTING OXYGEN PSIG

FUEL GAS PSIG

6290NX-000	3/16"	68	15/30	5/15
6290NX-00	3/8"	64	20/30	5/15
6290NX-0	5/8"	60	30/40	5/15
6290NX-1	1"	56	35/50	5/15
6290NX-2	2"	52	40/55	5/15
6290NX-3	3"	48	45/60	5/15
6290NX-4	6"	42	50/75	5/15
6290NX-5	8"	35	65/80	5/15
6290NX-6	12"	30	70/90	5/15

TECH TIP

When oxy-fuel cutting, the metal is heated until it glows orange ~($1800^{\circ}\text{F} = 982^{\circ}\text{C}$), and then a lever on the torch is pressed to pass a stream of oxygen through the work-piece to burn the steel away where the cut is desired. The iron-oxide product of this combustion process falls to the floor as dust. Once the process is started properly, there should be no globs of melted steel under the work-piece. No melting should occur.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

N/A

N/A

62F SERIES

HIGH SPEED MACHINE CUTTING WITH SPECIAL CUTTING ORIFICE



6290VVC
[TWO PIECE]



TIP STYLE

TWO PIECE

PART #

CUT METAL THICKNESS

CUT OXY DRILL SIZE

CUTTING OXYGEN PSIG

FUEL GAS PSIG

KERF WIDTH

6290VVC-5/0	3/16"	75	40	5/15	.05
6290VVC-4/0	1/4"	68	50	5/15	.06
6290VVC-3/0	3/8"	64	75	5/15	.07
6290VVC-2/0	1/2"	62	75	5/15	.07
6290VVC-0	3/4"	59	90	5/15	.08
6290VVC-0-1/2	1-1/4"	57	100	5/15	.08
6290VVC-1	2-1/2"	56	100	5/15	.09
6290VVC-1-1/2	3"	54	100	5/15	.11
6290VVC-2	5"	53	100	5/15	.12
6290VVC-2-1/2	6"	51	100	5/15	.13
6290VVC-3	7"	49	100	5/15	.14
6290VVC-4	8"	45	100	5/15	.16
6290VVC-5	9"	41	90	5/15	.20
6290VVC-5-1/2	10"	40	90	5/15	.25

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A



H62-P
[TWO PIECE]



TIP STYLE

SPECIALTY HEATING ASSEMBLY TWO PIECE

PART #

SPECIALTY HEATING TIP TURNS A HAND CUTTING TORCH INTO A MULTI FLAME HEATING TIP

OXYGEN PSIG

FUEL GAS PSIG

H62-P1	45	5/15
H62-P2	50	5/15
H62-P3	55	5/15

TECH TIP

Flame heating involves igniting fuel gases mixed with air or oxygen. Examples include flame straightening, flame hardening, hot forming and heating in conjunction with welding. The flame is used for melting purposes in flame brazing. Acetylene, propane, propylene and natural gas are used as fuel gases for flame heating. The flame temperature and intensity depend on the fuel gases used and oxygen mixing ratio.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43
CA43A

40F

62F
SERIES

SCRAP
AND BEVEL
CUTTING



**6290NXPM
[TWO PIECE]**



TIP STYLE		TWO PIECE			
PART #	TIP SIZE	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG
6290NXPM-68	000	3/16"	68	15/30	5/15
6290NXPM-64	00	3/8"	64	20/30	5/15
6290NXPM-60	0	5/8"	60	30/40	5/15
6290NXPM-56	1	1"	56	35/50	5/15
6290NXPM-52	2	2"	52	40/55	5/15
6290NXPM-48	3	3"	48	45/60	5/15
6290NXPM-42	4	6"	42	50/75	5/15
6290NXPM-35	5	8"	35	65/80	5/15

TECH TIP

Beveling allows a full-penetration weld (if required). It gives the torch tip access to deep-lying base metal, prepares a well-defined, uniform container for molten metal and ensures quality welds. Bevel angles and root openings are essential for adequate weld penetration in thick plates or pipes. The joint design must specify all relevant dimensions and angles. The joint design and root opening specification are both part of the weld procedure.

LIQUID AIR® FUEL GAS/MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

N/A

N/A

62F
SERIES

HIGH SPEED
MACHINE
CUTTING
WITH
SPECIAL
CUTTING
ORIFICE



**6290VVCMM
[TWO PIECE]**



TIP STYLE		TWO PIECE			
PART #	CUT METAL THICK.	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG	KERF WIDTH
6290VVCMM-5/0	3/16"	75	40	5/15	.05
6290VVCMM-4/0	1/4"	68	50	5/15	.06
6290VVCMM-3/0	3/8"	64	75	5/15	.07
6290VVCMM-00	1/2"	62	75	5/15	.07
6290VVCMM-0	3/4"	59	90	5/15	.08
6290VVCMM-0-1/2	1-1/4"	57	100	5/15	.08
6290VVCMM-1	2-1/2"	56	100	5/15	.09
6290VVCMM-1-1/2	3"	54	100	5/15	.11
6290VVCMM-2	5"	53	100	5/15	.12
6290VVCMM-2-1/2	6"	51	100	5/15	.13
6290VVCMM-3	7"	49	100	5/15	.14
6290VVCMM-4	8"	45	100	5/15	.16
6290VVCMM-5	9"	41	90	5/15	.20
6290VVCMM-5-1/2	9-1/2"	40	90	5/15	.25

TECH TIP

Cutting is initiated by heating the edge of the steel to near melting point using the pre-heat jets only, then using the separate cutting oxygen valve to release the oxygen from the central jet. The steel is instantly oxidized into molten iron oxide, producing the cut. Robotic oxy-fuel cutters sometimes use a high-speed divergent nozzle. This uses an oxygen jet that opens slightly along its passage. This allows the compressed oxygen to expand as it leaves, forming a high-velocity jet that spreads less than a parallel-bore nozzle, allowing a cleaner cut. These are not used for cutting by hand since they need very accurate positioning above the work. Their ability to produce almost any shape from large steel plates gives them a secure future in shipbuilding and in many other industries.



ELBOW/MIXER COMPONENTS

TYPE79E
ELBOW

60°
ANGLE

NOTE: For Mapp®, Propane or Natural Gas, use one size larger tip for heating, brazing and soldering.

UM79
MIXER

USE WITH
WH79
HANDLE

UM43
MIXER

USE WITH
43L9
HANDLE

OXYACETYLENE/HYDROGEN

APPLICATION
WELDING
HEATING
BRAZING
SOLDERING

(23A90)

79E



TIP TYPE	ELBOW ONLY PART#	MIXER FOR 43L9 HANDLE	MIXER FOR WH79 HANDLE	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
79E	TYPE79E-0	UM43	UM79	23/64"-26(M)	1/64"	1	3	43L9 AND
	TYPE79E-1	UM43	UM79	23/64"-26(M)	1/32"	1	5	43L9E
	TYPE79E-2	UM43	UM79	23/64"-26(M)	3/64"	2	3	USE WITH
	TYPE79E-3	UM43	UM79	23/64"-26(M)	1/16"	3	8	UM43 MIXER
	TYPE79E-4	UM43	UM79	23/64"-26(M)	3/32"	4	10	23/64"-26(F)
	TYPE79E-5	UM43	UM79	23/64"-26(M)	1/8"	5	15	
	TYPE79E-6	UM43	UM79	23/64"-26(M)	3/16"	6	18	WH79 AND
	TYPE79E-7	UM43	UM79	23/64"-26(M)	1/4"	7	20	WH79-2
	TYPE79E-8	UM43	UM79	23/64"-26(M)	5/16"	8	30	USE WITH
	TYPE79E-9	UM43	UM79	23/64"-26(M)	3/8"	9	40	UM79 MIXER
	TYPE79E-10	UM43	UM79	23/64"-26(M)	1/2"	10	50	23/64"-26(F)



TECH TIP

The immediate work area must be clean from all contaminants. This includes removal of dirt, grease, oil, rust, paint, plastic coverings, etc., from the surface of the parts being welded. The method of cleaning depends on the material to be removed and the location of the work piece. For most construction and production equipment, steam cleaning is recommended. When this is not possible, solvent cleaning can be used. Blast cleaning with abrasives is also used. For small parts, pickling or solvent dip cleaning can be used and, finally, power tool cleaning with brushes, grinding wheels, disc grinding, etc., can be employed. The time spent cleaning a weld repair area will pay off in the long run. Be sure that all solvents have been removed before applying heat.

OXYACETYLENE

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART# ONLY	ELBOW TO MIXER THREAD SPEC	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
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APPLICATION

PREHEATING
STRAIGHTENING

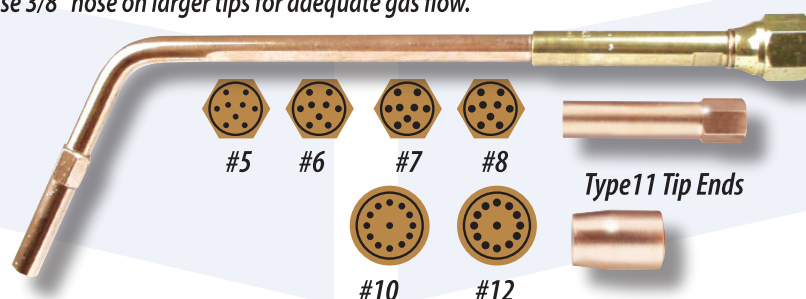
11H

INDUSTRY TERM: ROSEBUD

HEATING TIPS: COMPLETE Assembly

TYPE11H-5	TYPE11TE-5	UM43D	7/16"-27(M)	7	35
TYPE11H-6	TYPE11TE-6	UM43D	7/16"-27(M)	8	40
TYPE11H-7	TYPE11TE-7	UM43D	7/16"-27(M)	10	50
TYPE11H-8	TYPE11TE-8	UM43D	7/16"-27(M)	12	60
TYPE11H-10*	TYPE11TE-10	UM43D-2	1/2"-27(M)	15	90
TYPE11H-12*	TYPE11TE-12	UM43D-2	1/2"-27(M)	15	150

* Use 3/8" hose on larger tips for adequate gas flow.



43L9

TIP TYPE

COMPLETE ASSEMBLY PART#

TIP END ONLY

MIXER PART# ONLY

ELBOW TO MIXER THREAD SPEC

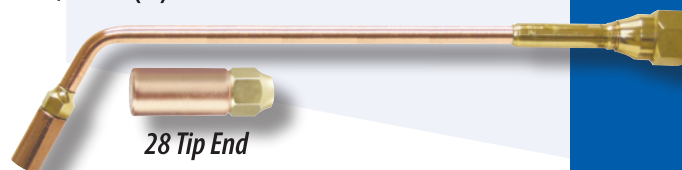
OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)

FLOW (SCFH) EACH GAS

USE WITH WELDING HANDLE#

HEATING TIPS: COMPLETE Assembly

TYPE7928-79-2	TYPE28TE-2	UM79	23/64"-26(M)	6	25
TYPE7928-79-4	TYPE28TE-4	UM79	23/64"-26(M)	8	35
TYPE7928-79-6	TYPE28TE-6	UM79	23/64"-26(M)	10	40
TYPE7928-79-8	TYPE28TE-8	UM79	23/64"-26(M)	12	50



WH79-2

7928-79

APPLICATION

PRE-HEATING
STRAIGHTENING

INDUSTRY TERM: ROSEBUD

TIP TYPE

COMPLETE ASSEMBLY PART#

TIP END ONLY

MIXER PART# ONLY

ELBOW TO MIXER THREAD SPEC

OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)

FLOW (SCFH) EACH GAS

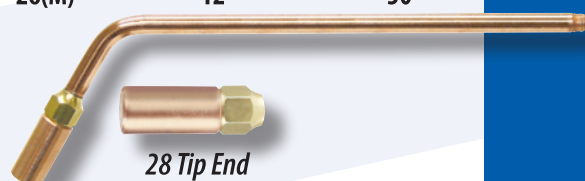
USE WITH WELDING HANDLE#

HEATING TIPS: ELBOW and Tip End

TYPE7928E-2	TYPE28TE-2	UM79	23/64"-26(M)	6	25
TYPE7928E-4	TYPE28TE-4	UM79	23/64"-26(M)	8	35
TYPE7928E-6	TYPE28TE-6	UM79	23/64"-26(M)	10	40
TYPE7928E-8	TYPE28TE-8	UM79	23/64"-26(M)	12	50



48



WH79-2

7928E

APPLICATION

PRE-HEATING
STRAIGHTENING

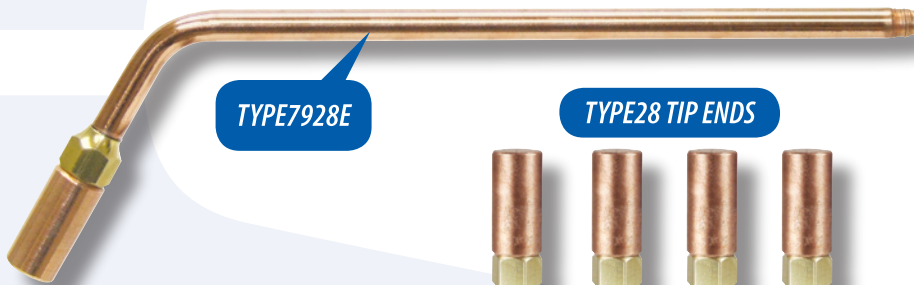
INDUSTRY TERM: ROSEBUD



TIPS BRAZING/HEATING

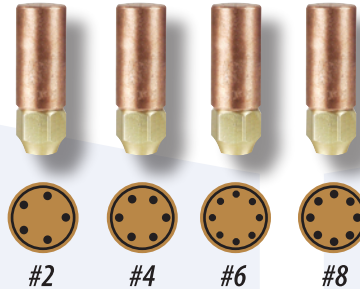
H-STYLE

ELBOW/MIXER COMPONENTS



TYPE7928E

TYPE28 TIP ENDS



#2

#4

#6

#8



UM79
MIXER

USE WITH
WH79
HANDLE



UM43
MIXER

USE WITH
43L9
HANDLE

OXYACETYLENE/MAPP®/PROPANE/NAT. GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART# ONLY	ELBOW TO MIXER THREAD SPEC	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
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APPLICATION

7928-43

PRE-HEATING
STRAIGHTENING

HEATING TIPS: COMPLETE ASSEMBLY

TYPE7928-43-2	TYPE28TE-2	UM43	23/64"-26(M)	6	25
TYPE7928-43-4	TYPE28TE-4	UM43	23/64"-26(M)	8	35
TYPE7928-43-6	TYPE28TE-6	UM43	23/64"-26(M)	10	40
TYPE7928-43-8	TYPE28TE-8	UM43	23/64"-26(M)	12	50

43L9



INDUSTRY TERM: ROSEBUD



28 Tip End

#2

#4

#6

#8

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART# ONLY	ELBOW TO MIXER THREAD SPEC	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
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APPLICATION
PRE-HEATING
STRAIGHTENING

7928E

HEATING TIPS: ELBOW and Tip End

TYPE7928E-2	TYPE28TE-2	UM43	23/64"-26(M)	6	25
TYPE7928E-4	TYPE28TE-4	UM43	23/64"-26(M)	8	35
TYPE7928E-6	TYPE28TE-6	UM43	23/64"-26(M)	10	40
TYPE7928E-8	TYPE28TE-8	UM43	23/64"-26(M)	12	50

43L9E



INDUSTRY TERM: ROSEBUD



28 Tip End

#2

#4

#6

#8

OXY/FUEL GAS ONLY (Do not use with Acetylene)

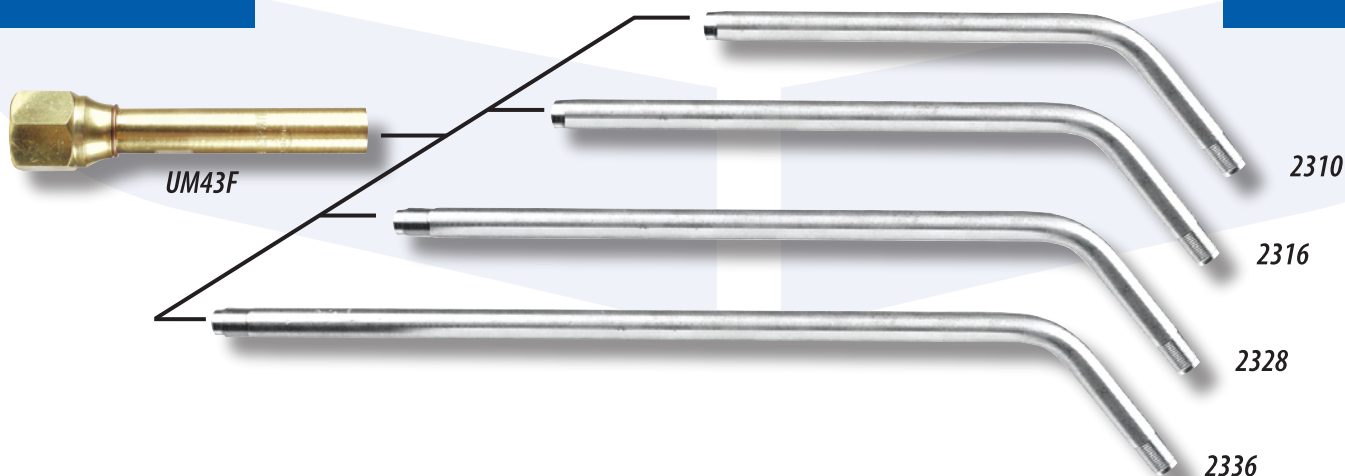
ELBOW TYPE	ELBOW ONLY PART #	LENGTH	ELBOW TIP END THREAD SPECS	MIXER ONLY PART #	MIXER END THREAD SPEC	USE WITH WELDING HANDLE #
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23

HEATING COMPONENTS

2310	10"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)
2316	16"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)
2328	28"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)
2336	36"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)

43L9



TIP END TYPE	TIP END PART #	TIP END THREAD SPEC	OXYGEN (PSIG)	FLOW (SCFH)	PROPANE (PSIG)	FLOW (SCFH)	HEAT OUTPUT (BTU/HR)
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DO NOT USE ACETYLENE

2290

HEATING TIPS (Fuel Gas only)

2290-1H	1/2"-25(F)	10-25	160-320	4-12	40-80
2290-2H	1/2"-25(F)	15-45	220-520	7-22	55-130
2290-3H	1/2"-25(F)	25-70	340-920	8-25	85-230
2290-4H*	1/2"-25(F)	50-110	640-1300	10-30	160-325
2290-5H*	1/2"-25(F)	60-135	720-1600	14-40	180-400

100,000-200,000
140,000-330,000
215,000-580,000
400,000-820,000
450,000-1,000,000

NOTE:

For high demand operations, manifolding of cylinders may be required.



NOTE:

To calculate heat output for propylene, use 2400 BTU/cu. ft. X flow CFH

NOTE:

*Use 3/8" hose for maximum flow and BTU output.



OUTFITS CUTTING & WELDING

**A-STYLE
TIP MIX**

ROUGHNECK HEAVY DUTY

The UniWeld Roughnecks are complete heavy duty oxyacetylene or oxy-fuel outfits for industrial and commercial cutting, welding, brazing and heating using most fuel gases.

KX98 A-Style

CA98A CUTTING ATTACHMENT with silver brazed triangular tube construction.

Tip mix technology is the safest and most reliable choice for cutting applications.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

98L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed outer handle that is vented for safety.

OPH1-730 A.L.C.

CA730 CUTTING ATTACHMENT with its three tube in-line construction. **Tip mix technology** for maximum safety, features an ergonomically designed oxygen lever. *NOTE: will work with A.L.C. handles.*

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

WH730 WELDING HANDLE can be used with most fuel gases and acetylene for heating, brazing, welding and other flame processes. *NOTE: will work with A.L.C. cutting attachments and A.L.C. welding tips.*

Cutting Capacity: 1/2" with supplied tip; up to 8" with optional tips [See pgs. 62-65]

Welding Capacity: 1/4" with supplied tips; up to 1-1/2" with optional tips [See pgs. 68, 69]

Heating Tips: [See pgs. 68, 69]



KX98

ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KX98 UPC# 86002	98L9	CA98A	144-1	TYPE 98 -1, -3, -5	TYPE 911-8	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 25' 1/4" "B" GOGGLES, LIGHTER
PART# KX98-4 UPC# 86008	98L9	CA98A	144-1	TYPE 98 -1, -3, -5	TYPE 911-8	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES
ROUGHNECK A.L.C. HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# OPH1-730 UPC# 86400	WH730	CA730	144-1	TYPE 730 -1, -3, -5	TYPE 73-8	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 25' 1/4" "B" GOGGLES, LIGHTER
PART# OPH1-730-4 UPC# 86401	WH730	CA730	144-1	TYPE 730 -1, -3, -5	TYPE 73-8	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES

ROUGHNECK AND ROUGHNECK A.L.C. OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



KV98A

FABRICATOR
HEAVY DUTY

MADE IN U.S.A.

The Uniweld Fabricator is a basic heavy duty oxy-fuel outfit for cutting, welding, brazing and heating.

CA98A CUTTING ATTACHMENT

with silver brazed triangular tube construction and **tip mix technology** for maximum safety.

RV or RUH82 SERIES REGULATORS with large, easy to read single scale 2-1/2" (RV) or 2" (RUH82) gauges.

98L9 WELDING HANDLE can be used with most fuel gases for heating and brazing or welding with acetylene.

Cutting Capacity: 8" with optional tips [See pgs. 62-65]

Welding Capacity: 1/2" with optional tips [See pgs. 67, 70, 71]

Heating Tips: [See pgs. 67, 70, 71]

FABRICATOR
HEAVY DUTYWELDING
HANDLECUTTING
ATTACHMENTOXYGEN*
REGULATOR
5-125 PSIGACETYLENE*
REGULATOR
2-15 PSIG

GAUGES

PART# KV98A
UPC# 86700

98L9

CA98A

RV8010
CGA540

RV8011
CGA510

2-1/2"

PART# KR98A
UPC# 86800

98L9

CA98A

RUH8210
CGA540

RUH8211
CGA510

2"

FABRICATOR OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

PROFESSIONAL
HEAVY DUTY

MADE IN U.S.A.

The Uniweld Professional is a basic heavy duty oxyacetylene and oxy-fuel cutting outfit.

CUTTING TORCH with precision machined forged brass head and body. 50A (bottom rear lever) or 54A (bottom middle lever). Three tube triangular construction and **tip mix technology** for maximum safety. For acetylene and most fuel gases 3 PSIG and above with proper tip.

RV or RUH83 SERIES REGULATORS with single scale 2-1/2" gauges. RV Regulators have stainless steel diaphragms and accessibility to the seat from the rear.



KV50A-21



Cutting Capacity: up to 12" with proper tip [See pgs. 62-65]

PROFESSIONAL
HEAVY DUTYHAND
CUTTING
TORCHOXYGEN*
REGULATOR
5-125 PSIGACETYLENE*
REGULATOR
2-15 PSIG

GAUGES

PART# KV50A-21
UPC# 86200

50A-21
90°

RV8010
CGA540

RV8011
CGA510

2-1/2"

PART# KV54A-21
UPC# 86300

54A-21
90°

RV8010
CGA540

RV8011
CGA510

2-1/2"

PROFESSIONAL
HEAVY DUTYHAND
CUTTING
TORCHOXYGEN*
REGULATOR
5-125 PSIGACETYLENE*
REGULATOR
2-15 PSIG

GAUGES

PART# KR50A-21
UPC# 86600

50A-21
90°

RUH8310
CGA540

RUH8311
CGA510

2-1/2"

PART# KR54A-21
UPC# 86500

54A-21
90°

RUH8310
CGA540

RUH8311
CGA510

2-1/2"

PROFESSIONAL OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



OUTFITS CUTTING & WELDING

**A-STYLE
TIP MIX**

ALL-AMERICAN HEAVY DUTY

The Uniweld heavy duty All-American is a tip mix oxyacetylene and oxy-fuel outfit for cutting, brazing and welding.

CA98A CUTTING ATTACHMENT with silver brazed triangular tube construction and **tip mix technology** for maximum safety. Used for most industrial and commercial applications.

RV SERIES REGULATORS with large, single scale 2-1/2" gauges and stainless steel diaphragm.

98L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed handle that's vented for safety.



KAV98A

Cutting Capacity: 1/2" with supplied tip; up to 8" with optional tips [See pgs. 62-65]

Welding Capacity: 1/8" with supplied tip; up to 1-1/2" with optional tips [See pgs. 67, 70, 71]

Heating Tips: [See pgs. 67, 70, 71]

ALL-AMERICAN HEAVY DUTY

WELDING HANDLE

CUTTING ATTACHMENT

CUTTING TIP

WELD/BRAZE TIP

OXYGEN* REGULATOR 5-125 PSIG

ACETYLENE* REGULATOR 2-15 PSIG

ACCESSORIES

PART# KAV98A
UPC# 86004

98L9

CA98A

144-1

TYPE
98-3

RV8010
CGA540

RV8011
CGA510

TWIN HOSE 20' 1/4" "B"
GOGGLES, LIGHTER

PART# KAV98A-4
UPC# 86006

98L9

CA98A

144-1

TYPE
98-3

RV8010
CGA540

RV8011
CGA510

NO ACCESSORIES

ALL-AMERICAN HEAVY DUTY

The Uniweld heavy duty All-American is a tip mix oxyacetylene and oxy-fuel outfit for cutting, brazing and welding.

CA98A CUTTING ATTACHMENT with silver brazed triangular tube construction and **tip mix technology** for maximum safety. Used for most industrial and commercial applications.

RUH83 SERIES REGULATORS with tri-layered reinforced diaphragm and single scale 2-1/2" gauges.

98L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed handle that's vented for safety.



KAR98A

Cutting Capacity: 1/2" with supplied tip; up to 8" with optional tips [See pgs. 62-65]

Welding Capacity: 1/8" with supplied tip; up to 1-1/2" with optional tips [See pgs. 67, 70, 71]

Heating Tips: [See pgs. 67, 70, 71]

ALL-AMERICAN HEAVY DUTY

WELDING HANDLE

CUTTING ATTACHMENT

CUTTING TIP

WELD/BRAZE TIP

OXYGEN* REGULATOR 5-125 PSIG

ACETYLENE* REGULATOR 2-15 PSIG

ACCESSORIES

PART# KAR98A
UPC# 87100

98L9

CA98A

144-1

TYPE
98-3

RUH8310
CGA540

RUH8311
CGA510

TWIN HOSE 20' 1/4" "B"
GOGGLES, LIGHTER

PART# KAR98A-4
UPC# 87102

98L9

CA98A

144-1

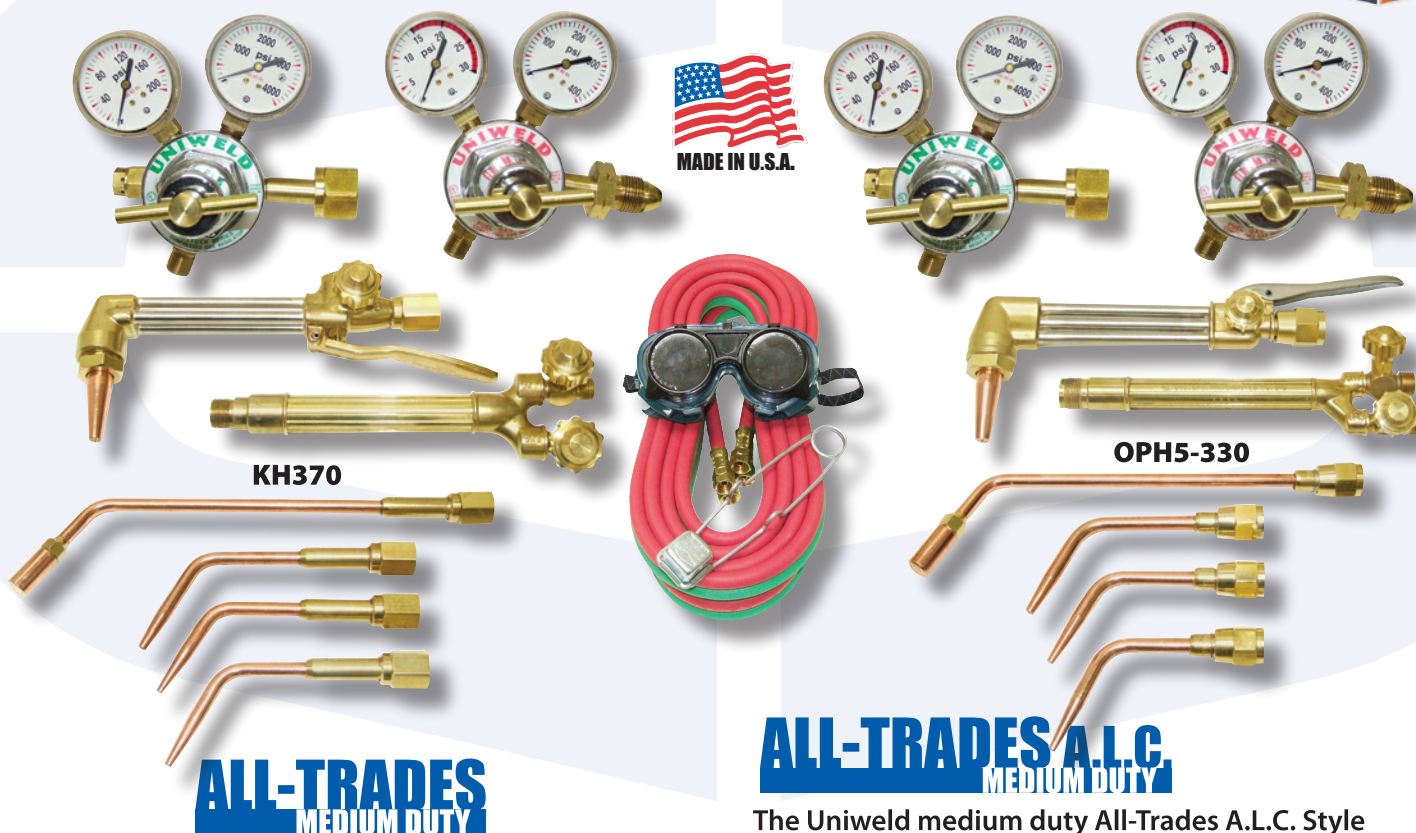
TYPE
98-3

RUH8310
CGA540

RUH8311
CGA510

NO ACCESSORIES

**ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE
REGULATORS - ORDER BY ADDING (-1) TO END OF PART#**


ALL-TRADES
MEDIUM DUTY

The Uniweld All-Trades medium duty tip mix outfit is used for cutting, brazing, heating and welding.

CA370 CUTTING ATTACHMENT with silver brazed triangular tube construction and **tip mix technology** for maximum safety.

RUH82 SERIES REGULATORS with tri-layered reinforced diaphragm and single scale 2" gauges.

WH370 WELDING HANDLE has O-ring sealed tube within a tube design and secure grip, ribbed brass handle.

Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 62-65]

Brazing Capacity: 1/4" with supplied tips; up to 3/4" with optional tips [See pg. 67]

Heating Tips: [See pg. 69]

ALL-TRADES A.L.C.
MEDIUM DUTY

The Uniweld medium duty All-Trades A.L.C. Style outfit is used for cutting, brazing, heating and welding applications.

CA330 CUTTING ATTACHMENT is compact (8.5") and durable. Silver brazed three tube-in line construction for strength and **tip mix technology** for maximum safety. *NOTE: will work with A.L.C. Handles.*

RUH82 SERIES REGULATORS with tri-layered reinforced diaphragm and single scale 2" gauges.

WH330 WELDING HANDLE with tube within a tube design and four O-ring seals for safety and easy service.

NOTE: will work with A.L.C. cutting attachments and A.L.C. welding tips.

Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 62-65]

Brazing Capacity: 1/4" with supplied tips; up to 3/4" with optional tips [See pg. 68]

Heating Tips: [See pg. 69]

ALL-TRADES MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KH370 UPC# 87002	WH370	CA370	144-1	TYPE 370 -1, -3, -5	TYPE 37-7	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# KH370-4 UPC# 87008	WH370	CA370	144-1	TYPE 370 -1, -3, -5	TYPE 37-7	RUH8210 CGA540	RUH8211 CGA510	NO ACCESSORIES
ALL-TRADES A.L.C. MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# OPH5-330 UPC# 87200	WH330	CA330	144-1	TYPE 330 -2, -3, -5	TYPE 33-5	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# OPH5-330-4 UPC# 87201	WH330	CA330	144-1	TYPE 330 -2, -3, -5	TYPE 33-5	RUH8210 CGA540	RUH8211 CGA510	NO ACCESSORIES

ALL-TRADES OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS
- ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections
available upon request. [See pgs. 97, 98]



OUTFITS CUTTING & WELDING

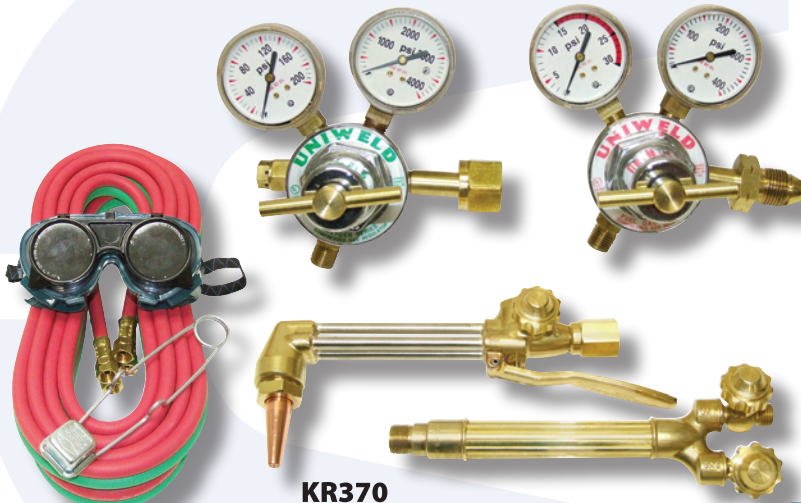
**A-STYLE
TIP MIX**

ALL-AMERICAN MEDIUM DUTY



The Uniweld All-American medium duty oxy-fuel outfit is used for cutting, welding and brazing.

- CA370 CUTTING ATTACHMENT with triangular tube construction and **tip mix technology**.
- RUH82 SERIES REGULATORS with a tri-layered reinforced diaphragm and single scale 2" gauges.
- WH370 WELDING HANDLE has an O-ring sealed tube within a tube design and secure grip, ribbed brass handle.



KR370

Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 62-65]

Welding Capacity: 1/8" with supplied tip; up to 3/4" with optional tips [See pgs. 67, 69]

Heating Tips: [See pgs. 67, 69]

ALL-MERICAN MEDIUM DUTY

WELDING HANDLE

CUTTING ATTACHMENT

CUTTING TIP

WELD/BRAZE TIP

OXYGEN* REGULATOR 5-125 PSIG

ACETYLENE* REGULATOR 2-15 PSIG

ACCESSORIES

PART# KR370
UPC# 87004

WH370

CA370

144-1

TYPE
370-3

RUH8210
CGA540

RUH8211
CGA510

TWIN HOSE 20' 3/16" "B"
GOGGLES, LIGHTER

PART# KR370-4
UPC# 87006

WH370

CA350

144-1

TYPE
370-3

RUH8210
CGA540

RUH8211
CGA510

NO ACCESSORIES

ALL-AMERICAN II MEDIUM DUTY

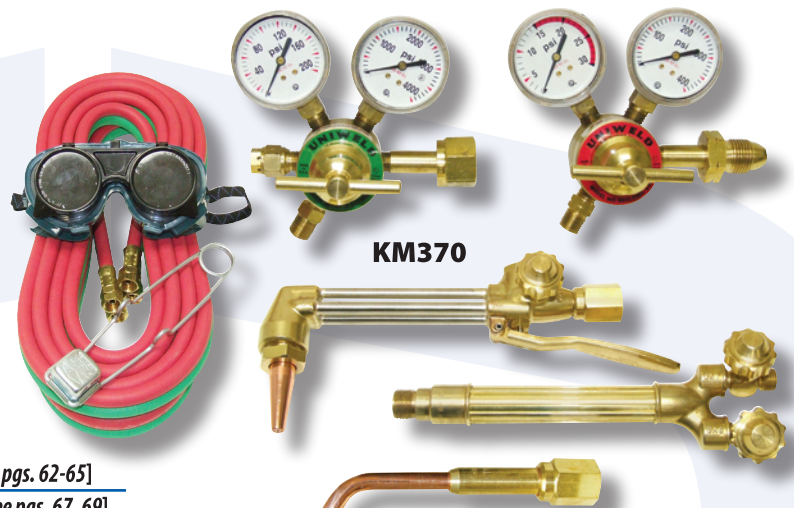


The Uniweld All-American II is a medium duty oxy-fuel outfit for cutting, welding and brazing.

CA370 CUTTING ATTACHMENT features triangular tube construction and **tip mix technology** for maximum safety. Capable of cutting up to 6".*

MR SERIES REGULATORS with cartridge type seat assembly and single scale 2" gauges.

WH370 WELDING HANDLE has an O-ring sealed tube within a tube design and secure grip, ribbed brass handle.



KM370

*Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs. 62-65]

Welding Capacity: 1/8" with supplied tip; up to 3/4" with optional tips [See pgs. 67, 69]

Heating Tips: [See pgs. 67, 69]

ALL-AMERICAN MEDIUM DUTY

WELDING HANDLE

CUTTING ATTACHMENT

CUTTING TIP

WELD/BRAZE TIP

OXYGEN* REGULATOR 5-80 PSIG

ACETYLENE* REGULATOR 2-15 PSIG

ACCESSORIES

PART# KM370
UPC# 88000

WH370

CA370

144-1

TYPE
370-3

MR8210
CGA540

MR8211
CGA510

TWIN HOSE 20' 3/16" "B"
GOGGLES, LIGHTER

PART# KM370-4
UPC# 88002

WH370

CA370

144-1

TYPE
370-3

MR8210
CGA540

MR8211
CGA510

NO ACCESSORIES

ALL-AMERICAN AND ALL-AMERICAN II OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#.

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

THE WURKS®-A
MEDIUM DUTY

The Uniweld Wurks®-A is an easy-to-operate, 12 piece, all-purpose outfit for cutting, welding and brazing that's packed in its own rugged Wurk Box with a compartmented accessory tray.



■ CA370 CUTTING ATTACHMENT with triangular tube construction and **tip mix technology**, can be used with oxyacetylene and most fuel gases 3 PSIG and above.

■ MR SERIES REGULATORS with large, easy to read single scale 2" gauges.

■ WH370 WELDING HANDLE has O-Ring sealed tube within a tube design and secure grip, ribbed brass handle.

Cutting Capacity: 1/2" with supplied tip; up to 6" with optional tips [See pgs.62-65]

Welding Capacity: 1/8" with supplied tip; up to 3/4" with optional tips [See pgs.67,69]

Heating Tips: [See pgs.67-69]

**WURKS-A**

**Look for this
12 pack display
at your local
distributor**

*Operating and Safety
Instructions included.
Oxygen and Fuel Gas
Cylinders required.*

Use the Wurks-A for:

- Cutting most Steels
- Auto, Truck and Trailer Repair
- Plumbing and General Home Maintenance
- Building Metal Workstands

- Creating Metal Artwork
- Heating Metal Bars and Pipes for Bending
- Removing Rusty Nuts from Rusty Bolts
- Repairing Garden and Farm Tools

WURKS-A OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

THE WURKS-A MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	TOOLBOX W/TRAY	ACCESSORIES†
PART# WURKS-A UPC# 88004	WH370	CA370	144-1	TYPE 370-2	MR8210 CGA540	MR8211 CGA510	BLACK PLASTIC	12.5' TWIN HOSE 3/16" "B"

†ACCESSORIES INCLUDE: GOGGLES, SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TIP CLEANER SET [Pg. 106], LEATHER WELDING GLOVES [Pg. 105]

*Dual scale gauges and other regulator connections
available upon request. [See pgs. 97, 98]



OUTFITS CUTTING & WELDING

**A-STYLE
TIP MIX**

ROLLIN' ROUGHNECK HEAVY DUTY

The Uniweld Rollin' Roughneck is the roughest, toughest, most complete portable heavy duty oxy-acetylene welding and cutting system you'll ever find.

CA98A CUTTING ATTACHMENT with sturdy triangular tube construction and **tip mix technology** is the most reliable and **SAFEST CHOICE** for cutting applications.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms & accessibility to the seat from the rear.

98L9 WELDING HANDLE can be used with oxyacetylene and most fuel gases for heating and brazing or welding with acetylene.

Cutting Capacity: 1/2" with supplied tip; up to 8" with optional tips [See pgs. 62-65]

Welding Capacity: 1/4" with supplied tips; up to 3" with optional tips [See pg. 67]

Heating Tips: [See pgs. 67, 70, 71]



Part# 509
[cart only]
UPC# 30016

Part# 509FW
[cart only with
built-in firewall]
UPC# 30019

86050



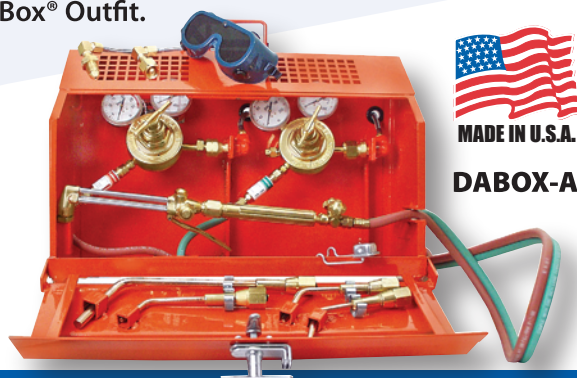
ROLLIN' ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ROLLIN' ROUGHNECK CART
PART# 86050 UPC# 86050	98L9	CA98A	144-1	TYPE 98 -1, -3, -5	TYPE 911-8	RV8010 CGA540	RV8011 CGA510	509 W/O CYLINDERS
PART# 80051 UPC# 80051	98L9	CA98A	144-1	TYPE 98 -1, -3, -5	TYPE 911-8	RV8010 CGA540	RV8011 CGA510	509FW† W/O CYLINDERS

ROLLIN' ROUGHNECK INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE#5 [Pg. 105], FLINT LIGHTER [Pg. 105], TORCH FLASHBACK ARRESTORS [Pg. 104] INSTALLED AND 18" STAINLESS STEEL PIGTAIL ASSEMBLY. † 509FW COMES WITH BUILT-IN FIREWALL

DA BOX® HEAVY DUTY

The Uniweld Da Box® is the perfect outfit to mount on your truck for maximum mobility and security. Includes A-Style Roughneck outfit, locking latch, heavy gauge steel construction and welded carry handle. Add the desired optional braided stainless steel hose pigtails(at right) to complete the Da Box® Outfit.

Part# DA BOX
[cabinet only]
UPC# 30017
Accepts all
Uniweld
Roughneck
Outfits



PIGTAILS

PART#	UPC#	LENGTH	DESCRIPTION
PT300-24	43601	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA300 Acetylene
PT300-36	43602	36"	
PT300-48	43603	48"	
PT510-24	43621	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA510 Acetylene or Propane
PT510-36	43622	36"	
PT510-48	43623	48"	
PT540-24	43631	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA540, Oxygen, 3000 PSIG
PT540-36	43632	36"	
PT540-48	43633	48"	

ADDITIONAL PIGTAILS AVAILABLE ON REQUEST

DA BOX® HEAVY DUTY OUTFIT	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	DA BOX BOX
PART# DABOX-A UPC# 86250	98L9	CA98A	144-1	TYPE 98 -1, -3, -5	TYPE 911-8	RV8010 CGA540	RV8011 CGA510	DA-BOX

DA BOX-A INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], CGA510 POL to CGA300 CA ADAPTOR [Pg. 97], REGULATOR FLASHBACK ARRESTOR INSTALLED [Pg. 104]

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

CA98A TIP MIX

FORGED BRASS HEAD

STAINLESS STEEL
BALL POINT VALVE WITH
TEFLON® PACKING

HAND TIGHT NUT
WITH TWO
O-RING SEALS

RIGID THREE TUBE
TRIANGULAR, SILVER
BRAZED CONSTRUCTION

PUSHROD TYPE CUTTING
OXYGEN VALVE THAT'S EASY
TO ADJUST AND REPAIR

FORGED BRASS
CUTTING LEVER

A-STYLE TIP SEATING AREA
3 TAPERED SEATS

HEAD
ANGLES



TIPMIX A-STYLE

A.L.C.



PART# UPC#	CA98A 02551	CA98 02550	CA370 02150	CA371 02151	CA100 02700
LENGTH	10"	10"	8-3/4"	8-3/4"	7"
WEIGHT	26 OZ.	26 OZ.	25 OZ.	25 OZ.	10.8 OZ.
HEAD ANGLE	90°	75°	90°	75°	90°
CUTTING CAPACITY*	8"	8"	6"	6"	2"
TIP STYLE*	A	A	A	A	CT100
COMPATIBLE WELDING HANDLES	98L9 98L11	98L9 98L11	WH370	WH370	WH550 WH250 71

PART# UPC#	CA730 02250	CA731 02251	CA330 02050	CA331 02051
LENGTH	11-1/4"	11-1/4"	8-1/2"	8-1/2"
WEIGHT	28.5 OZ.	28.5 OZ.	18 OZ.	18 OZ.
HEAD ANGLE	90°	75°	90°	75°
CUTTING CAPACITY*	8"	8"	6"	6"
TIP STYLE*	A	A	A	A
COMPATIBLE WELDING HANDLES	WH730	WH730	WH330	WH330

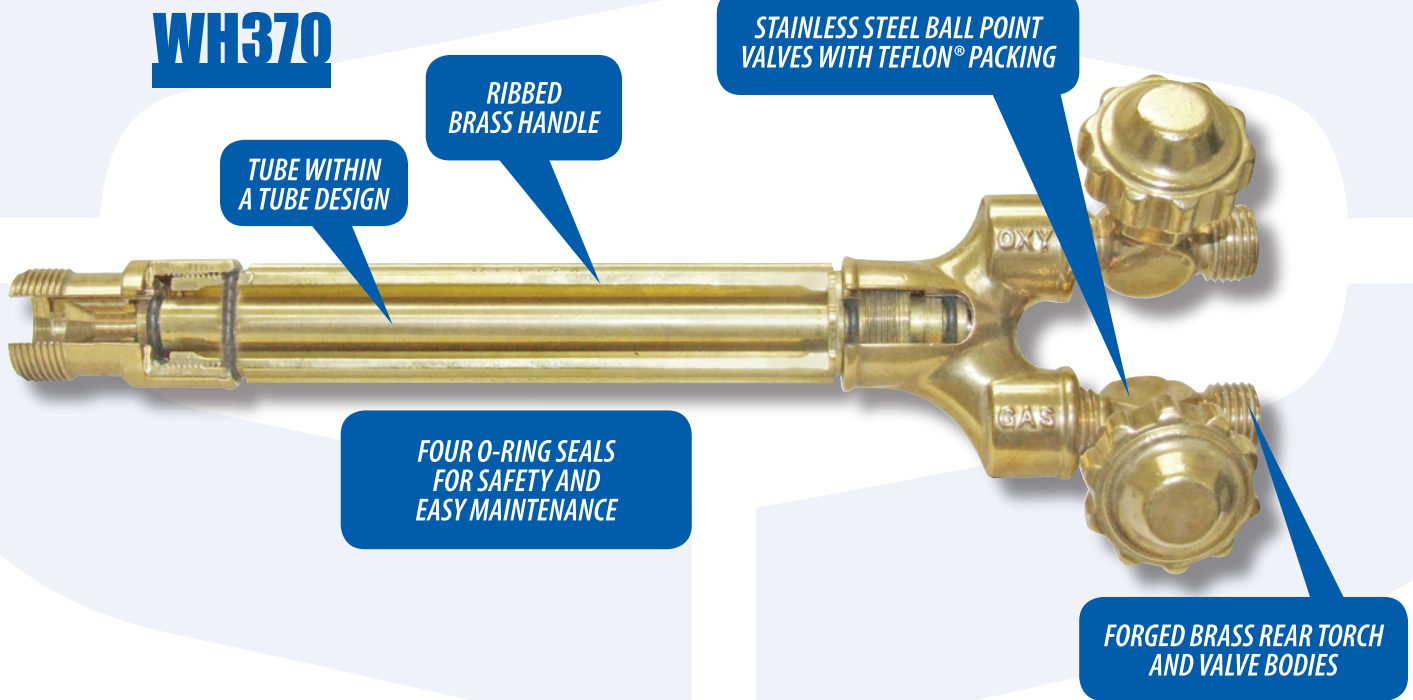
*SEE PAGES 62-66 FOR A-STYLE CUTTING TIPS
AND SPECIAL PURPOSE TIP SELECTION



WELDING HANDLES

A-STYLE

WH370



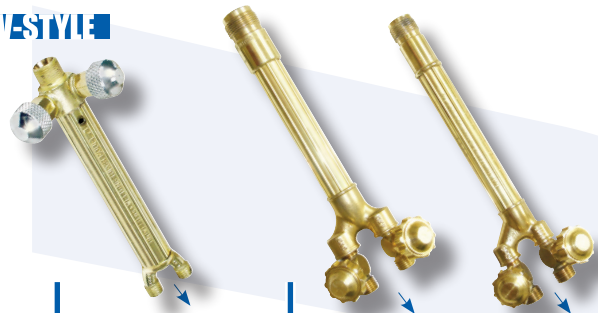
A-STYLE

A-STYLE



A-STYLE

A-STYLE



A-STYLE

A-STYLE

PART# UPC#	98L9** 00500	98L11** 00501	WH370 00200	71** 00300	WH730 00400	WH330 00050
LENGTH	9"	11"	8-3/4"	6"	8-3/4"	8"
WEIGHT	18 OZ.	21 OZ.	20 OZ.	8 OZ.	18.5 OZ.	13.5 OZ.
HOSE CONNECTION	"B" 9/16"-18			"A" 3/8"-24 THREAD		
WELDING CAPACITY*	1-1/4"	1-1/4"	1-1/4"	1/4"	1-1/4"	1-1/4"
COMPATIBLE CUTTING ATTACHMENTS	CA98A(90°) CA98A(75°)	CA98A(90°) CA98A(75°)	CA370(90°) CA370(75°)	CA550(90°) CA250(90°) CA100(90°)	CA730(90°) CA730(75°)	CA330(90°) CA330(75°)

** HAVE TWO SILVER BRAZED TUBES INSIDE A VENTED BRASS HANDLE

*SEE PAGES 67-71 FOR WELDING, BRAZING, HEATING TIPS and MIXER INFORMATION.

54A-21
TIP MIX

CNC PRECISION
MACHINED
FORGED BRASS HEAD

RIGID THREE TUBE
TRIANGULAR SILVER
BRAZED CONSTRUCTION

HEAVY DUTY RIBBED
BRASS HANDLE

TWO TUBE SILVER
BRAZED VENTED
CONSTRUCTION

FIELD REPLACEABLE
EXTERNAL
CHECK VALVES†

A-STYLE
3 TAPERED
SEATS

PUSHROD TYPE CUTTING
OXYGEN VALVE DESIGNED
FOR EASE OF SERVICE
AND REPAIR

STAINLESS STEEL
BALL POINT
VALVES WITH
TEFLON® PACKING

HEAD
ANGLES

90°

75°

180°

STAINLESS STEEL HEAD • STAINLESS STEEL HEAD • STAINLESS STEEL HEAD • STAINLESS STEEL HEAD •
52A-21;
56A-21
FOR SEVERE
SERVICE
APPLICATIONS

HEAD ANGLE	PART#	30SA-16	30SA-18	30SA-21	30SA-36	30SA-48	50A-21	50A-36	50A-48	54A-21*	54A-36*	52A-21	56A-21
90°	UPC#	04401	04406	04421	04411	04416	04501	04506	04511	04601	04606	04551	04651
HEAD ANGLE	PART#	30S-16	30S-18	30S-21	30S-36	30S-48	50-21	50-36	50-48	54-21*	54-36*	-	-
75°	UPC#	04400	04405	04420	04410	04415	04500	04505	04510	04600	04605		
HEAD ANGLE	PART#	30SB-16	30SB-18	30SB-21	30SB-36	30SB-48	50B-21	50B-36	50B-48	54B-21*	54B-36*	-	-
180°	UPC#	04402	04407	04422	04412	04414	04502	04507	04512	04602	04607		
TORCH LENGTH		16"	18"	21"	36"	48"	21"	36"	48"	21"	36"	21"	21"
WEIGHT		52 OZ.	58 OZ.	71 OZ.	84 OZ.	52 OZ.	58 OZ.	71 OZ.	84 OZ.	38 OZ.	38 OZ.	40 OZ.	40 OZ.
LEVER POSITION		BOTTOM REAR								BOTTOM MIDDLE		BOT REAR	BOT MID.
CUTTING CAPACITY**		12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
TIP STYLE		A	A	A	A	A	A	A	A	A	A	A	A

**SEE PAGES 62-66 FOR A-STYLE CUTTING TIPS and SPECIAL PURPOSE TIP SELECTION

* ADDITIONAL TORCH LENGTHS ARE AVAILABLE, EXCEPT FOR SERIES 54 & 56



TORCHES MACHINE CUTTING

A-STYLE

64 SERIES TIP MIX

PRECISION
REAMED
SEATS

HEAVY DUTY BRASS
STANDARD 1-3/8" BARREL

FOUR POSITION RACK
ADJUSTMENT 90° APART

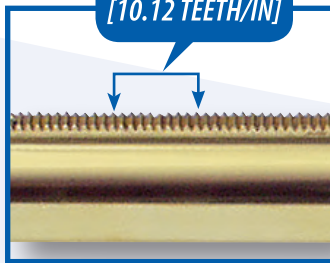
QUICK
OPENING
VALVE

STAINLESS STEEL BALL
POINT PREHEAT VALVES

64-TRL

32 PITCH
[10.12 TEETH/IN]

Racks supplied with standard
32 pitch (10.12 teeth/inch).
24 pitch (7.65 teeth/inch)
available on request.



TECH
TIP

In order to make uniformly clean cuts on steel plate, motor driven cutting machines are used to support and guide the cutting torch. Straight line cutting or beveling can be accomplished by using a portable cutting machine that runs along a straight steel track. Arcs and circles are cut by guiding the machine with a radius rod pivoted about a central point. [See pg. 120]

64 SERIES FOR MOST FUEL GASES**

PART# UPC#	64-6 04702	64 04705	64-6R 04703	64-R 04706
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"

PART# UPC#	64-T 04707	64-TL 04709	64-6TR 04704	64-TR 04708	64-TRL 04710
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	15"	15"	15"	15"	15"

PART# UPC#	64-6TV 04700	64-6TRV 04701
---------------	-----------------	------------------

BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	15"	15"

Common oxyfuel cutting applications include carbon and low alloys steel. These materials can be cut economically, and setup is simple and quick. Materials from 1/16" (1.6mm) up to 4" (102mm) thick are commonly cut using manual oxyfuel gas cutting. Material up to 7 ft. (2.4m) in thickness is successfully cut by using machine cutting.

TECH
TIP



64-6

PRECISION
REAMED
SEATS

CAM
ACTION
VALVE



64-6TRV

Hose connections: "B" 9/16"-18. [See pg. 103]

** For most fuel gases 3 PSIG and above with proper tip.

*SEE PAGES 62-72 FOR CUTTING TIPS.

ACETYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

TIP STYLE		ONE PIECE				
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE PSIG	SPEED I.P.M.
			PSIG	SCFH		

CA98, CA730 30, 50, 64
CA370, CA330 54 & 56 SERIES

GENERAL
PURPOSE
HAND
CUTTING

MACHINE
CUTTING



**144
[ONE PIECE]**



TECH TIP

A damaged seating surface on either the tip or the head can create a dangerous condition, resulting in a backfire or flashback. This may damage the cutting torch. If the seating surface of a tip becomes damaged, DO NOT use it. Discard the damaged tip.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

TIP STYLE		ONE PIECE				
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE PSIG	SPEED I.P.M.
			PSIG	SCFH		

CA98, CA730 30, 50, 64
CA370, CA330 54 & 56 SERIES

GENERAL
PURPOSE
CUTTING

FOR RUSTED
AND PAINTED
SURFACES



164 [ONE PIECE]



164-00	1/8"	68	20/25	30	5	28/32
164-0	5/16"	62	20/25	60	5	25/30
164-1	1/2"	56	25/30	85	5	24/28
164-2	1"	54	30/40	130	8	17/20
164-3	1-3/4"	52	40/50	190	8	12/17
164-4	2-1/2"	49	45/55	200	10	10/13
164-5	4"	45	45/60	310	10	9/12
164-6	6"	41	50/70	490	12	7/9
164-7	8"	34	55/85	520	15	5/6
164-8	10"	30	55/95	550	15	3/5
164-9	12"	26	65/95	650	15	2/4
164-10	13"	18	70/100	715	15	1/3

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

TIP STYLE		ONE PIECE				
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE PSIG	SPEED I.P.M.
			PSIG	SCFH		

CA98, CA730 30, 50, 64
CA370, CA330 54 & 56 SERIES

CUTTING
CLEAN PLATE
CLOSE CIRCLE

PREHEAT
PATTERN



138 [ONE PIECE]



TECH TIP

The ideal cut is a narrow gap with a sharp edge on either side of the workpiece. Overheating the workpiece and thus melting through it, causes a rounded edge.



TIPS CUTTING

**A-STYLE
TIP MIX**

ACETYLENE

USE WITH SERIES
HAND CUTTING
CUTTING TORCHES
MACHINE CUTTING
TORCHES

APPLICATION

TIP STYLE

ONE PIECE

CA98, CA730
CA370, CA330

30, 50,
54 & 56

N/A

GROOVING
GOUGING
REMOVING
WELD METAL
TIP BENT 20°

183 [ONE PIECE]



PART #

DEPTH

CUTTING
OXYGEN
PSIG

ACETYLENE
PSIG

183-6

1/8" - 1/4"

50/65

3

183-8

1/4" - 3/8"

65/85

5

183-10

3/8" - 1/2"

84/100

7

183-12

7/16" - 5/8"

90/110

9

**TECH
TIP**

One piece tips are used with acetylene and are made from copper alloy to withstand the heat of the cutting process. The copper alloy is machined, drilled and swaged over special wires to produce exact holes for preheats and cutting oxygen bores. Tolerances must be controlled carefully to produce stable flames.

USE WITH SERIES
HAND CUTTING
CUTTING TORCHES
MACHINE CUTTING
TORCHES

APPLICATION

TIP STYLE

ONE PIECE

CA98, CA730
CA370, CA330

30, 50,
54 & 56

N/A

GOUGING
REMOVING
WELD METAL



185 [ONE PIECE]



RIVET
WASHING

PART #

CUT OXY
DRILL SIZE

CUTTING
OXYGEN
PSIG

ACETYLENE
PSIG

185-6

38

35/60

5/9

185-8

31

35/60

9/12

185-10

28

35/60

9/12

**TECH
TIP**

In oxyacetylene gouging, equal quantities of oxygen and acetylene are used to set a near-neutral preheating flame. When the preheating flame and oxygen jet are correctly set, the gouge has a uniform profile and its surfaces are smooth.

USE WITH SERIES
HAND CUTTING
CUTTING TORCHES
MACHINE CUTTING
TORCHES

APPLICATION

TIP STYLE

ONE PIECE

CA98, CA730
CA370, CA330

30, 50,
54 & 56

64
SERIES

HAND CUTTING
RIVET HEADS
OR
MACHINE
CUTTING 45°
BEVELS



195 [ONE PIECE]



PART #

CUT METAL
THICKNESS

CUT OXY
DRILL SIZE

CUTTING
OXYGEN
PSIG

ACETYLENE
PSIG

SPEED
I.P.M.

195-1

3/8"

56

30/35

3/5

20/24

195-2

1/2"

54

35/40

3/7

14/18

195-3

3/4"

52

40/45

5/10

12/15

**TECH
TIP**

Rivet washing tips use a low-velocity cutting oxygen stream to blow rivets through a plate without damaging it. Burn the rivet heads off by placing the tip perpendicular to the rivet and NOT by trying to cut the rivet head off from the side as you will likely score and damage the base steel material. After removal of the rivet head, the rivet shank needs to be removed by mechanical means only.

USE WITH SERIES
HAND CUTTING
CUTTING TORCHES
MACHINE CUTTING
TORCHES

APPLICATION

TIP STYLE

ONE PIECE

CA100

N/A

N/A

GENERAL
PURPOSE
CUTTING



CT100 [ONE PIECE]



PART #

CUT METAL
THICKNESS

CUT OXY
DRILL SIZE

CUTTING
OXYGEN
PSIG SCFH

ACETYLENE
PSIG

SPEED
I.P.M.

CT100-00

1/4"

67

20/25

30/35

5

20/23

CT100-0

1/2"

60

20/25

40/60

5

16/19

CT100-1

3/4"

56

30/35

80/85

5

14/17

CT100-2

1-1/2"

53

35/40

140/180

7

11/14

NATURAL GAS/PROPANE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
CA98, CA730 CA370, CA330	30, 50 54 & 56	64 SERIES	GENERAL PURPOSE HAND CUTTING MACHINE CUTTING SCRAP CUTTING



229 [TWO PIECE]



TIP STYLE TWO PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	ACETYLENE PSIG	SPEED I.P.M.
229-0	1/4"	62	25/30	3/5	26/29
229-1	1/2" - 3/4"	56	30/35	3/5	17/24
229-2	1" - 1-1/2"	54	35/45	3/7	13/18
229-3	2" - 4"	52	40/45	5/10	8/15
229-4	5"	49	45/55	6/12	7/9
229-5	6"	45	45/55	7/12	6/8
229-6	7"	41	45/55	8/14	5/6
229-7	10"	34	45/55	10/15	4/5
229-8	12"	30	45/55	10/15	3/4

TECH TIP

Two-piece tips consist of an outer shell [see FIG.1 below] and a splined insert [see FIG.2 below]. The splined insert is used to eliminate the need to drill numerous preheat holes required for cooler -and- slower - burning gases. Different spline configurations allow different fuel gases to burn more efficiently.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
CA98, CA730 CA370, CA330	30, 50, 54 & 56	64 SERIES	FAST STARTING TIP FOR GENERAL HAND CUTTING MACHINE CUTTING



263 [TWO PIECE]



TIP STYLE TWO PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	ACETYLENE PSIG	SPEED I.P.M.
263-00	1/8"	74	20/25	3/5	27/30
263-0	1/4"	60	25/30	3/5	26/29
263-1	1/2" - 3/4"	59	30/35	3/5	17/24
263-2	1" - 1-1/2"	56	30/45	3/7	13/18
263-3	2" - 4"	53	45/50	5/10	8/15
263-5	5-1/2"	45	45/55	7/12	6/8
263-7	10"	39	45/55	10/15	4/5
263-8	12"	30	45/55	10/15	3/4

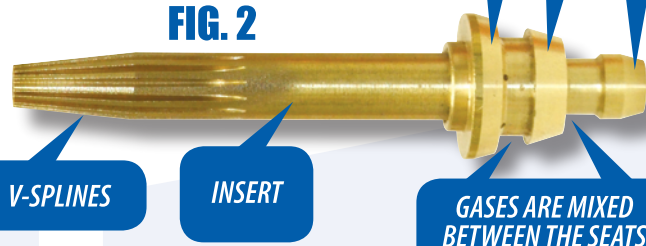
FIG. 1

OUTER SHELL



FIG. 2

3 SEAT DESIGN PROVIDES OPTIMUM SAFETY



V-SPLINES

INSERT

GASES ARE MIXED BETWEEN THE SEATS

TECH TIP

For Natural Gas and Propane, V-splines make preheats more efficient. Small tips usually have small splines, and large tips use wide V-splines. These gases require a deeper recess (CUP) between the insert and the shell to better anchor the preheat flames of those slower burning gases.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.



TIPS CUTTING

**A-STYLE
TIP MIX**

LIQUID AIR® FUEL GAS/MAPP/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
CA98, CA730 CA370, CA330	30, 50, 54 & 56	64 SERIES	GENERAL PURPOSE CUTTING FAST EVEN PREHEAT PATTERN



AFS [TWO PIECE]



TIP STYLE			TWO PIECE				
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE PSIG	SPEED I.P.M.	STANDARD SIZE
			PSIG	SCFH			
AFS-72	1/8"	72	60/70	55/65	2/4	22/24	000
AFS-68	1/4" - 3/8"	68	70/80	66/70	2/4	20/22	00
AFS-65	1/2"	65	75/80	80/90	2/4	20/22	0
AFS-60	5/8"	60	75/80	110/130	3/5	19/22	0
AFS-56	1"	56	80/85	160	3/5	17/22	1
AFS-54	1-1/2"	54	80/85	230	4/7	16/19	2
AFS-52	2"	52	80/85	340	4/7	15/16	3
AFS-49	3" - 4"	49	85/95	480	5/9	12/15	4
AFS-44	5"	44	85/95	500	5/9	12/15	5
AFS-38	6"	38	85/95	540	6/10	10/13	6
AFS-31	12"	31	90/95	600	7/12	8/10	8

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
N/A	N/A	64 SERIES	HIGH SPEED MACHINE CUTTING SPECIAL CUTTING OXYGEN ORIFICE



AFH [TWO PIECE]

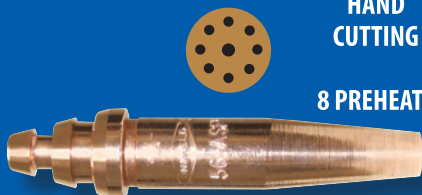


TIP STYLE		TWO PIECE					
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE PSIG	SPEED I.P.M.	STANDARD SIZE
			PSIG	SCFH			
AFH-68	1/4" - 3/8"	68	70/80	66/70	2/4	20/22	00
AFH-65	1/2"	65	75/80	80/90	2/4	20/22	0
AFH-60	5/8"	60	75/80	110/130	3/5	19/22	0
AFH-56	1"	56	80/85	160	3/5	17/22	1
AFH-54	1-1/2"	54	80/85	230	4/7	16/19	2
AFH-52	2"	52	80/85	340	4/7	15/16	3
AFH-49	3" - 4"	49	85/95	480	5/9	12/15	4
AFH-44	5"	44	85/95	500	5/9	12/15	5

TECH TIP

Robotic oxy-fuel cutters sometimes use a high speed divergent nozzle. This uses an oxygen jet that opens slightly along its passage. This allows the compressed oxygen to expand as it leaves, forming a high-velocity jet that spreads less than a parallel-bore nozzle, allowing a cleaner cut. These are not used for cutting by hand since they need very accurate positioning above the work.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	
CA98, CA730 CA370, CA330	30, 50, 54 & 56	64 SERIES	GENERAL PURPOSE HAND CUTTING 8 PREHEATS



***ASP [ONE PIECE]**

TIP STYLE			ONE PIECE				
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE PSIG	SPEED I.P.M.	STANDARD SIZE
			PSIG	SCFH			
ASP-72	1/8"	72	60/70	55/65	2/4	22/24	000
ASP-68	1/4" - 3/8"	68	70/80	66/70	2/4	20/22	00
ASP-65	1/2"	65	75/80	80/90	2/4	20/22	0
ASP-60	5/8"	60	75/80	110/130	3/5	19/22	0
ASP-56	1"	56	80/85	160	3/5	17/22	1
ASP-54	1-1/2"	54	80/85	230	4/7	16/19	2
ASP-52	2"	52	80/85	340	4/7	15/16	3
ASP-49	3" - 4"	49	85/95	480	5/9	12/15	4
ASP-44	4"	44	85/95	500	5/9	12/15	5
ASP-38	6"	38	85/95	540	6/10	10/13	6
ASP-31	12"	31	90/95	600	7/12	8/10	8

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.



TECH TIP

Acetylene cutting tips are usually manufactured with four or six preheat holes and produced to allow light, medium and heavy preheats for use with clean, dirty, or rusted plate.



They are solid copper, one piece.

Rivet-washing tips use a low-velocity cutting oxygen stream to blow rivets through a plate without damaging it. Tips also are available for gouging out welds, cutting sheet metal, and other specialized uses.

One-piece tips can also be used with methylacetylene-propadiene (MAPP®) and propylene. They have eight preheat holes to provide the extra heat required for these gases. However, two-piece tips generally provide the best results with MAPP® gas and propylene.

ACETYLENE

USE WITH SERIES	APPLICATION
HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES CUTTING TORCHES	

OXWELD STYLE EQUIPMENT

GENERAL
PURPOSE
CUTTING



1502
[ONE PIECE]



TIP STYLE

OXWELD® ONE PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
1502-3	1/4"	68	20/25	35//45	5/7	6/8	17/25	.045
1502-4	1/2"	60	30/35	65/75	5/7	8/10	15/23	.065
1502-6	1-1/2"	53	40/45	150/170	5/7	16/20	11/16	.090
1502-8	4"	46	35/45	235/285	6/8	19/22	6/9	.105
1502-10	8"	39	55/65	545/625	6/10	30/35	3.5/5	.170
1502-12	12"	31	55/65	740/905	10/12	45/55	2.4/3	.210

TECH TIP

One-piece tips have oxygen bores that come in two configurations: a straight bore using 40 to 60 PSI for hand cutting and a divergent bore that has a tapered or flared outlet hole for use in machine cutting. The divergent-bore tips use higher outlet pressure of 70 to 100 PSI and allow for 25 percent increase in cutting speed over straight-bore tips.

USE WITH SERIES	APPLICATION
HAND CUTTING ATTACHMENT MACHINE CUTTING TORCHES CUTTING TORCHES	

PUROX STYLE EQUIPMENT

GENERAL
PURPOSE
CUTTING



4202
[ONE PIECE]



TIP STYLE

PUROX® ONE PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN		ACETYLENE		SPEED I.P.M.	KERF WIDTH
			PSIG	SCFH	PSIG	SCFH		
4202-3	1/4"	68	20/25	38/45	5/10	8/10	28/32	.055
4202-4	1/2"	60	30/35	70/75	5/10	10/12	18/22	.065
4202-5	1-1/2"	55	45/56	168/175	5/10	16/20	11/13	.090
4202-7	4"	50	60/73	300/325	5/12	21/25	8/10	.110
4202-9	6"	43	67/73	410/460	7/12	25/28	6/8	.160
4202-11	10"	35	80/86	680/740	7/12	40/45	1/2	.190
4202-13	12"	30	75/85	800/860	7/12	48/45	1/2	.210

TECH TIP

The six outer jets of a cutting tip are for oxygen and acetylene (Preheat Flames) and the central jet carries only oxygen. The preheat flames are not intended to melt the metal, but to bring it to its ignition temperature.


NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.




TIPS WELDING/HEATING

A-STYLE

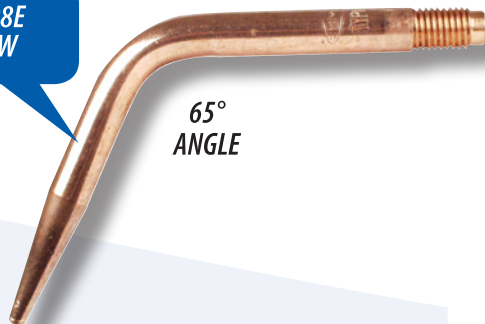
OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT. GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
APPLICATION WELDING HEATING BRAZING SOLDERING 	TYPE98-00	TYPE98E-00	UM98	3/8"-20(M, F)	1/64"	5	5	2	98L9 98L11
	TYPE98-0	TYPE98E-0	UM98	3/8"-20(M, F)	1/32"	5	5	3	
	TYPE98-1	TYPE98E-1	UM98	3/8"-20(M, F)	1/16"	5	5	5	
	TYPE98-2	TYPE98E-2	UM98	3/8"-20(M, F)	3/32"	5	5	8	
	TYPE98-3	TYPE98E-3	UM98	3/8"-20(M, F)	1/8"	5	5	12	
	TYPE98-4	TYPE98E-4	UM98	3/8"-20(M, F)	3/16"	5	5	15	
	TYPE98-5	TYPE98E-5	UM98	3/8"-20(M, F)	1/4"	5	5	24	
	TYPE98-6	TYPE98E-6	UM98	3/8"-20(M, F)	3/8"	6	6	35	
	TYPE98-7	TYPE98E-7	UM98	3/8"-20(M, F)	1/2"	7	7	43	
	TYPE98-8	TYPE98E-8	UM98	3/8"-20(M, F)	3/4"	7	7	55	
	TYPE98-9	TYPE98E-9	UM98	3/8"-20(M, F)	1"	7	7	63	
	TYPE98-10	TYPE98E-10	UM98	3/8"-20(M, F)	1-1/2"	9	9	76	

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
APPLICATION WELDING HEATING BRAZING SOLDERING 	TYPE370-00	TYPE98E-00	UM370	3/8"-20(M, F)	1/64"	5	5	2	WH370
	TYPE370-0	TYPE98E-0	UM370	3/8"-20(M, F)	1/32"	5	5	3	
	TYPE370-1	TYPE98E-1	UM370	3/8"-20(M, F)	1/16"	5	5	5	
	TYPE370-2	TYPE98E-2	UM370	3/8"-20(M, F)	3/32"	5	5	8	
	TYPE370-3	TYPE98E-3	UM370	3/8"-20(M, F)	1/8"	5	5	12	
	TYPE370-4	TYPE98E-4	UM370	3/8"-20(M, F)	3/16"	5	5	15	
	TYPE370-5	TYPE98E-5	UM370	3/8"-20(M, F)	1/4"	5	5	24	
	TYPE370-6	TYPE98E-6	UM370	3/8"-20(M, F)	3/8"	6	6	35	
	TYPE370-7	TYPE98E-7	UM370	3/8"-20(M, F)	1/2"	7	7	43	
	TYPE370-8	TYPE98E-8	UM370	3/8"-20(M, F)	3/4"	7	7	55	
	TYPE370-9	TYPE98E-9	UM370	3/8"-20(M, F)	1"	7	7	63	
	TYPE370-10	TYPE98E-10	UM370	3/8"-20(M, F)	1-1/2"	9	9	76	

ELBOW/MIXER COMPONENTS

TYPE98E ELBOW



65°
ANGLE



UM98
MIXER

USE WITH
98L9, 98L11
HANDLES



UM370
MIXER

USE WITH
WH370
HANDLE

NOTE: These tips are to be only hand tightened to the welding torch handles. Over tightening will damage the "O-Rings".

▽ Carefully read and understand operating instructions before using welding/heating tips.

OXYACETYLENE/HYDROGEN/MAPP®/PROPANE/NAT. GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
APPLICATION WELDING HEATING BRAZING SOLDERING 	TYPE730-00	TYPE98E-00	UM730	3/8"-20(M, F)	1/64"	5	5	2	WH730
	TYPE730-0	TYPE98E-0	UM730	3/8"-20(M, F)	1/32"	5	5	3	
	TYPE730-1	TYPE98E-1	UM730	3/8"-20(M, F)	1/16"	5	5	5	
	TYPE730-2	TYPE98E-2	UM730	3/8"-20(M, F)	3/32"	5	5	8	
	TYPE730-3	TYPE98E-3	UM730	3/8"-20(M, F)	1/8"	5	5	12	
	TYPE730-4	TYPE98E-4	UM730	3/8"-20(M, F)	3/16"	5	5	15	
	TYPE730-5	TYPE98E-5	UM730	3/8"-20(M, F)	1/4"	5	5	24	
	TYPE730-6	TYPE98E-6	UM730	3/8"-20(M, F)	3/8"	6	6	35	
	TYPE730-7	TYPE98E-7	UM730	3/8"-20(M, F)	1/2"	7	7	43	
	TYPE730-8	TYPE98E-8	UM730	3/8"-20(M, F)	3/4"	7	7	55	
	TYPE730-9	TYPE98E-9	UM730	3/8"-20(M, F)	1"	7	7	63	
	TYPE730-10	TYPE98E-10	UM730	3/8"-20(M, F)	1-1/2"	9	9	76	

TIP TYPE	COMPLETE ASSEMBLY PART#	ELBOW ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE #
APPLICATION WELDING HEATING BRAZING SOLDERING 	TYPE330-00	TYPE98E-00	UM330	3/8"-20(M, F)	1/64"	5	5	2	WH330
	TYPE330-0	TYPE98E-0	UM330	3/8"-20(M, F)	1/32"	5	5	3	
	TYPE330-1	TYPE98E-1	UM330	3/8"-20(M, F)	1/16"	5	5	5	
	TYPE330-2	TYPE98E-2	UM330	3/8"-20(M, F)	3/32"	5	5	8	
	TYPE330-3	TYPE98E-3	UM330	3/8"-20(M, F)	1/8"	5	5	12	
	TYPE330-4	TYPE98E-4	UM330	3/8"-20(M, F)	3/16"	5	5	15	
	TYPE330-5	TYPE98E-5	UM330	3/8"-20(M, F)	1/4"	5	5	24	
	TYPE330-6	TYPE98E-6	UM330	3/8"-20(M, F)	3/8"	6	6	35	
	TYPE330-7	TYPE98E-7	UM330	3/8"-20(M, F)	1/2"	7	7	43	
	TYPE330-8	TYPE98E-8	UM330	3/8"-20(M, F)	3/4"	7	7	55	
	TYPE330-9	TYPE98E-9	UM330	3/8"-20(M, F)	1"	7	7	63	
	TYPE330-10	TYPE98E-10	UM330	3/8"-20(M, F)	1-1/2"	9	9	76	

A.L.C. ELBOW/MIXER COMPONENTS

TYPE98E
ELBOW65°
ANGLE

NOTE: These tips are to be only hand tightened to the welding torch handles. Over tightening will damage the "O-Rings".

UM730
MIXERUSE WITH
WH730
HANDLEUM330
MIXERUSE WITH
WH330
HANDLE



TIPS BRAZING/HEATING

A-STYLE

OXYACETYLENE

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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37

APPLICATION

PRE-HEATING
STRAIGHTENING

INDUSTRY TERM: ROSEBUD

HEATING TIPS: COMPLETE with Tip End

TYPE37-5	TYPE37TE-5	N/A	3/8"-20(M, F)	15	10	25
TYPE37-7	TYPE37TE-7	N/A	3/8"-20(M, F)	25	10	45
TYPE37-8	TYPE37TE-8	N/A	3/8"-20(M, F)	25	10	45
TYPE37-10	TYPE37TE-10	N/A	3/8"-20(M, F)	40	15	100

WH370

Tip Ends for Type37



37 Tip End

TIP TYPE

COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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A.L.C. STYLE 73

APPLICATION

PRE-HEATING
STRAIGHTENING

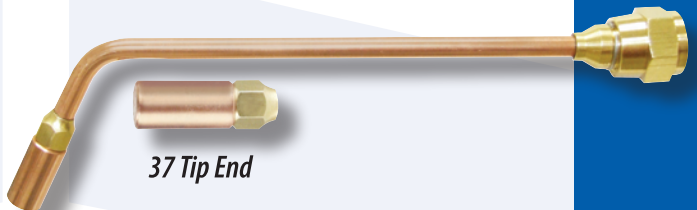
INDUSTRY TERM: ROSEBUD

HEATING TIPS: COMPLETE with Tip End

TYPE73-5	TYPE37TE-5	N/A	3/8"-20(M, F)	15	10	25
TYPE73-7	TYPE37TE-7	N/A	3/8"-20(M, F)	25	10	45
TYPE73-8	TYPE37TE-8	N/A	3/8"-20(M, F)	25	10	45
TYPE73-10	TYPE37TE-10	N/A	3/8"-20(M, F)	40	15	100

WH730

Tip Ends for Type73



37 Tip End

TIP TYPE

COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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A.L.C. STYLE 33

APPLICATION

PRE-HEATING
STRAIGHTENING

INDUSTRY TERM: ROSEBUD

HEATING TIPS: COMPLETE with Tip End

TYPE33-5	TYPE37TE-5	N/A	3/8"-20(M, F)	15	10	25
TYPE33-7	TYPE37TE-7	N/A	3/8"-20(M, F)	25	10	45
TYPE33-8	TYPE37TE-8	N/A	3/8"-20(M, F)	25	10	45
TYPE33-10	TYPE37TE-10	N/A	3/8"-20(M, F)	40	15	100

WH330

Tip Ends for Type33



37 Tip End

ELBOW/MIXER COMPONENTS



OXYACETYLENE

TIP TYPE	COMPLETE ASSEMBLY PART#	MIXER ONLY	ELBOW TO MIXER THREAD SPEC	OXYGEN (PSIG)	ACETYLENE FUEL GAS (PSIG)	ACETYLENE FUEL GAS (SCFH)	USE WITH WELDING HANDLE#
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APPLICATION

911

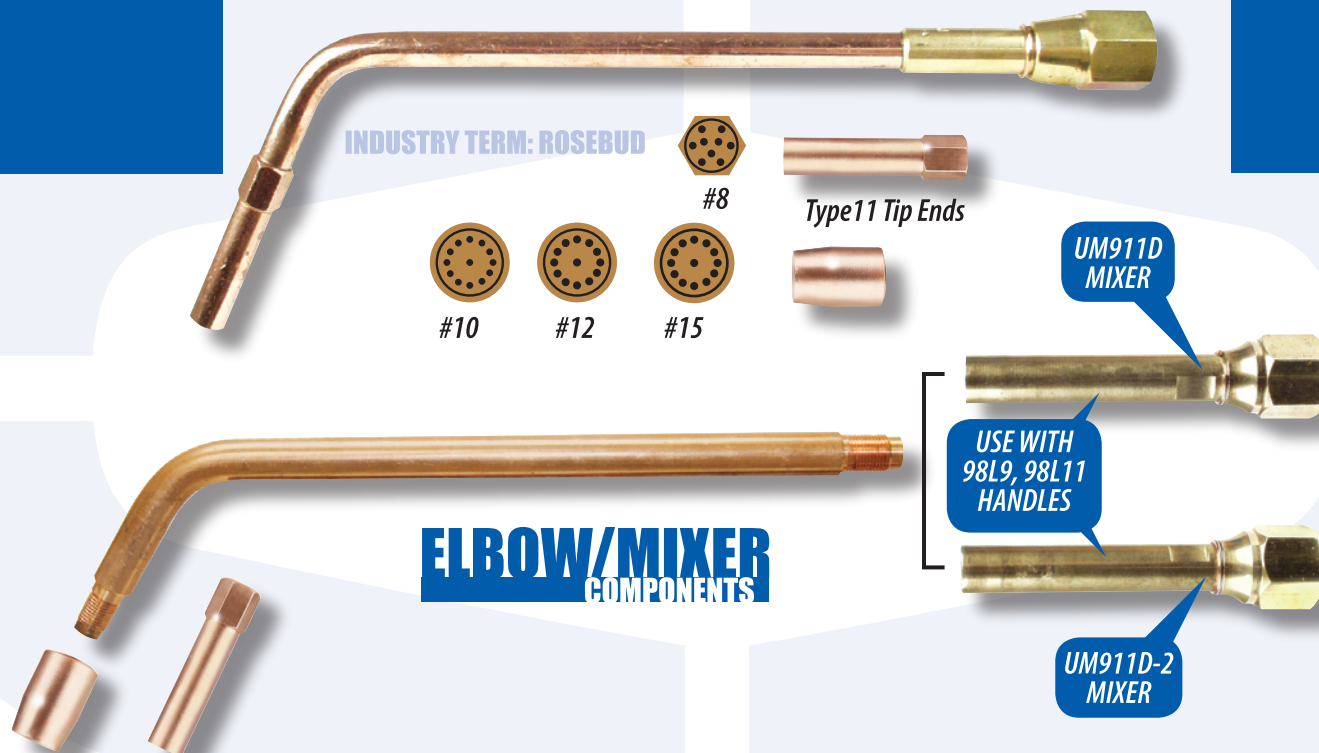
PRE-HEATING
STRAIGHTENING

HEATING TIPS: COMPLETE with Tip End

TYPE911-8	UM911D	7/16"-27(M)	25	10	45
TYPE911-10	UM911D-2	1/2"-27(M)	40	15	100
TYPE911-12	UM911D-2	1/2"-27(M)	60	15	150
TYPE911-15	UM911D-2	1/2"-27(M)	60	15	225

98L9
98L11

INDUSTRY TERM: ROSEBUD



ELBOW/MIXER COMPONENTS



TIPS BRAZING/HEATING

A-STYLE

OXY/FUEL GAS ONLY (Do not use with Acetylene)

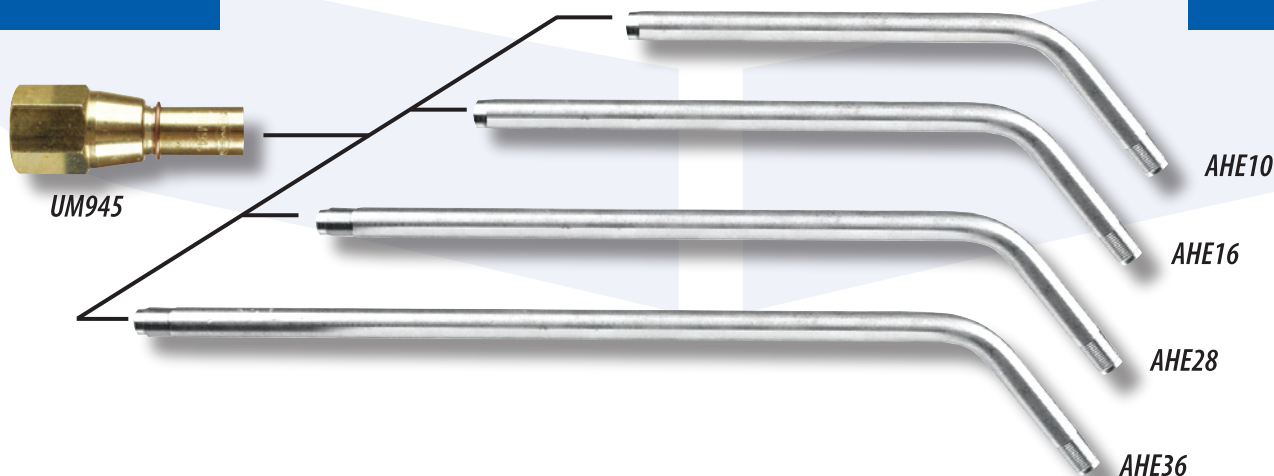
ELBOW TYPE	ELBOW ONLY PART #	LENGTH	ELBOW TIP END THREAD SPEC	MIXER ONLY PART #	MIXER END THREAD SPEC	USE WITH WELDING HANDLE #
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HEATING COMPONENTS

AHE

AHE10	10"	1/2"-25(M)	UM945	1/2"-27(F)
AHE16	16"	1/2"-25(M)	UM945	1/2"-27(F)
AHE28	28"	1/2"-25(M)	UM945	1/2"-27(F)
AHE36	36"	1/2"-25(M)	UM945	1/2"-27(F)

98L9
98L11



TIP END TYPE	TIP END PART #	TIP END THREAD SPEC	OXYGEN (PSIG)	DO NOT USE WITH ACETYLENE	FLOW (SCFH)	PROPANE (PSIG)	FLOW (SCFH)	HEAT OUTPUT (BTU/HR)
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HEATING TIPS (Fuel Gas only)

2290

2290-1H	1/2"-25(F)	10-25	160-320	4-12	40-80
2290-2H	1/2"-25(F)	15-45	220-520	7-22	55-130
2290-3H	1/2"-25(F)	25-70	340-920	8-25	85-230
2290-4H*	1/2"-25(F)	50-110	640-1300	10-30	160-325
2290-5H*	1/2"-25(F)	60-135	720-1600	14-40	180-400

100,000-200,000
140,000-330,000
215,000-580,000
400,000-820,000
450,000-1,000,000

NOTE:

On continuous duty withdrawal, manifolding of cylinders may be required.

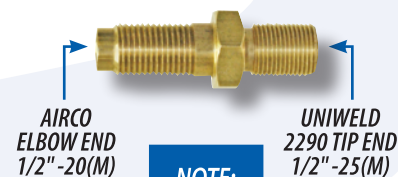
NOTE:

*Use 3/8" hose for maximum flow and BTU output.

2290-1H 2290-2H 2290-3H 2290-4H 2290-5H



PART# 745A01 Adaptor
for using Uniweld series 2290 heating tips with an Airco elbow.



NOTE:

To calculate heat output for propylene, use 2400 BTU/cu. ft. X Flow CFH

SINGLE-STAGE REGULATOR

FEATURES

UniWeld single stage regulators are widely used for general purpose gas control applications where nominal delivery pressure changes due to decreasing cylinder pressure does not significantly affect operations. Single stage regulators have greater flow capacity than two stage models.

LOCK-IN DELRIN INSERT
BUSHING, FOR SMOOTH
ADJUSTMENT AND
TROUBLE FREE SERVICE

SINGLE STAGE OXYGEN REGULATOR MODEL RV8010

FORGED
BRASS
BONNET
AND BODY

FLEXIBLE STAINLESS STEEL
DIAPHRAGM WITH O-RING
SEAL FOR LONG TERM
RELIABILITY

PISTON-TYPE RESEATING
PRESSURE RELIEF DEVICE
FOR LOW PRESSURE
GAUGE PROTECTION

REMOVABLE BACK
PLUG FOR EASY
SEAT REPAIR

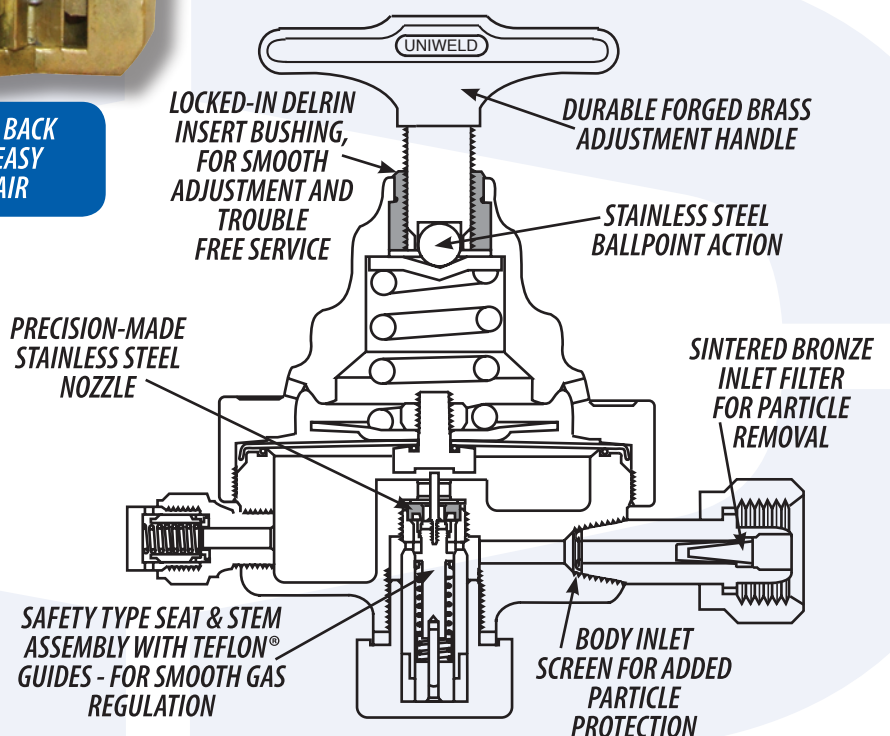
NOTE:

UniWeld regulator flow charts are calculated by using free air at 70°F with the regulator outlet full open with no restrictions.

For maximum flow when converting to other gases, multiply by the correct conversion factor. (See chart on page 73).

EXAMPLE:

Maximum flow free air (RV8010 Oxygen regulator)	8000SCFH
Correction factor Oxygen	X .95
Actual flow Oxygen	7600SCFH





REGULATORS

**TWO
STAGE**

TWO STAGE REGULATOR FEATURES

TWO STAGE OXYGEN REGULATOR MODEL RVT8010

UniWeld two stage regulators are used where steady delivery pressure is required over a range of decreasing cylinder inlet pressures. Delivery pressures will remain constant until inlet pressure is nearly depleted.

**FORGED
BRASS
BONNET**

**FORGED
BRASS
BODY**

**LOCKED-IN DELRIN
INSERT BUSHING
FOR SMOOTH
ADJUSTMENT**

**PRESET FIRST STAGE PROVIDES
REGULATED PRESSURE TO THE ADJUSTABLE
SECOND STAGE THAT PROVIDES
STEADY DELIVERY PRESSURES FOR
SERVICE APPLICATIONS REQUIRING
THIS TYPE OF PERFORMANCE**

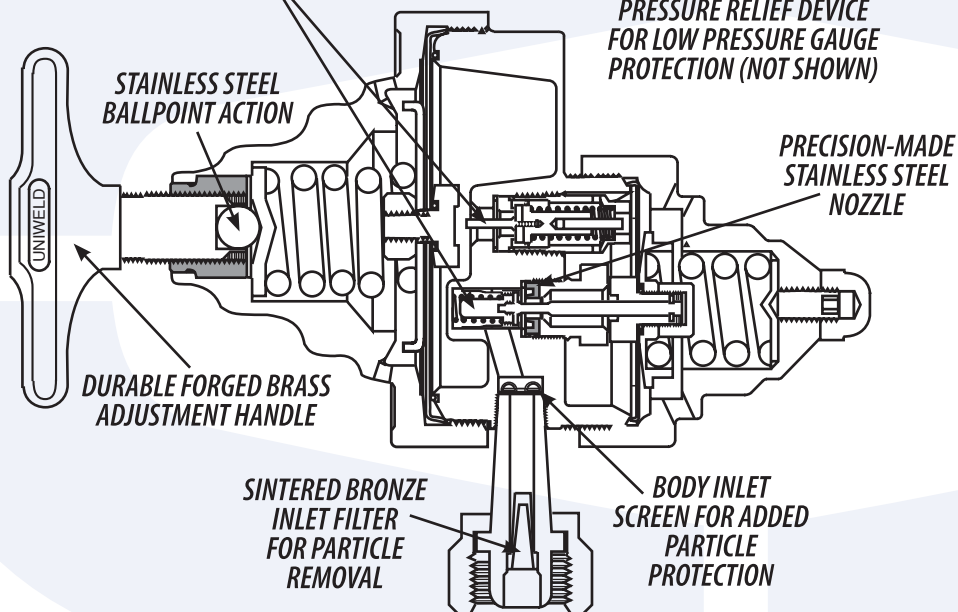
**SAFETY TYPE SEAT & STEM
ASSEMBLY WITH TEFLON®
GUIDES - FOR SMOOTH GAS
REGULATION**

**FLEXIBLE STAINLESS STEEL
DIAPHRAGMS WITH
2ND STAGE O-RING AND
1ST STAGE TEFLON SEALS FOR
LONG TERM RELIABILITY**

**PISTON-TYPE RESEATING
PRESSURE RELIEF DEVICE
FOR LOW PRESSURE GAUGE
PROTECTION (NOT SHOWN)**

GAS CONVERSION CHART

ACETYLENE	1.05
ARGON	.85
CARBON DIOXIDE	.81
COMPRESSED AIR	1.00
HELIUM	2.69
HYDROGEN	3.79
MAPP	.82
METHANE1	1.34
NATURAL GAS	1.28
NITROGEN	1.02
OXYGEN	.95
PROPANE	.80
PROPYLENE	.82



**SINGLE
STAGE**

REGULATORS RV80 SERIES



RV80 SERIES HEAVY DUTY



RV8010

- Forged brass body and bonnet
- Easy-to-read single scale 2-1/2" gauges
- 3-1/4" stainless steel diaphragm
- Heavy duty mechanical stem type seat and nozzle assembly with removable back plug for ease of seat service
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RV8011

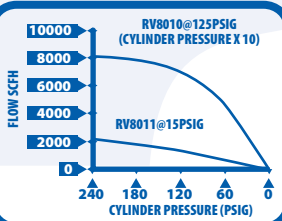


**MAXIMUM INLET
3000 PSIG**

RV80 SERIES DIMENSIONS

Depth:	6-1/2"
Width:	7"
Height:	6-1/2"
Weight:	6 lbs.

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.



Maximum Flow = 8000 SCFH
Free Air @ 70° F
No Flow Restrictions

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RV8010 10010	RV8010-3 10011	RV8011 10012	RV8011-1 10013	RV8011-CND 10014
CGA INLET	OXYGEN 540	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	10-250	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI
PART# UPC#	RV8012 10015	RV8013 10016	RV8014 10017	RV8015 10018	RV8015A-1 10019
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	10-300
REPLACEMENT 2-1/2" GAUGES	G25; 60 PSI G21; 400 PSI	G24; 200 PSI G23; 3000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI
PART# UPC#	RV8016 10020	RV8017 10021	RV8018 10076	RV8018A-1 10077	RV8018-2 10078
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	10-300	5-125
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PS	G21; 400 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)



RVT80 SERIES REGULATORS

**TWO
STAGE**

RVT80 SERIES HEAVY DUTY



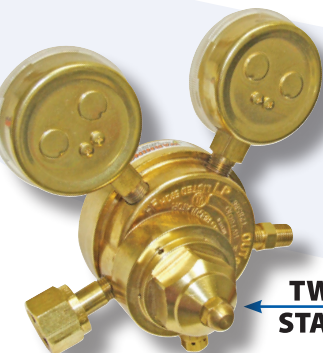
- Forged brass body and bonnet
- Easy-to-read single scale 2-1/2" gauges
- 2-1/8" stainless steel diaphragm 1st stage
- 3-1/4" stainless steel diaphragm 2nd stage
- Heavy duty mechanical stem type seat and nozzle assembly
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



**MAXIMUM INLET
3000 PSIG**

**TWO
STAGE**

RVT8010



PART# UPC#	RVT8010 10100	RVT8010-3 10101	RVT8011 10102	RVT8011-1 10103	RVT8011-CND 10104
CGA INLET	OXYGEN 540	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	10-250	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI

PART# UPC#	RVT8012 10105	RVT8013 10106	RVT8014 10107	RVT8015 10108	RVT8015A-1 10109
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	10-300
REPLACEMENT 2-1/2" GAUGES	G25; 60 PSI G21; 400 PSI	G24; 200 PSI G23; 3000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI

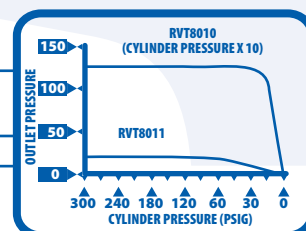
PART# UPC#	RVT8016 10110	RVT8017 10111	RVT8018 10126	RVT8018A-1 10127	RVT8018-2 10128
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	10-300	5-125
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

RVT80 SERIES DIMENSIONS

Depth: 6"
Width: 8-1/2"
Height: 8-1/2"
Weight: 7 lbs.

*Two Stage
Regulators have little
pressure rise with
cylinder pressure
decrease.*



**Maximum Flow = 3000 SCFH
Free Air @ 70° F
No Flow Restrictions**

**NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.**

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS RUH83 SERIES



RUH83 SERIES MEDIUM/HEAVY DUTY

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2-1/2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Heavy duty mechanical stem type seat and nozzle assembly
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RUH8310



RUH8311

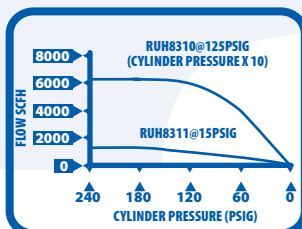


**MAXIMUM INLET
3000 PSIG**

RUH83 SERIES DIMENSIONS

Depth:	5-1/2"
Width:	7-1/4"
Height:	6"
Weight:	3 lbs.

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.



Maximum Flow = 6300 SCFH
Free Air @ 70° F

No Flow Restrictions

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RUH8310 11700	RUH8311 11701	RUH8311-1 11702	RUH8311-2 11703	RUH8311-CND 11705
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 520	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI
PART# UPC#	RUH8312 11706	RUH8313 11707	RUH8314 11708	RUH8315 11709	RUH8315A-1 11710
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G25S; 60 PSI G21S; 400 PSI	G24S; 200 PSI G23S; 3000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI
PART# UPC#	RUH8316 11711	RUH8317 11712	RUH8318 11713	RUH8318A-1 11714	RUH8318-2 11715
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PS	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI



SERIES RHT83 REGULATORS

**TWO
STAGE**

RHT83 SERIES MEDIUM/HEAVY DUTY

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm 1st stage
- 2" tri-layered reinforced neoprene diaphragm 2nd stage
- Heavy duty mechanical stem type seat & nozzle assembly
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



**MAXIMUM INLET
3000 PSIG**

**TWO
STAGE**



RHT8310



PART# UPC#	RHT8310 11800	RHT8311 11801	RHT8311-1 11802	RHT8311-CND 11803
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI

PART# UPC#	RHT8312 11804	RHT8313 11805	RHT8314 11806	RHT8315 11807	RHT8315A-1 11808
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G25S; 60 PSI G21S; 400 PSI	G24S; 200 PSI G23S; 3000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI

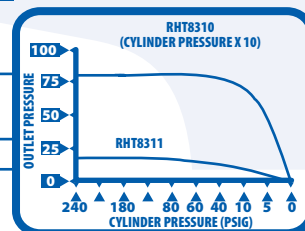
PART# UPC#	RHT8316 11809	RHT8317 11810	RHT8318 11811	RHT8318A-1 11812	RHT8318-2 11813
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

RHT83 SERIES DIMENSIONS

Depth:	8-1/4"
Width:	7-1/4"
Height:	6"
Weight:	4 lbs.

*Two Stage
Regulators have little
pressure rise with
cylinder pressure
decrease.*



**Maximum Flow = 1500 SCFH
Free Air @ 70° F
No Flow Restrictions**

**NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.**

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS RUH82 SERIES



RUH8210

RUH82 SERIES MEDIUM/HEAVY DUTY



- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Heavy duty mechanical stem type seat and nozzle assembly
- Delrin bushing for smooth flow adjustment
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RUH8211

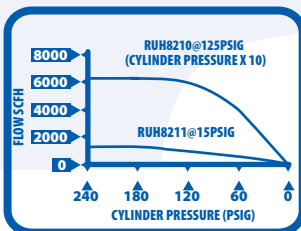


**MAXIMUM INLET
3000 PSIG**

RUH82 SERIES DIMENSIONS

Depth: 5-1/2"
Width: 7"
Height: 5-1/2"
Weight: 3 lbs.

*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*



**Maximum Flow = 6300 SCFH
Free Air @ 70° F**

No Flow Restrictions

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RUH8210 11000	RUH8211 11001	RUH8211-1 11002	RUH8211-2 11003	RUH8211-CND 11005
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 520	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15	2-15
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI
PART# UPC#	RUH8212 11006	RUH8213 11007	RUH8214 11008	RUH8215 11009	RUH8215A-1 11010
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G5S; 60 PSI G1S; 400 PSI	G4S; 200 PSI G3S; 3000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI
PART# UPC#	RUH8216 11011	RUH8217 11012	RUH8218 11024	RUH8218A-1 11025	RUH8218-2 11028
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PS	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI



SERIES RHT80 REGULATORS

**TWO
STAGE**

RHT80 SERIES MEDIUM/HEAVY DUTY

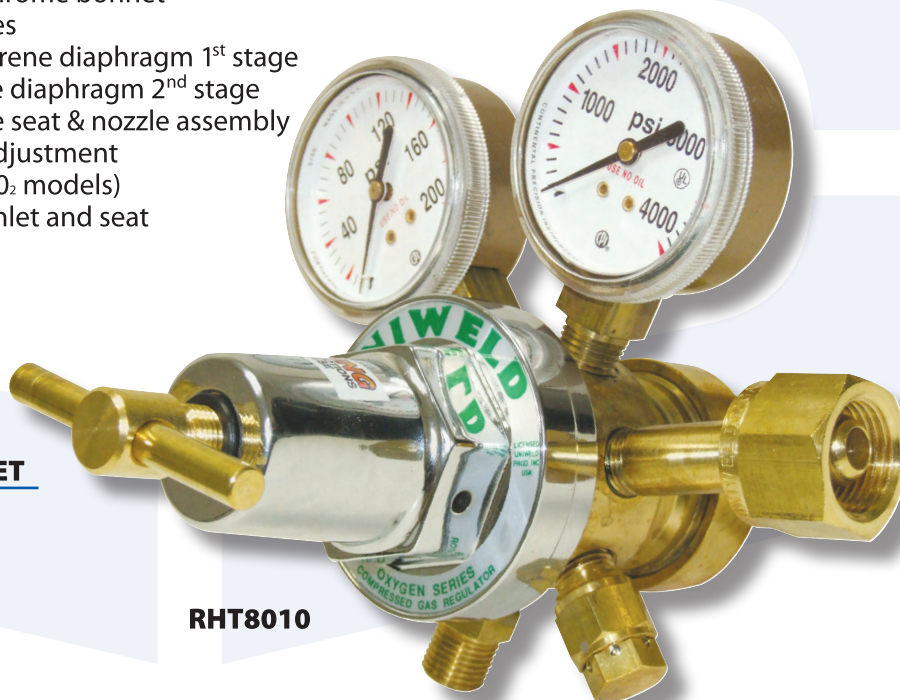


- Machined brass body; Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm 1st stage
- 2" tri-layered reinforced neoprene diaphragm 2nd stage
- Heavy duty mechanical stem type seat & nozzle assembly
- Delrin bushing for smooth flow adjustment
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



**MAXIMUM INLET
3000 PSIG**

**TWO
STAGE**



RHT8010

PART# UPC#	RHT8010 11100	RHT8011 11101	RHT8011-1 11102	RHT8011-CND 11003
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI

PART# UPC#	RHT8012 11104	RHT8013 11105	RHT8014 11106	RHT8015 11107	RHT8015A-1 11108
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G5S; 60 PSI G1S; 400 PSI	G4S; 200 PSI G3S; 3000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI

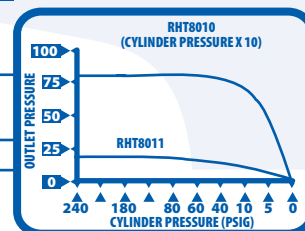
PART# UPC#	RHT8016 11109	RHT8017 11110	RHT8018 11111	RHT8018A-1 11112	RHT8018-2 11113
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

RHT80 SERIES DIMENSIONS

Depth:	8-1/4"
Width:	7"
Height:	5-1/4"
Weight:	4 lbs.

*Two Stage
Regulators have little
pressure rise with
cylinder pressure
decrease.*



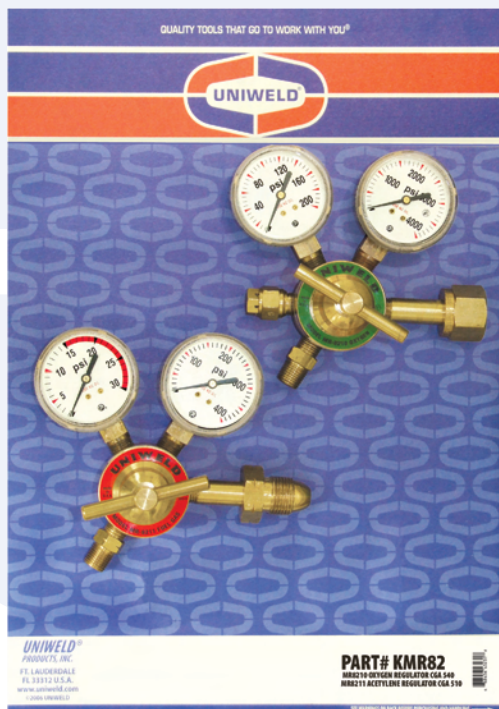
**Maximum Flow = 1500 SCFH
Free Air @ 70° F
No Flow Restrictions**

**NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.**

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS MR SERIES



KMR82

MR82 SERIES MEDIUM DUTY

- Machined brass body & bonnet
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- T-handle for smooth flow adjustment
- Porous bronze inlet filter
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



MR8210

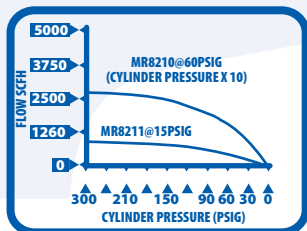
MR SERIES DIMENSIONS

Depth: 4-1/2"
Width: 7"
Height: 5-1/2"
Weight: 2-1/2 lbs.



**MAXIMUM INLET
3000 PSIG**

*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*



PART# UPC#	MR8210 12200	MR8211 12201	MR8211-1 12202
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-80	2-15	2-15
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI

PART# UPC#	MR8211-2 12203	MR8212 12208	KMR82 12260
CGA INLET	ACETYLENE 520	LPG & ALL FUEL GAS 510	MR8210 OXYGEN REGULATOR, MR8211 ACETYLENE REGULATOR SET CARDED ON DISPLAY BOARD
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	
DEL. PSIG	2-15	2-40	
REPLACEMENT 2" GAUGES	G2S; 30 PSI (RL) G1S; 400 PSI	G5S; 60 PSI G1S; 400 PSI	

**Maximum Flow = 2600 SCFH
Free Air @ 70° F
No Flow Restrictions**

NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)



MASTAR® RS REGULATORS

**SINGLE
STAGE**

MASTAR RS SERIES LIGHT DUTY

- Forged brass body
- Machined brass bonnet
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Rear inlet cylinder connection
- Porous metal inlet filter
- T-handle for smooth adjustment
- Blow off disc type pressure relief for low pressure gauge protection only
- Protective rubber gauge boots



RSO



RSMC2B



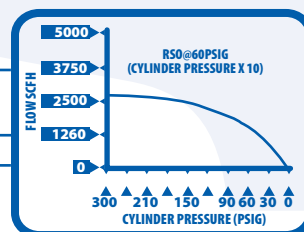
**MAXIMUM INLET
3000 PSIG**

MASTAR® RS SERIES DIMENSIONS

Depth:	6"
Width:	3-3/4"
Height:	4-1/4"
Weight:	2-1/2 lbs.

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.

PART# UPC#	RSO 12100	RSOB 12101	12106 12106	12107 12107
CGA INLET	OXYGEN 540	OXYGEN 540	OXYGEN 540	ACETYLENE 520
OUTLET CONNECTION	"A" (RH) 3/8"-24(M)	"B" (RH) 9/16"-18(M)	"A" (RH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)
DEL. PSIG	2-60	2-60	2-60	2-15
REPLACEMENT 1-1/2" GAUGES	G49; 100 PSI G56; 4000 PSI	G49; 100 PSI G56; 4000 PSI	G85-1; 100 PSI/Kg G82-1; 4000 PSI/Kg	G79-1; 30 PSI/Kg (RL) G73-1; 400 PSI/Kg



PART# UPC#	RSMC2 12102	RSMC2B 12103	RSB2 12104	RSB2B 12105
CGA INLET	ACETYLENE 200	ACETYLENE 200	ACETYLENE 520	ACETYLENE 520
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	2-15	2-15	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)

**Maximum Flow = 2600 SCFH
Free Air @ 70° F
No Flow Restrictions**

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE**

REGULATORS R SERIES



**R SERIES
LIGHT DUTY**



RO100



RO

- Brass body
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Porous metal inlet filter
- Rear inlet cylinder connection
- Brass "T" handle or forged brass adjusting screw with locking retaining ring
- Blow off disc type pressure relief (on RO) for low pressure gauge protection only
- Protective rubber gauge boots



MADE IN U.S.A.

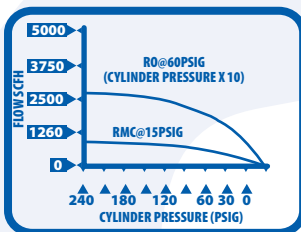


RMC



**MAXIMUM INLET
3000 PSIG**

**R SERIES
PAGES 82-83**



**Maximum Flow = 2600 SCFH
Free Air @ 70° F
No Flow Restrictions**
NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RO 12000	ROB 12001	RO100 14100	RW 12002	RWB 12003
CGA INLET	OXYGEN 540	OXYGEN 540	OXYGEN 540	ACETYLENE 510	ACETYLENE 510
OUTLET CONNECTION	"A" (RH) 3/8"-24(M)	"B" (RH) 9/16"-18(M)	"A" (RH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	2-60	2-60	2-60	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G49; 100 PSI G56; 4000 PSI	G49; 100 PSI G56; 4000 PSI	G49; 100 PSI G56; 4000 PSI	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)

PART# UPC#	RCA 12004	RCAB 12005	RMC 12006	RMC2 12007	RMC100 14102
CGA INLET	ACETYLENE 300	ACETYLENE 300	ACETYLENE 200	ACETYLENE 200	ACETYLENE 200
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)
DEL. PSIG	2-15	2-15	2-15	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)



R SERIES REGULATORS

**SINGLE
STAGE**

R SERIES
LIGHT DUTY

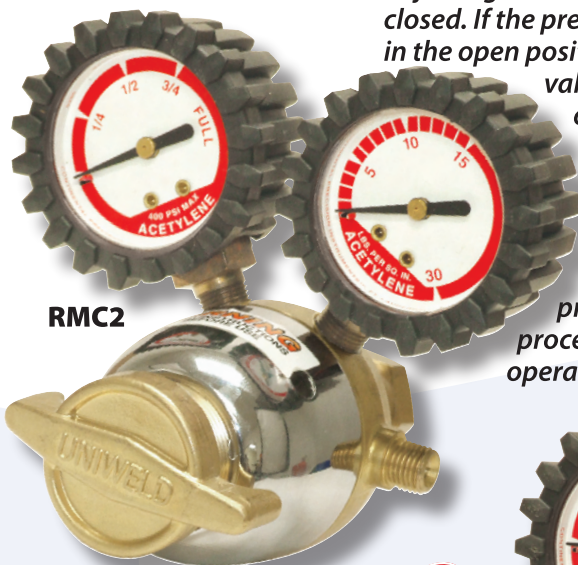
**TECH
TIP**

When not in use, the regulator should be properly shut off by turning the pressure adjusting screw counterclockwise until closed. If the pressure adjusting screw is in the open position when the cylinder valve is opened, the surge of high pressure may damage the regulator. This commonly occurs with the use of oxygen due to high cylinder pressure. To insure proper protection procedures, follow Uniweld's operating instructions.

RLP



RMC2



MADE IN U.S.A.

RB



LISTED

**MAXIMUM INLET
3000 PSIG**

- Forged brass body
- Polished chrome bonnet
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Porous metal inlet filter
- Rear inlet cylinder connection
- Forged brass adjusting screw with locking retaining ring
- Blow off disc type pressure relief for low pressure gauge protection only
- Protective rubber gauge boots

**R SERIES
PAGES 82-83**

**R SERIES
DIMENSIONS**

Depth:	4-1/2"
Width:	4-1/4"
Height:	4"*
Weight:	2 lbs.

*R0100: 3-1/2"
*RMC100: 3-1/2"

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.

PART# UPC#	RMC40 12008	RMCW 12009	RB 12010	RB2 12011	RB40 12012
CGA INLET	ACETYLENE 200	ACETYLENE 200	ACETYLENE 520	ACETYLENE 520	ACETYLENE 520
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)
DEL. PSIG	2-15	2-15	2-15	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)

PART# UPC#	RBW 12013	RLP 12014	RLPB 12015	R15NI 12018
CGA INLET	ACETYLENE 520	LPG & ALL FUEL GASES 510	LPG & ALL FUEL GASES 510	NITROGEN 580
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"B" (LH) 3/8"-24(M)	"B" (RH) 9/16"-18(M)
DEL. PSIG	2-15	2-40	2-40	2-60
REPLACEMENT 1-1/2" GAUGES	G19; Contents (400 PSI MAX.)	G83; 60 PSI	G83; 60 PSI	G85; 100 PSI G82; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

83

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)

**SINGLE
STAGE**

REGULATORS

**RUH SERIES
"CONTRACTOR"**



**RUH SERIES
SPECIAL PURPOSE**

CO₂ AND NITROGEN REGULATORS FOR PNEUMATIC TOOLS

**PART#
RUH15PTS
NITROGEN
REGULATOR**

**EASY TO
REMOVE
INLET
STEMS**



- Use "air" tools in the field with standard CO₂ and Nitrogen cylinders
- 1/4" NPT female outlet for air fittings
- Easy-to-read single scale 2" gauges
- T-handle for easy flow adjustment up to 125 PSI max.
- Durable seat assembly for long life
- Pressure relief safety device
- Weights only 3 pounds



**PART#
RUH8213PT
CO₂ REGULATOR**



**MAXIMUM INLET
3000 PSIG**

Have you checked your seats lately?



RUV21G

The improved, efficient RUV21G high pressure [green] seat used in all RUH Series high pressure regulators provides long, trouble-free service. It is also sold separately as a replacement item. Use for high pressure service [Hydrogen, Oxygen, Nitrogen, Helium, Argon, CO₂ & Air]

PART# UPC#	RUH13PTS 11370	RUH15PTS 11380	RUH8213PT 11095	RUH8215PT 11092
CGA INLET	CARBON DIOXIDE 320	NITROGEN 580	CARBON DIOXIDE 320	NITROGEN 580
OUTLET CONNECTION	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)
DEL. PSIG	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI	G4S; 200 PSI	G4S; 200 PSI G3S; 3000 PSI	G4S; 200 PSI G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)



SERIES RHP REGULATORS

**SINGLE
STAGE**

RHP SERIES SPECIAL PURPOSE

- Piston actuated seat for durability
- Easy-to-read single scale 2" gauges
- Steel case construction with polycarbonate lens
- Protective rubber gauge boots
- Porous metal inlet filter
- Fine mesh filter screen between inlet and seat
- T-handle for ease of pressure adjustment
- For all of your testing and evaluating needs

RHP200

Also can be used for operating pneumatic tools such as nail guns and impact wrenches

RHP400 and RHP500

Purging and pressure testing regulators. Designed for the HVAC-R technician

RHP750 and RHP1500

For high pressure testing applications

RHP3000

For high pressure testing of cylinders & vessels



RHP400

**MAXIMUM INLET
3000 PSIG**

PART# UPC#	RHP200* 13500	RHP218* 13501	RHP400 13000	RHP418 13001
CGA INLET	NITROGEN 580	AIR 346**	NITROGEN 580	AIR 346
OUTLET CONNECTION	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)
DEL. PSIG	5-180	5-180	20-400	20-400
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G8S; 600 PSI G7S; 4000 PSI	G8S; 600 PSI G7S; 4000 PSI

RHP200; RHP400 DIMENSIONS

Depth:	4-1/4"
Width:	5-3/4"
Height:	5-1/4"
Weight:	2-1/2 lbs.

PART# UPC#	RHP500 13100	RHP518 13101	RHP750 13200	RHP758 13201
CGA INLET	NITROGEN 580	AIR 346	NITROGEN 580	AIR 346
OUTLET CONNECTION	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)
DEL. PSIG	20-500	20-500	50-700	50-700
REPLACEMENT 2" GAUGES	G8S; 600 PSI G7S; 4000 PSI	G8S; 600 PSI G7S; 4000 PSI	G34S; 1000 PSI G7S; 4000 PSI	G34S; 1000 PSI G7S; 4000 PSI

RHP500; RHP750 DIMENSIONS

Depth:	5-1/2"
Width:	6"
Height:	5-1/4"
Weight:	3-1/2 lbs.

PART# UPC#	RHP1500 13300	RHP1518 13301	RHP3000 13600	RHP3018 13601
CGA INLET	NITROGEN 580	AIR 346	NITROGEN 580	AIR 346
OUTLET CONNECTION	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)
DEL. PSIG	100-1500	100-1500	200-2500	200-2500
REPLACEMENT 2" GAUGES	G3S; 3000 PSI G7S; 4000 PSI	G3S; 3000 PSI G7S; 4000 PSI	G7S; 4000 PSI G44S; 6000 PSI	G7S; 4000 PSI G44S; 6000 PSI

**Adequate flow to operate most pneumatic equipment on the market today.*

***Also available with specialty inlet and a 6000 PSI contents gauge for inlet pressures in excess of 3000 PSI.*

For special needs such as 1/4" swage lock fittings, (panel mount, etc.), contact customer service for availability.

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE
DELIVERY
GAUGE
ONLY**

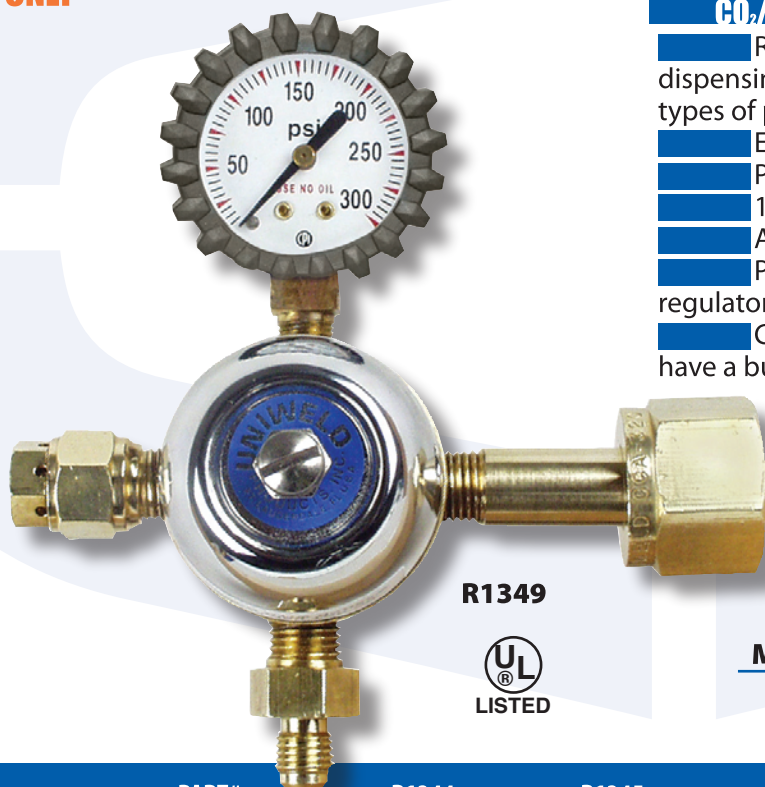
REGULATORS SPECIALTY



1300/1500/1800 SERIES CO₂/NITROGEN/AIR SPECIALTY REGULATORS

Regulators are designed for soft drink dispensing systems (NOT BEER) and many types of pressurizing applications

- Easy-to-read single scale 1-1/2" gauges
- Protective rubber gauge boot
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Adjustable pressure screw with locking nut
- Porous metal inlet filter on Nitrogen and air regulators, but not installed on CO₂ models
- CO₂ models with 1/4" SAE flare outlet have a built-in reverse flow check valve



R1349



MADE IN U.S.A.

**MAXIMUM INLET
3000 PSIG**

**1300; 1500;
1800 SERIES
DIMENSIONS**

Depth:	3"
Width:	5-1/4"
Height:	5-1/4"
Weight:	2 lbs.

PART# UPC#	R1344 12300	R1345 12301	R1346 12302	R1347 12303
CGA INLET	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI	G80; 30 PSI	G83; 60 PSI	G85; 100 PSI

PART# UPC#	R1348 12304	R1349 12305	R1544 12400	R1545 12401
CGA INLET	CO ₂ 320	CO ₂ 320	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	5-120	5-175	2-12	2-20
REPLACEMENT 1-1/2" GAUGES	G78; 200 PSI	G84; 300 PSI	G20; 15 PSI	G80; 30 PSI

PART# UPC#	R1546 12402	R1547 12403	R1548 12404	R1549 12405
CGA INLET	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G83; 60 PSI	G85; 100 PSI	G78; 200 PSI	G84; 300 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

86

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)



SPECIALTY REGULATORS

**SINGLE
STAGE
DELIVERY
CONTENTS
GAUGES**

1300/1500/1800 SERIES CO₂/NITROGEN/AIR SPECIALTY REGULATORS

Regulators are designed for soft drink dispensing systems (NOT BEER) and many types of pressurizing applications

Easy-to-read single scale 1-1/2" gauges

Protective rubber gauge boots

1-5/8" tri-layered reinforced neoprene diaphragm

Adjustable pressure screw with locking nut

Porous metal inlet filter on Nitrogen and air regulators, but not installed on CO₂ models

CO₂ models with 1/4" SAE flare outlet have a built-in reverse flow check valve

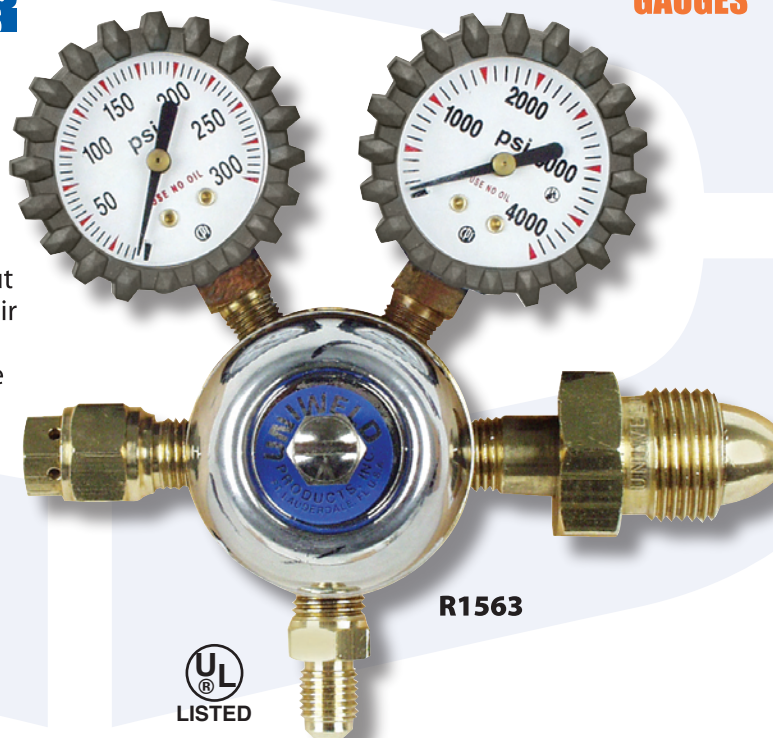
1300; 1500;
1800 SERIES
DIMENSIONS

Depth:	3"
Width:	5-1/4"
Height:	5-1/4"
Weight:	2 lbs.



MADE IN U.S.A.

**MAXIMUM INLET
3000 PSIG**



R1563



PART# UPC#	R1358 12306	R1359 12307	R1360 12308	R1361 12309	R1362 12310	R1363 12311
CGA INLET	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI G90; 3000 PSI	G80; 30 PSI G90; 3000 PSI	G83; 60 PSI G90; 3000 PSI	G85; 100 PSI G90; 3000 PSI	G78; 200 PSI G90; 3000 PSI	G84; 300 PSI G90; 3000 PSI
PART# UPC#	R1558 12406	R1559 12407	R1560 12408	R1561 12409	R1562 12410	R1563 12411
CGA INLET	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI G82; 4000 PSI	G80; 30 PSI G82; 4000 PSI	G83; 60 PSI G82; 4000 PSI	G85; 100 PSI G82; 4000 PSI	G78; 200 PSI G82; 4000 PSI	G84; 300 PSI G82; 4000 PSI
PART# UPC#	R1858 12700	R1859 12701	R1860 12702	R1861 12703	R1862 12704	R1863 12705
CGA INLET	AIR 346	AIR 346	AIR 346	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI G82; 4000 PSI	G80; 30 PSI G82; 4000 PSI	G83; 60 PSI G82; 4000 PSI	G85; 100 PSI G82; 4000 PSI	G78; 200 PSI G82; 4000 PSI	G84; 300 PSI G82; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

87

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)

**SINGLE
STAGE**

REGULATORS RUHS SERIES



RUHS SERIES STATION REGULATORS



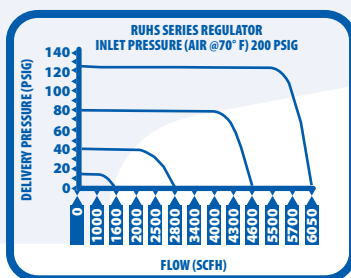
- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Delrin bushing for smooth flow adjustment
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only

WARNING!
DO NOT CONNECT A STATION
REGULATOR TO A CYLINDER!

RUHS SERIES DIMENSIONS

Depth:	5-1/2"
Width:	5"
Height:	6"
Weight:	3-1/2 lbs.

RUHS8210



*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*

**MAXIMUM INLET
200 PSIG**

*Maximum Flow = 6050 SCFH
Free Air @ 70° F*

No Flow Restrictions

*NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with a decreasing
cylinder pressure.*

*PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour*



RUHS8210

PART# UPC#	RUHS8210 11300	RUHS8211 11301	RUHS8212 11302	RUHS8213 11303	RUHS8214 11304	RUHS8215 11305
CGA INLET	OXYGEN CGA024 7/8"-14(RH) (F)	ACETYLENE CGA025 7/8"-14(LH) (F)	LPG & ALL FUEL GASES CGA025 7/8"-14(LH) (F)	CO ₂ CGA034 7/8"-14(RH) (M)	ARGON CGA034 7/8"-14(RH) (M)	NITROGEN CGA034 7/8"-14(RH) (M)
OUTLET CONNECTION	"B" (RH) 9/16"-18 (M)	"B" (LH) 9/16"-18 (M)	"B" (LH) 9/16"-18 (M)	RH (F) 5/8"-18	RH (F) 5/8"-18	RH (F) 5/8"-18
DEL. PSIG	5-125	2-15	2-40	5-125	5-125	5-125
REPLACEMENT 2" GAUGE	G4S; 200 PSI	G2S; 30 PSI (RL)	G5S; 60 PSI	G4S; 200 PSI	G4S; 200 PSI	G4S; 200 PSI



SERIES RUHL REGULATORS

**SINGLE
STAGE**

RUHL SERIES LINE REGULATORS



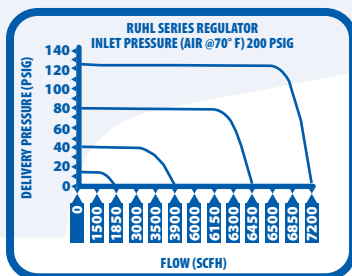
- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Delrin bushing for smooth flow adjustment
- Pressure relief device for low pressure gauge protection only

WARNING!
DO NOT CONNECT A STATION
REGULATOR TO A CYLINDER!

RUHL SERIES DIMENSIONS

Depth:	5-1/2"
Width:	3-1/2"
Height:	6"
Weight:	3-1/2 lbs.

RUHL8210



Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.

**MAXIMUM INLET
350 PSIG**

Maximum Flow = 7200 SCFH
Free Air @ 70° F
No Flow Restrictions

NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with a decreasing
cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour



RUHL8210

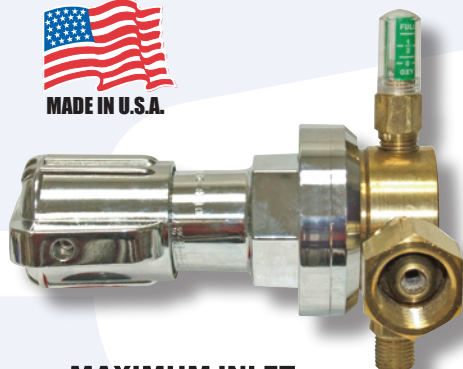
1/4" NPT (F)
INLET PORT

PART# UPC#	RUHL8210 11200	RUHL8211 11201	RUHL8212 11202	RUHL8213 11203	RUHL8214 11204	RUHL8215 11205
CGA INLET	OXYGEN 1/4" NPT (F)	ACETYLENE 1/4" NPT (F)	LP & ALL FUEL GASES 1/4" NPT (F)	CO. 1/4" NPT (F)	ARGON 1/4" NPT (F)	NITROGEN 1/4" NPT (F)
OUTLET CONNECTION	"B" RH 9/16"-18(M)	"B" LH 9/16"-18(M)	"B" LH 9/16"-18(M)	RH (F) 5/8"-18	RH (F) 5/8"-18	RH (F) 5/8"-18
DEL. PSIG	5-125	2-15	2-40	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI	G2S; 30 PSI (RL)	G5S; 60PSI	G4S; 200 PSI	G4S; 200 PSI	G4S; 200 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE**

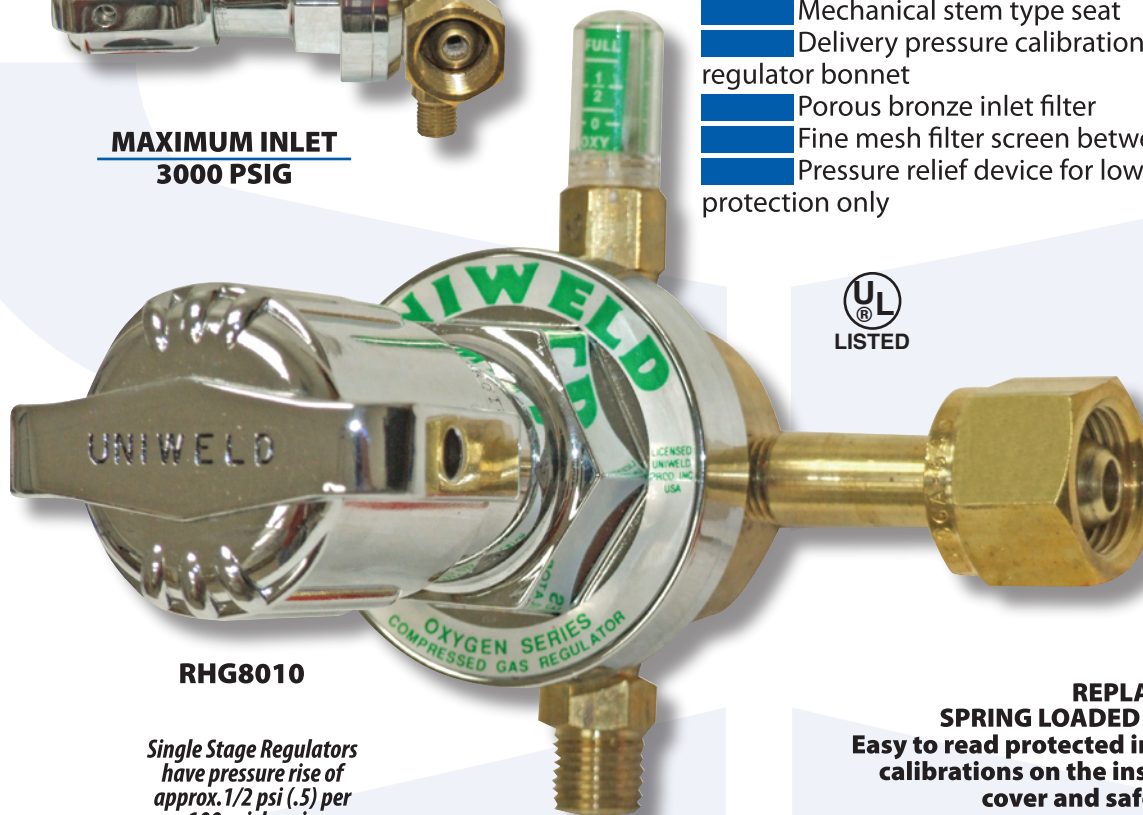
REGULATORS GAUGELESS



**MAXIMUM INLET
3000 PSIG**

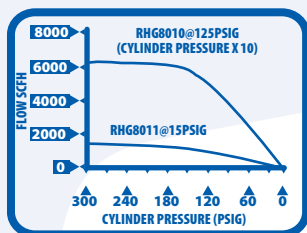
RHG GAUGELESS SERIES SPECIAL PURPOSE

- Machined brass body & Polished chrome bonnet
- Color coded spring loaded cylinder gauge indicator
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Delivery pressure calibrations inscribed on regulator bonnet
- Porous bronze inlet filter
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RHG8010

*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*



*Maximum Flow = 6300 SCFH
Free Air @ 70°F
No Flow Restrictions*

*NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.*

*PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour*



RHG SERIES DIMENSIONS

Depth:	6-1/4"
Width:	5-1/2"
Height:	4-1/2"
Weight:	4 lbs.

REPLACEMENT SPRING LOADED CONTENTS GAUGES

**Easy to read protected inlet pressure indicator with
calibrations on the inside of the polycarbonate
cover and safety color coding.**

PART#	DESCRIPTION
G59	PROPANE (BLUE)
G60	OXYGEN (GREEN)
G61	ACETYLENE (RED)



G59



G60



G61

PART# UPC#	RHG8010 11400	RHG8011 11401	RHG8011-1 11402	RHG8011-CND 11403	RHG8012 11404
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410	LP & ALL FUEL GASES 510
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-100	2-15	2-15	2-15	2-40
REPLACEMENT SPRING LOADED CONTENTS GAUGES	G60	G61	G61	G61	G59

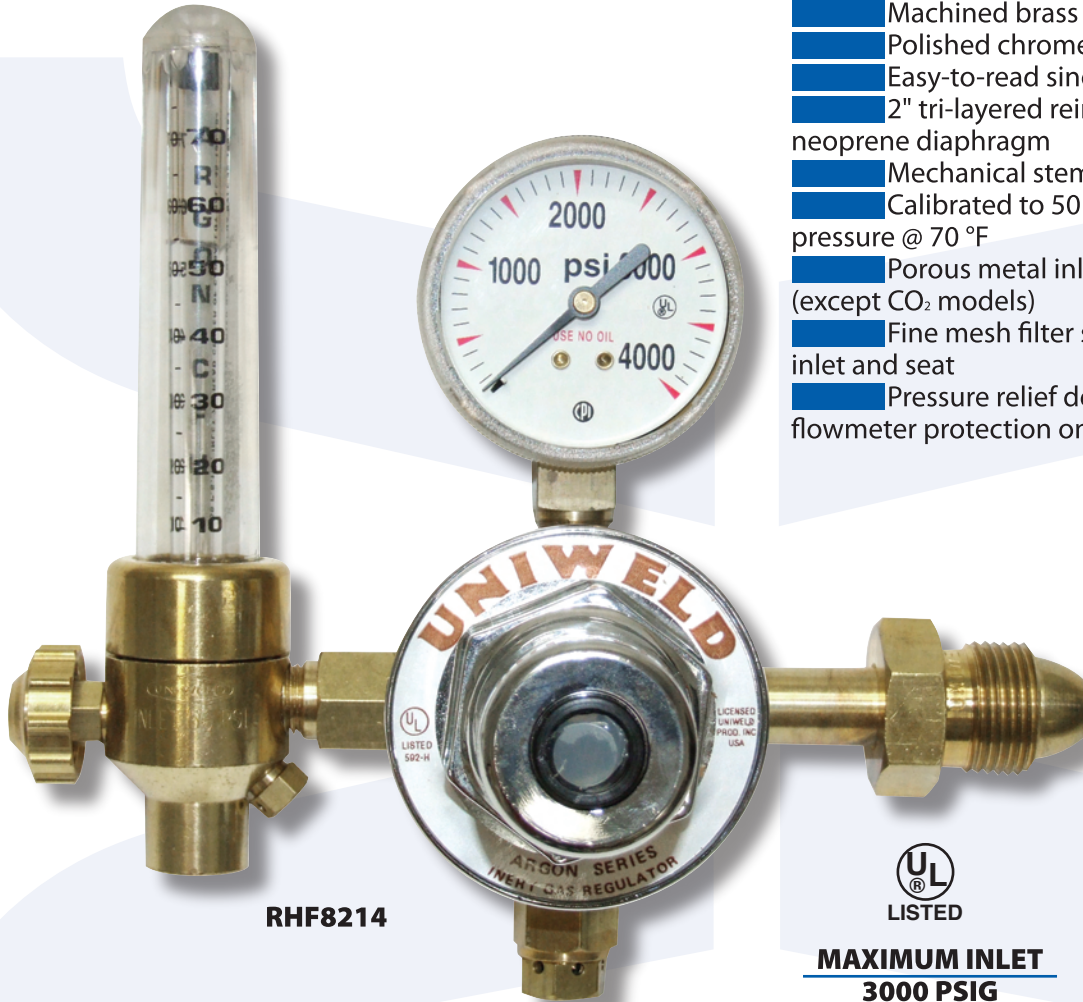


RHF FLOWMETER REGULATOR

**SINGLE
STAGE**

RHF SERIES FLOWMETER REGULATORS

The UniWeld flowmeter regulator is perfect for Mig and Tig welding. Flowmeters are more accurate than flowgauge regulators. The pressure gauge shows how much gas is left in the tank and goes from 0 to 4000 PSI. The output flow is adjustable in cubic feet per hour and is indicated by the ball which moves up and down in the flow tube, so this flowmeter will handle Mig and Tig welding for both steel and aluminum.



RHF8214

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Calibrated to 50 PSI outlet pressure @ 70 °F
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure flowmeter protection only



RHF SERIES DIMENSIONS

Depth:	4"
Width:	7-1/2"
Height:	7"
Weight:	4 lbs.



**MAXIMUM INLET
3000 PSIG**

SINGLE GAS CALIBRATION

TWO GAS CALIBRATION

PART# UPC#	RHF8213 11600	RHF8214 11601	RHF1413 11616	RHF8214-6 11602	RHF8214-8 11603	RHF8214-10 11604
CGA INLET	CO ₂ 320	ARGON 580	ARGON/CO ₂ 580	ARGON/HELIUM 580	ARGON/HELIUM 580	ARGON/HELIUM 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-80	10-70	10-70	2-18/5-50	5-40/10-110	10-70/25-205
REPLACEMENTS						
FLOWMETER TUBE COVER	UAF22	UAF22	UAF22	UAF22	UAF22	UAF22
TUBE	UCF18	UAF18	UACF18	UAHF18	UAHF18-1	UAHF18-2
2" GAUGES	G3S; 3000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE**

FLOWMETER REGULATOR

CEF



CEF SERIES FLOWMETER REGULATORS

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Calibrated to 50 PSI outlet pressure @ 70°F
- Porous metal inlet filter (except CO₂ models)
- Pressure relief device for low pressure flowmeter protection only

CEF1413



**MAXIMUM INLET
3000 PSIG**

CEF SERIES DIMENSIONS

Depth: 2-1/4"
Width: 7-1/2"
Height: 7"
Weight: 3-1/2 lbs.



KF14-8

SINGLE GAS CALIBRATION

TWO GAS CALIBRATION

PART# UPC#	CEF13 12500	CEF14 12501	CEF1413 12505	CEF14-6 12502	CEF14-8 12503	CEF14-10 12504
CGA INLET	CO ₂ 320	ARGON 580	ARGON/CO ₂ 580	ARGON/HELIUM 580	ARGON/HELIUM 580	ARGON/HELIUM 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-80	10-70	10-70	2-18/5-50	5-40/10-110	10-70/25-205
REPLACEMENTS						
FLOWMETER TUBE COVER	UAF22	UAF22	UAF22	UAF22	UAF22	UAF22
TUBE	UCF18	UAF18	UACF18	UAHF18	UAHF18-1	UAHF18-2
2" GAUGE	G3S; 3000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

COMPLETE MIG KIT	PART# UPC#	KF13 89510	KF14 89511	KF1413 89512	KF14-6 89513	KF14-8 89514	KF14-10 89515
FLOWMETER	CEF13	CEF13	CEF14	CEF1413	CEF14-6	CEF14-8	CEF14-10
GAS CALIBRATION	CO ₂	CO ₂	ARGON	ARGON/CO ₂	ARGON HELIUM	ARGON HELIUM	ARGON HELIUM
HOSE	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS



FR FLOWMETER REGULATOR

**SINGLE
STAGE**



KFR13

FR SERIES FLOWMETER REGULATORS

- Combination regulator & flowmeter in one unit
- Machined brass body
- Piston activated
- Calibrated to 50 PSI outlet pressure @ 70°F
- Easy-to-read single scale 1-1/2" gauge
- Pressure relief device for low pressure flowmeter protection only



FR13

FR SERIES DIMENSIONS

Depth:	3-1/4"
Width:	5-1/4"
Height:	6-1/4"
Weight:	1-1/2 lbs.



**MAXIMUM INLET
3000 PSIG**

SINGLE GAS CALIBRATION

TWO GAS CALIBRATION

PART# UPC#	FR13 12800	FR14 12801	FR1413 12802	FR14-6 12803	FR14-8 12804	FR14-10 12805
CGA INLET	CO ₂ 320	ARGON 580	ARGON/CO ₂ 580	ARGON/HELIUM 580	ARGON/HELIUM 580	ARGON/HELIUM 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-80	10-70	10-70	2-18/5-50	5-40/10-110	10-70/25-205
REPLACEMENTS						
FLOWMETER TUBE COVER	UAF22	UAF22	UAF22	UAF22	UAF22	UAF22
TUBE	UCF18	UAF18	UACF18	UAHF18	UAHF18-1	UAHF18-2
1-1/2" GAUGE	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

COMPLETE MIG KIT	PART# UPC#	KFR13 89520	KFR14 89521	KFR1413 89522	KFR14-6 89523	KFR14-8 89524	KFR14-10 89525
FLOWMETER	FR13	FR13	FR14	FR1413	FR14-6	FR14-8	FR14-10
GAS CALIBRATION	CO ₂	CO ₂	ARGON	ARGON/CO ₂	ARGON HELIUM	ARGON HELIUM	ARGON HELIUM
HOSE	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS

**SINGLE
STAGE**

FLOWGAUGE REGULATORS



CEFG, RHFG & MRFG SERIES FLOWGAUGE REGULATORS



MRFG14



**MAXIMUM INLET
3000 PSIG**

MRFG13 and MRFG14

- Easy-to-read 2" gauges
- 1-5/8" tri-layered neoprene diaphragm
- Unique dampened seat assembly
- Reseating pressure relief device for low pressure flowgauge protection

- Machined brass body
- Mechanical stem type seat and porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and body (except CO₂ models)
- Pressure relief device for low pressure flowgauge protection only

CEFG Medium duty • 1-1/2" gauges
Forged brass pressure adjusting screw with locking retaining ring • 1-5/8" tri-layered neoprene diaphragm

RHFG Heavy duty single scale 2" gauges • Delrin bushing for smooth flow adjustment • 2" tri-layered neoprene diaphragm



RHFG13-50



CEFG13

SINGLE & TWO GAS CALIBRATION

PART# UPC#	CEFG13 12600	CEFG14 12603	RHFG13-50 11500	RHFG14-50 11501	MRFG13 12607	MRFG14 12608
CGA INLET	CO ₂ 320	ARGON & AR/CO ₂ MIX 580	CO ₂ 320	ARGON & AR/CO ₂ MIX 580	CO ₂ 320	ARGON & AR/CO ₂ MIX 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-40	10-40	10-50	10-55	10-40	10-55
OUTLET ORIFICE	.026	.026	.029	.032	.026	.032
REPLACEMENTS						
1-1/2" GAUGES	G87; 10-40 SCFH G90; 3000 PSI	G51; 10-40 SCFH G82; 4000 PSI				
2" GAUGES			G86S; 10-50 SCFH G3S; 3000 PSI	G76S; 10-55 SCFH G7S; 4000 PSI	G86S-4*; 10-50 SCFH G7S-4*; 4000 PSI (* 1/8 NPT)	G76S-4*; 10-55 SCFH G7S-4*; 4000 PSI (* 1/8 NPT)

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

COMPLETE MIG KIT	PART# UPC#	KFG13 89530	KFG14 89531
FLOWMETER		CEFG13	CEFG14
GAS CALIBRATION		CO ₂	ARGON & AR/CO ₂ MIX
HOSE		90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS

CEFG SERIES DIMENSIONS	
Depth:	3"
Width:	6"
Height:	5-1/4"
Weight:	2 lbs.

RHFG SERIES DIMENSIONS	
Depth:	5-1/2"
Width:	5-1/2"
Height:	7"
Weight:	4 lbs.

MRFG SERIES DIMENSIONS	
Depth:	3-3/4"
Width:	7"
Height:	5-5/8"
Weight:	2 lbs.



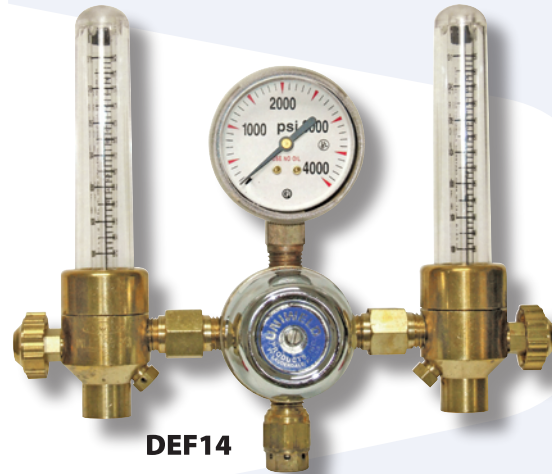
DUAL FLOWMETER FLOWGAUGE REGULATORS

**SINGLE
STAGE**

DEF & DEG SERIES

Designed for production and maintenance applications where stainless steel, aluminum pipe or closed vessels are TIG or MIG welded where shielding gas and purging gas are simultaneously required. These regulators are used in sequential welding operations requiring different settings for one or more operations without constantly resetting the flowmeter.

- Machined brass body
- Easy-to-read single scale gauge(s)
- Porous metal inlet filter
- Pressure relief device for low pressure flowgauge/flowmeter protection only



DEF14

DEF 14 DUAL FLOWMETER

- Polished chrome bonnet
- Flowmeters calibrated to 50 PSI inlet pressure at 70° F
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat

DEG 14 DUAL FLOWGAUGE

- Machined brass bonnet
- Calibrated to specific orifice
- Piston actuated



DEG14

TWO GAS CALIBRATION



PART# UPC#	DEF14 12550	DEG14 12650
CGA INLET	ARGON/HELIUM 580	ARGON & AR/CO ₂ MIX 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-70/25-205	10-40
REPLACEMENTS		
FLOWMETER TUBE COVER	UAF22	-
TUBE	UAHF18-2	-
2" GAUGE	G7S; 4000 PSI	-
1-1/2" GAUGE		G51; 0-40 SCFH G82; 4000 PSI

**MAXIMUM INLET
3000 PSIG**

DEF14 SERIES DIMENSIONS

Depth:	4-3/4"
Width:	7-3/4"
Height:	7"
Weight:	4 lbs.

DEG14 SERIES DIMENSIONS

Depth:	5"
Width:	6-1/2"
Height:	4-1/2"
Weight:	2 lbs.

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

FLOWMETERS



DIMENSIONS

Depth:	1-1/2"
Width:	2"
Height:	6"
Weight:	1 lb.

SINGLE & TWO GAS CALIBRATION

- Used with regulator or pipe line distribution installation
- Calibrated at 50 PSI inlet pressure @ 70° F
- Stainless steel needle valve for accurate delivery flow
- Clear impact resistant polycarbonate cover and flow tube for maximum safety and service
- Bold easy-to-read flow tube scales
- Flow tubes and balls are easily changed for various single or two gas readings
- Precision machined solid brass body
- Built-in cushion at top of flowmeter tube absorbs ball impact

SINGLE GAS CALIBRATION

PART#	UCF13	14010	14011	14012
UPC#	14001	14010	14011	14012
INLET CONNECTION	CO ₂ 1/4" NPT(F)	CO ₂ 1/4" NPT(M)	CO ₂ 1/4" NPT(F)	CO ₂ 5/8"-18 RH(F)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	1/4" NPT(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	10-80	10-80	10-80	10-80

PART#	UAF14	14013	14014	14015
UPC#	14000	14013	14014	14015
INLET CONNECTION	ARGON 1/4" NPT(F)	ARGON 1/4" NPT(M)	ARGON 1/4" NPT(F)	ARGON 5/8"-18 RH(F)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	1/4" NPT(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	10-70	10-70	10-70	10-70

TWO GAS CALIBRATION

PART#	UAF1413	14017	UAHF14-6	14018
UPC#	14016	14017	14002	14018
INLET CONNECTION	CO ₂ /ARGON 1/4" NPT(F)	CO ₂ /ARGON 5/8"-18 RH(F)	ARGON/HELIUM 1/4" NPT(F)	ARGON/HELIUM 5/8"-18 RH(M)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	10-80 10-70	10-80 10-70	2-18 5-50	2-18 5-50

PART#	UAHF14-8	14019	UAHF14-10	14020
UPC#	14003	14019	14004	14020
INLET CONNECTION	ARGON/HELIUM 1/4" NPT(F)	ARGON/HELIUM 5/8"-18 RH(M)	ARGON/HELIUM 1/4" NPT(F)	ARGON/HELIUM 5/8"-18 RH(M)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	5-40 10-110	5-40 10-110	10-70 25-205	10-70 25-205



UCF13



UAF14



ADAPTORS

WELDING
ACCESSORIES

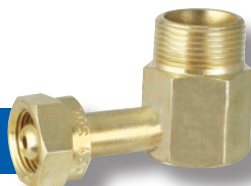
CYLINDER TO REGULATOR ADAPTORS

PART# F41
UPC# 43314

CGA200 "MC"
to CGA520 "B"



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

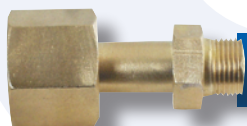


PART# F25
UPC# 43305
CGA200 "MC" 90°
to CGA510 "POL"



PART# F38
UPC# 43313

CGA300 "CA" to
CGA200 "MC"



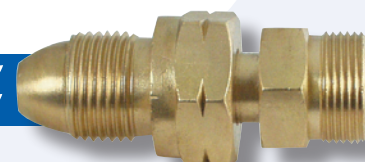
PART# F10X
UPC# 43300

CGA580 to
CGA540



PART# F32
UPC# 43308

CGA510 "POL"
to CGA520 "B"



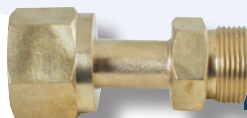
PART# F28
UPC# 43306

CGA300 "CA"
to CGA510 "POL"



PART# F35
UPC# 43311

CGA300 "CA" to
CGA520 "B"



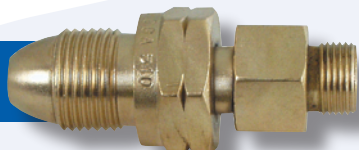
PART# F24X
UPC# 43304

CGA510 "POL"
to CGA300 "CA"



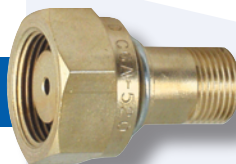
PART# F37
UPC# 43312

CGA510 "POL"
to CGA200 "MC"



PART# F31
UPC# 43307

CGA520 "B" to
CGA200 "MC"



PART# F50
UPC# 43315

CGA520 "B" 90°
to CGA520 "B"



PART# F60
UPC# 43316

ALC CGA410
Fitting to
CGA510 "POL"



PART# F33
UPC# 43309

CGA520 "B" 90°
to CGA510 "POL"



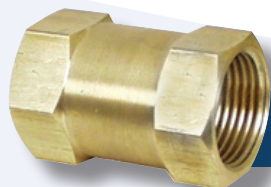
PART# F22X
UPC# 43303

CGA540 to
CGA580



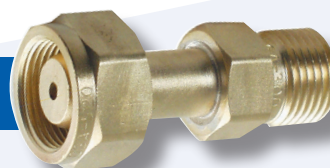
PART# F36
UPC# 43319

CGA580 to
"CO." CGA320



PART# F61X
UPC# 43317

CGA520 "B" to
CGA300 "CA"



REPLACEMENT GAUGES

Oxygen cleaned welding gauges (cleaned for oxy per A.N.S.I. B40.1) suitable for use with oxygen, other fuel gases and medical equipment, (that is non corrosive to brass or bronze) and where stem mounting is desired. Quality brass and steel case construction with one piece polycarbonate lens. Recommended for use with compressed gas regulators.

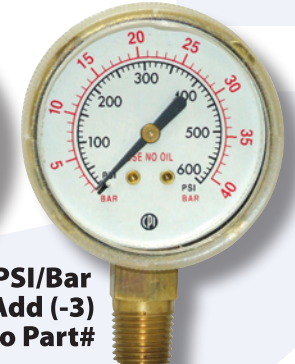
Most 1-1/2" welding gauges are fitted with a protective rubber gauge boot.



G15



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 B.M.*	GOLD STEEL CASE C.B.M.*	BRASS CASE B.M.*	BRASS CASE C.B.M.* WITH WEEP HOLE	GOLD STEEL CASE B.M.*	BRASS CASE B.M.*	GOLD STEEL CASE B.M.*
15 PSI (180° scale)	-	G20	-	-	-	-	-	-
30 PSI (Red Line 15-30)	G15 (RED)	G79	-	G2	-	G2S	G22	G22S
30 PSI	-	G80	-	G74	-	G74S	G75	G75S
60 PSI	-	G83	-	G5	G105	G5S	G25	G25S
100 PSI	G49 (GREEN)	G85	G185	G6	G106	G6S	G26	G26S
200 PSI	-	G78	G178	G4	G104	G4S	G24	G24S
300 PSI	-	G84	G184	G33	-	G33S	-	-
400 PSI	-	G73	-	G1	G101	G1S	G21	G21S
1/4, 1/2, 3/4 CONTENTS	G19 (RED)	-	-	-	-	-	-	-
600 PSI	-	-	-	G8	G108	G8S	G28	G28S
1000 PSI	-	-	-	G34	-	G34S	-	-
3000 PSI, (U) LISTED	-	G90	-	G3	-	G3S	G23	G23S
4000 PSI, (U) LISTED	G56 (GREEN)	G82	G182	G7	-	G7S	G27	G27S
6000 PSI, (U) LISTED	-	-	-	G44	-	G44S	G46	G46S

*B.M. = Bottom Mount - C.B.M. = Center Back Mount. ** For 1/8" NPT add (-4) to Part Number. For display cards add (-D) to Part Number

REPLACEMENT LENSES

DISPLAY CARD

PART#	1-1/2" DESCRIPTION	PART#	2" DESCRIPTION	PART#	2-1/2" DESCRIPTION
PL15	POSI-LOCK	PL2	POSI-LOCK	PL25	POSI-LOCK

BULK

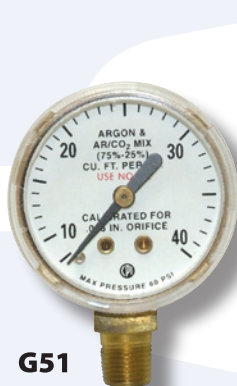
05-1-52	FLAT PLASTIC	05-2-52-4	FLAT PLASTIC	05-3-52-8	POSI-LOCK
05-1-52-7	POSI-LOCK	05-2-52-7	POSI-LOCK		
05-1-63	FRICTION RING	05-2-63-2	FRICTION RING		



REPLACEMENT GAUGES

FLOW GAUGES & MEDICAL GAUGES

WELDING
ACCESSORIES



G51



G77



G55



G62



G63

1-1/2" FLOWGAUGES (1/8" NPT) GOLD STEEL CASE

G51 40 SCFH, Argon, AR/CO₂ Mix (75%-25%)
Calibrated for 71 Dr./0.026" Orifice (60 PSI Max.)

G87 10-40 SCFH, CO₂ Calibrated for 71 Dr./0.026"
Orifice (60 PSI Max.)

2" FLOWGAUGES (1/4" NPT) BRASS OR GOLD STEEL CASE

G76 10-55 SCFH, Argon, AR/CO₂ Mix (75%-25%)
Calibrated for 67 Dr./0.032" Orifice (60 PSI Max.)
G76S Same as above [Gold Steel Case]

G77 20-100 SCFH, CO₂ Calibrated for
67 Dr./0.032" Orifice (100 PSI Max.)
G77S Same as above [Gold Steel Case]

G86 10-50 SCFH, CO₂ Calibrated for
69 Dr./0.029" Orifice (60 PSI Max.)
G86S Same as above [Gold Steel Case]

1-1/2" MEDICAL GAUGES (1/8" NPT) CHROME PLATED CASE

G55 15 LPM, Plated Socket, Oxy Calibrated for
73 Dr./0.024" Orifice (60 PSI Max.)

G54 4000 PSI, Plated Socket, Bottom Mount

G154 4000 PSI, Brass Socket, Center Back Mount

2" MEDICAL GAUGES (1/4" NPT) CHROME PLATED CASE

G62 15 LPM Plated Socket, Oxy Calibrated for
77 Dr./0.018" Orifice (120 PSI Max.)

G63 4000 PSI, Plated Socket

(Medical Gauge Dials-green background with white numbers and letters)

High Pressure CO₂ gauge
with red zone for gas order alert.
Use CO₂ or other compressed gases.
Available with side mount or bottom
mount; right or left hand threads.
NOT for OXYGEN service.



GS243



2" HIGH PRESSURE CO₂ GAUGES BLACK STEEL CASE

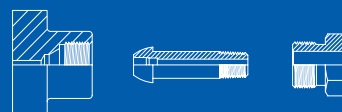
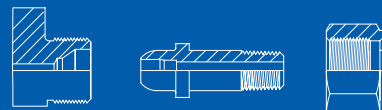
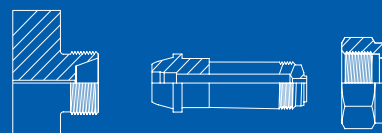
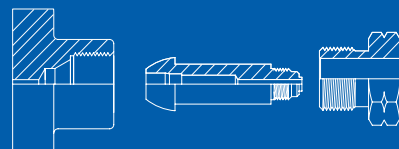
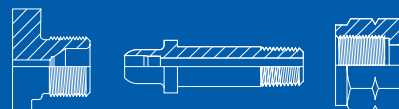
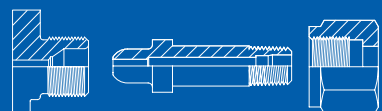
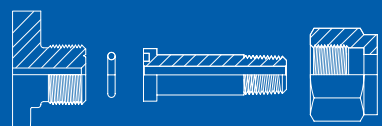
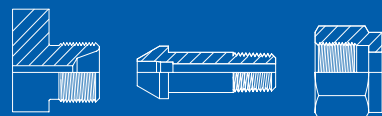
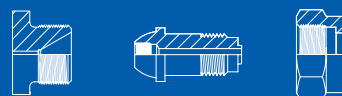
GS241 Bottom Mount (RHT) 3000 PSI
GS242 Bottom Mount (LHT) 3000 PSI
GS243 Side Mount (RHT) 3000 PSI
GS244 Side Mount (LHT) 3000 PSI



GS241

CGA CYLINDER VALVE CONNECTIONS

VALVE NIPPLE NUT



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

"MC"

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 Regulators Approx. 10 cu. ft. cylinders only

"CA"

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, 1-15/16" Long (RUH)

Used on: R, RUH, RHG, RHT, RVT, MR Regulators

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 (CO₂) Regulators
Use "O-Ring X09R only for 8312 Nipple, Not Gasket

PART#	Description	AIR	CGA346
8959	Nut		.830" - 14 NGO-R.H.
1805	Nipple		1/4" - 18 NPT, 2-1/2" Long

Used on: RV, RVT, RHT, RUH, RHP, R1800 Regulators

PART#	Description	HYDROGEN	CGA350
8859	Nut		.830" - 14 NGO-L.H.
8812-2	Nipple		1/4" - 18 NPT, 2" Long

Used on: RUH, RV, RVT, RHT Regulators

"POL"

PART#	Description	ACETYLENE AND FUEL GAS	CGA510
8159-2	Nut		.880" - 14 NGO-L.H.
1205	Nipple		7/16" - 20 UNF 2-5/32" 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
CGA410 (ALC) (Canada only) on request

"B"

PART#	Description	ACETYLENE	CGA520
B10	Nut		.899" - 18 NGO-R.H.
B51	Nipple		7/16" - 20 UNF 1-15/64" Long (R)
RU12-2	Nipple		1/4" - 18 NPT, 2-3/8" Long (MR, RUH)

Used on: RB, RUH, MR, R Regulators; Cylinder 35-75 cu. ft. only

PART#	Description	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, R, RHG, RHT, RV, RVT, RUH Regulators; For Oxygen Service Only

*1005 1/4" - 18NPT(R)

PART#	UPC#	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



CGA VALVE CONNECTIONS

WELDING
ACCESSORIES

B.S. 341 CYLINDER VALVE CONNECTIONS

		Gas	Connections	Cylinder to Regulator
CONN. No. 2 and No. 4	Part#	Description	ACETYLENE HYDROGEN PROPANE	VALVE
	BSP59	Nut		NIPPLE
	BSP12	Nipple		NUT
	BSP12-2	Nipple		
CONN. No. 3	Part#	Description	AIR, ARGON HELIUM NITROGEN OXYGEN	VALVE
	BSP59-2	Nut		NIPPLE
	BSP12	Nipple		NUT
	BSP12-2	Nipple		
CONN. No. 8	Part#	Description	CARBON DIOXIDE	VALVE
	E1359	Nut		NIPPLE
	E1305	Nipple		NUT
	199X500	Gasket		

CYLINDER/TANKS OXYGEN/ACETYLENE/NITROGEN



"N20", "N40", "N60", "R40" AND "R"
CYLINDERS MEET SPECIFICATION:
DOT3AA2015
"B" AND "MC" CYLINDERS MEET SPECIFICATION:
DOTS
DISPOSABLE PROPANE AND MAPP® CYLINDERS
*CASES OF 12 ONLY ARE SHIPPED FULL AND MEET
DOT 39NRC SPECIFICATIONS



GAS SERVICE	PART#	UPC#	APROX. CAPACITY Cu. Ft.	O.D. INCHES	HEIGHT W/VALVE	WEIGHT LBS.	CGA CONNECTION
ACETYLENE	MC	40032	10	4	15	8	200
	B	40033	40	6	23.35	23.1	520
OXYGEN	R	40034	20	5.25	18.5	12.7	540
	R40	40035	40	7	22.5	24.3	540
NITROGEN	N20	40036	20	5.25	18.5	12.7	580
	N40	40037	40	7	22.5	24.3	580
	N60	40041	60	8	23	26	580

LIQUID CAPACITY

MAPP®	MDC*	40030	16 oz.	3	11	2	600
PROPANE	PDC*	40031	14.1 oz.	3	11	1.75	600

MAPP® is a registered trademark of BOC Group, Inc.

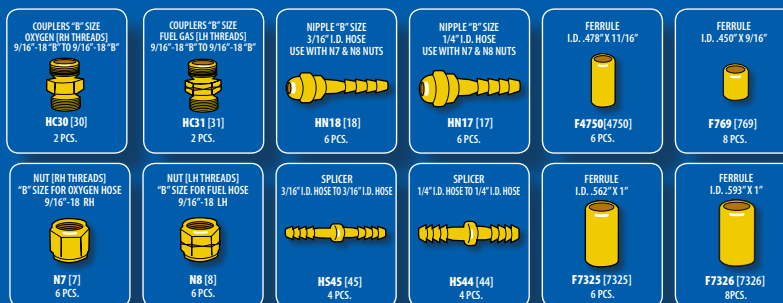
HOSE REPAIR KITS

- Quick and easy on-the-spot hose refitting and repair
- Splice damaged hoses with splicers and ferrules
- Repair hoses with nipple fittings and nuts
- 3 complete kits to choose from
- "A" and "B" size hose fittings
- Couplers, nipples, nuts, splicers and ferrules for 1/4" and 3/16" I.D. hose
- Compartmented plastic box
- Heavy duty crimper



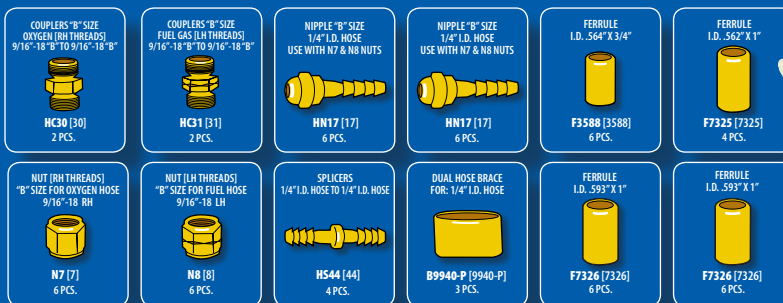
**CRIMPER
PART# CT-V**

**PART# HRK-24
UPC# 43380**
"B" SIZE HOSE FITTINGS
FOR 1/4" AND 3/16" I.D. HOSE
KIT INCLUDES:
COUPLERS, NIPPLES, NUTS,
SPLICERS, FERRULES AND
HEAVY DUTY CRIMPER



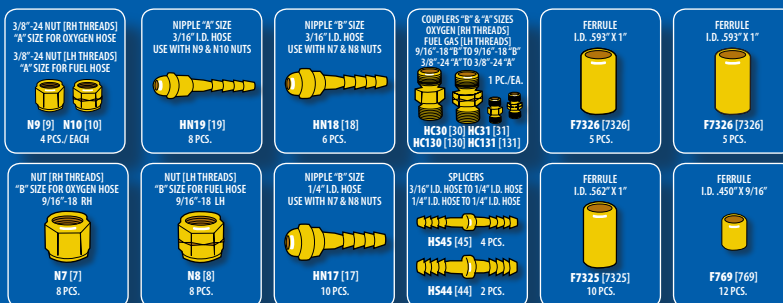
INDIVIDUAL FITTINGS AVAILABLE IN A BULK PACKAGE

**PART# HRK-26
UPC# 43381**
"B" SIZE HOSE FITTINGS
FOR 1/4" I.D. HOSE
KIT INCLUDES:
COUPLERS, NIPPLES, NUTS,
SPLICERS, FERRULES AND
HEAVY DUTY CRIMPER



EXTRA CRIMPERS FOR 3/16" I.D. HOSE AVAILABLE IN A BULK PACKAGE

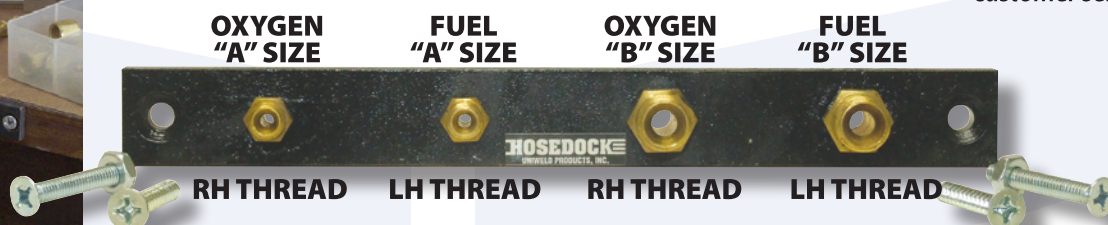
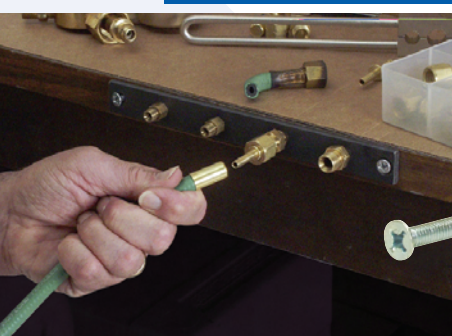
**PART# HRK-5
UPC# 43382**
"A" & "B" SIZE HOSE
FOR 1/4" AND 3/16" I.D.
HOSE KIT INCLUDES:
COUPLERS, NIPPLES, NUTS,
SPLICERS, FERRULES AND
HEAVY DUTY CRIMPER



HOSEDOCK®

[PART# HD1] Easily fix damaged hoses in minutes. Easy to mount on counter, wall or truck. It's like having an extra pair of hands when you need them the most. *Mounting hardware included.*

** [See Welding price list or contact customer service]*





HOSES HOSE FITTINGS

WELDING ACCESSORIES

HOSES SINGLE/TWIN

Make the right connection with Uniweld's 3/16" and 1/4" hoses

Color coded twin hose sets:
Green/Oxygen; Red/Fuel.

"A", "B", and "AB" hose fittings

Twin hose available by the reel and special lengths. [Contact customer service]



SHLP



OXY LP GAS 3/16" GRADE "T" TWIN HOSES

OXY LP GAS 1/4" GRADE "T" TWIN HOSES

H32AT 43560	H32BT 43561	H32ABT 43562	HT41B 43529	HT43B 43523	HT44B 43524	HT100B 43528
12.5'	12.5'	12.5'	20'	25'	50'	100'
"A"	"B"	"AB"	"B"	"B"	"B"	"B"

OXYACETYLENE 3/16" TWIN HOSES (GRADE R)

1/4" TWIN HOSES (GRADE R)

PART# UPC#	H32A 43510	H32B 43512	H32AB 43511	H33A 43513	H33B 43515	H33AB 43514	H34A 43516	H34B 53517	H43B 43520	H44B 43521	H100B 43522
HOSE LENGTH	12-1/2'	12-1/2'	12-1/2'	25'	25'	25'	50'	50'	25'	50'	100'
CONNECTION	"A"	"B"	"AB"	"A"	"B"	"AB"	"A"	"B"	"B"	"B"	"B"

SINGLE 3/16" SINGLE ACETYLENE HOSES (GRADE R)

3/16" LP GAS SINGLE HOSES

PART# UPC#	H11 43500	H11B 43501	H12 43502	H12B 43503	H13 43504	H13B 43505	HLP10 43530	HLP10B 43531	HLP11 43533	HLP11B 43534	HLP13 43537	HLP13B 43538	HLP14 43541	HLP14B 43542
HOSE LENGTH	6'	6'	12-1/2'	12-1/2'	25'	25'	3'	3'	6'	6'	25'	25'	12-1/2'	12-1/2'
CONNECTION	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"

HOSE FITTINGS

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

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

HOSE SPLICER (Push Type) PART# UPC#	Hose to Hose
HS53 43373	1/4" to 1/4"
HS54 43374	3/16" to 1/4"
HS55 43375	3/16" to 3/16"

BRASS HOSE CLAMPS PART# UPC#	Hose I.D.
HC01 43376	3/16"
HC02 43377	1/4"

"A" to "B" WELDING HANDLE ADAPTOR PART# UPC#	Handle to Hose
F29L 43322	"A" Conn LH "B" Hose Nut LH
F29R 43324	"A" Conn RH "B" Hose Nut RH

"A" to "B" OUTLET ADAPTOR PART# UPC#	Regulator To Hose
F27L 43320	"A" Conn LH "B" Hose Nut LH
F27R 43321	"A" Conn RH "B" Hose Nut RH

"A" SIZE "Y" OUTLET ADAPTOR

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

"Y" CONNECTORS W/VALVES

PART# UPC#	Inlet to Outlet
FY10XAV43334	"A" RH "A" Hose Nut RH
FY11XAV43335	"A" LH "A" Hose Nut LH
FY10XV 43336	"B" RH "B" Hose Nut RH
FY11XV 43337	"B" LH "B" Hose Nut LH

"B" SIZE "Y" CONNECTORS

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

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" RH "B" LH
HCC47 43346	"A" RH "B" RH
HCC78 43347	"B" RH "B" RH

"A" to "B" OUTLET ADAPTOR

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

"B" to "A" OUTLET ADAPTOR

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

Additional hose fittings available.
[See hose repair kits, page 102].

FLASHBACK ARRESTORS

TORCH & REGULATOR

Color
coded
for Fuel;
Oxygen

RFAB



RFA100

CHECK VALVES

TORCH & REGULATOR

Color
coded
for Fuel;
Oxygen

TCVB

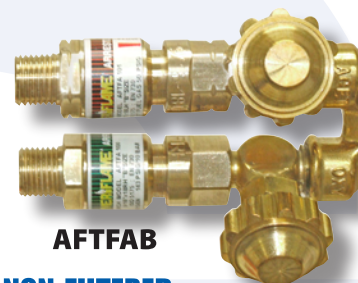


- Conforms to OSHA safety standards
- Easy to install test & service



A flashback is a momentary or sustained retrogression of the flame upstream of the mixer usually in the torch or hoses. This is a potentially hazardous situation, particularly if the flame reaches the hoses, where an explosion may result causing a rupture or separation of the hose. A flashback (flame) arrestor is a device that helps prevent the propagation of a flame upstream. Note that this device reduces the volume of gases available at the tip/nozzle.

Series RFA & TFA arrestors have inlet filters to prevent dust, dirt and other contaminants larger than 100 microns from entering the system, thus providing longer unit service. Series AFT arrestors do not have filters but will still extinguish flashbacks while providing initial cost savings.



AFTFAB

FILTERED					NON-FILTERED	
PART# UPC#	TFA100 04056	TFA101 04057	TFAM100 04061	TFAM101 04062	AFTFA100 04066	AFTFA101 04067
TORCH SINGLE	OXYGEN 9/16"-18 "B"	FUEL 9/16"-18 "B"	OXYGEN 3/8"-24 "A"	FUEL 3/8"-24 "A"	OXYGEN 9/16"-18 "B"	FUEL 9/16"-18 "B"
PART# UPC#	RFA100 10206	RFA101 10207	RFAM100 10211	RFAM101 10212		
REGULATOR SINGLE	OXYGEN 9/16"-18 "B"	FUEL 9/16"-18 "B"	OXYGEN 3/8"-24 "A"	FUEL 3/8"-24 "A"		
PART# UPC#	TFAB 04055	TFAA 04060	RFAB 10205	RFAA 10210		
TORCH SET OF 2	(1) OXYGEN (1) FUEL 9/16"-18 "B"	(1) OXYGEN (1) FUEL 3/8"-24 "A"			(1) OXYGEN (1) FUEL 9/16"-18 "B"	
REGULATOR SET OF 2			(1) OXYGEN (1) FUEL 9/16"-18 "B"	(1) OXYGEN (1) FUEL 3/8"-24 "A"		

Check valves provide added protection against reverse flow of gases, but not flashback. They should be tested for leakage and flow regularly. Check valves on regulators give the best service life.
** For "A" outlet regulators, use adaptor F58R or F58L [See pg. 103] to connect to "B" size regulator check valves on small portable outfits.

PART# UPC#	TCV100 04051	TCV101 04052	TCV10 02651	TCV11 02652	
TORCH SINGLE	OXYGEN 9/16"-18 "B"*	FUEL 9/16"-18 "B"*	OXYGEN 3/8"-24 "A"	FUEL 3/8"-24 "A"	
PART# UPC#	RCV100 10201	RCV101 10202			
REGULATOR SINGLE	OXYGEN 9/16"-18 "B"*	FUEL 9/16"-18 "B"*			
PART# UPC#	TCVB 04050	TCVA 02650	RCVB 10200		
TORCH SET OF 2	(1) OXYGEN (1) FUEL 9/16"-18 "B"*	(1) OXYGEN (1) FUEL 3/8"-24 "A"			
REGULATOR SET OF 2			(1) OXYGEN (1) FUEL 9/16"-18 "B"*		



ACCESSORIES

**WELDING
ACCESSORIES**

FLINT LIGHTERS AND RENEWALS

Light your torch safely...
eliminate the dangerous
use of matches and
butane lighters

PART# UPC#	FL34 43404	FL35 43406
---------------	---------------	---------------

SINGLE
FLINT LIGHTER

TRIPLE
FLINT LIGHTER

PART# UPC#	FL37 43405	FL36 43407
---------------	---------------	---------------

ONE 5 FLINT
RENEWAL

ONE 3 FLINT
RENEWAL UNIT

PART# UPC#	FL3437 43403	FL3536 43425
---------------	-----------------	-----------------

SINGLE LIGHTER
ONE 5 FLINT RENEWAL

TRIPLE LIGHTER
ONE 3 FLINT RENEWAL

PART# UPC#	FL3437TC 43419	FL3536TC 43420
---------------	-------------------	-------------------

SINGLE LIGHTER
ONE 5 FLINT RENEWAL
WITH TCS TIP CLEANER

TRIPLE LIGHTER
ONE 3 FLINT RENEWAL
WITH TCS TIP CLEANER



FL3437TC



FL35



FL37



FL36

WRENCHES FOR HOSE & CYLINDER CONNECTIONS

PART# UPC#	W94 43410	W05 43408
---------------	--------------	--------------

BC & MC COMBINATION
WRENCH FOR "A" FITTINGS

B & MC TANK
BOX WRENCH

PART# UPC#	W06 43409	W10X 43411
---------------	--------------	---------------

6 WAY WRENCH FOR
TORCHES, CYLINDERS
AND HOSES

10 WAY COMBO WRENCH
FOR TORCHES, CYLINDERS
AND HOSE CONNECTIONS



W94



W06



W05



W10X

GOGGLES & GLOVES SHADE #5

PART# UPC#	WG53 43402
---------------	---------------

SAFETY GOGGLES WITH
FLIP UP TYPE SHADE#5 LENSES

WG53

PART# UPC#	GL2 43436
---------------	--------------

ALL LEATHER
WELDING GLOVES



SOAPSTONE FLAT AND ROUND

PART# UPC#	SSRDK 43415	SSRD 43417
---------------	----------------	---------------

ROUND
SOAPSTONE

6 PIECE KIT
INCL. HOLDER

REPLACEMENTS
(CTN. 1 GROSS)

PART# UPC#	SSFLATK 43416	SSFLAT 43418
---------------	------------------	-----------------

FLAT
SOAPSTONE

6 PIECE KIT
INCL. HOLDER

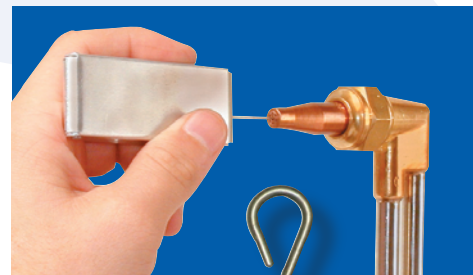
REPLACEMENTS
(CTN. 1 GROSS)

FLAT
ROUND



TIP SAVERS® SPIRAL TIP CLEANERS

- Hinged aluminum case - cleaning data stamped on back of case
- Rustproof, stainless steel wire
- Spiral is roll-formed to last longer
- Exclusive LOCK-IN-KNOT on small wires
- Long spiral cleans larger number of tip styles
- Tapered pilot ends will not damage tip orifice
- Stainless steel file included in each case



**FREE
NAME AND ADDRESS
ON COVER OF 144 SETS
OR MORE ORDERED
(2 LINES, UP TO 30
LETTERS PER LINE)
• YOUR COMPANY
LOGO PRINTED
ON THE SILVER
ALUMINUM COVER.
CALL FOR QUOTE!**



TCJ

TCL

TCM

TCS



TCP

**X-TRA LONG
TIP CLEANER**



**BLADE
TIP
CLEANER**

**STANDARD
TIP CLEANER**

No. TCS

NO.	DRILL
1	75-74
2	73-72-71
3	70-69-68
4	67-66-65
5	64-63-62
6	61-60
7	59-58
8	57
9	56
10	55-54
11	53-52
12	51-50-49

Standard Set;
12 Cleaners
(Box of 12)

No. TCL

NO.	DRILL
1	75-74
2	73-72-71
3	70-69-68
4	67-66-65
5	64-63-62
6	61-60
7	59-58
8	57
9	56
10	55-54
11	53-52
12	51-50-49

X-Tra Long Set;
12 Extra Long Cleaners
(Box of 12)

No. TCJ

NO.	DRILL
13	48-47
14	46-45
15	44-43
16	42-41
17	40-39-38
18	37-36
19	35-34-33
20	32-31
21	30

Jumbo Set;
9 Cleaners
(Box of 12)

No. TCP

NO.	DRILL
1	BLADE
2	BLADE
3	BLADE
4	67-66-65
5	64-63-62
6	61-60
7	59-58
8	57
9	56
10	55-54
11	53-52
12	51-50-49

Propane Set;
9 Cleaners, 3 Blades
(Box of 12)

No. TCM

NO.	DRILL
1	75-74
2	73-72-71
3	70-69-68
4	67-66-65
5	64-63-62
6	61-60
7	59-58
8	57
9	56
10	55-54
11	53-52
12	51-50-49
13	48-47
14	46-45
15	44-43
16	42-41
17	40-39-38
18	37-36
19	35-34-33
20	32-31
21	30

Master Set;
21 Cleaners
(Box of 12)



TORCH KIT SCORCHER®

**SPECIAL
PURPOSE KIT**

SCORCHER® PROPANE GAS TORCH KIT

A 500,000 BTU Propane gas flame tool for use on farms and ranches; at home and business; in construction, maintenance and factories; on railways; in parks and on highways.

- Easy to operate and maintain
- Hooks up to a standard 20 lb. Bar-B-Que grill type propane tank
- P.O.L. safety valve prevents excess flow of L.P. gas if hose is cut or melted

HUNDREDS OF PRACTICAL USES, YEAR ROUND

- Weed burning
- Asphalt repair, tar sealing
- Ice melting and snow removal
- Paint, grease, oil removal
- Preheating metal castings, pipes
- Brush and debris burning
- Fire ant mounds
- Roofing repair

BRASS CONTROL KNOB
WILL NOT FREEZE UP

ALL STEEL
TORCH HANDLE

10' HOSE
WITH P.O.L.
SAFETY VALVE
UL LISTED

9/16"-18 LH
BRASS FITTING

PART# WB500
UPC# 00700

FLINT LIGHTER
FOR SAFE,
PROPER
IGNITION

ALL STEEL
TORCH HEAD

INSTRUCTION
SHEET



**WEED
BURNING**

**ASPHALT
REPAIR**

**ICE
MELTING**

JEWELER'S PINPOINT FLAME TOOL
BASIC KITS

Uniweld Products, Inc. has taken the proven, reliable design technology of its quality engineered oxy-fuel gas welding torches and compressed it into a lightweight, precision jeweler's instrument. The Artorch®, made in the U.S.A. by Uniweld is a true professional mini-flame instrument that handles easily and welds, brazes and solders most metals.

The oxy-fuel Artorch® operates efficiently with most fuel gases, including: Mapp®, Acetylene, Propane, Propylene, Hydrogen and Natural Gas.



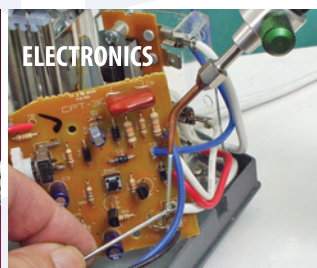
ART1001B

- JEWELERS
- ARTISTS
- OPTICIANS
- DENTISTS
- ELECTRONIC TECHNICIANS
- LIGHT DUTY REPAIRS

ART100-6B

JEWELRY
DESIGN AND
REPAIR

ELECTRONICS

METAL
CRAFTS AND
SCULPTURES

PART# UPC#	ART100 00330	ART100-6B 00331	ART100-6A 00337	ART100-12B 00334	ART1007A 82806
DESCRIPTION	ARTORCH®	ARTORCH® BASIC KIT	ARTORCH® BASIC KIT	ARTORCH® BASIC KIT	ARTORCH® BASIC KIT
HOSE [FITTINGS]	NO HOSE	ARTH6B 6' TWIN HOSE ["B"]	ARTH6A 6' TWIN HOSE ["A"]	ARTH12B 12' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]
CURVED TIP(S)	-	-	-	-	#4
PACKAGE WITH INSTRUCTIONS	DISPLAY CARD	DISPLAY CARD	DISPLAY CARD	DISPLAY CARD	DISPLAY CARD
PART# UPC#	ART1001B 82800	ART1012 82808	ART1020 82812	ART1001LP 82801	ART1020LP 82813
DESCRIPTION	ARTORCH® OXYACETYLENE KIT	ARTORCH® OXYACETYLENE KIT	ARTORCH® OXYACETYLENE KIT	ARTORCH® PROPANE KIT	ARTORCH® PROPANE KIT
HOSE [FITTINGS]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6A 12' TWIN HOSE ["A"]	ARTH6B 6' TWIN HOSE ["B"]	ARTH12B 12' TWIN HOSE ["B"]
CURVED TIP(S)	#2, #3, #4 #5, #6	#2, #3, #4 #5, #6	#2, #3, #4 #5, #6	#3, #4, #5 #6, #7	#3, #4, #5 #6, #7
PACKAGE WITH INSTRUCTIONS	DISPLAY BOX	DISPLAY CARD	DISPLAY CARD	DISPLAY CARD	DISPLAY CARD



JEWELER'S PINPOINT FLAME TOOL

In order to achieve pinpoint flame accuracy, the Artorch® tip sizes #2 and #3 have an extremely small orifice diameter. These tips are fitted with a synthetic sapphire insert to assure that the tip orifices hold tight tolerances without warping.

Tip size #2 should only be used with high pressure gases such as acetylene or hydrogen.

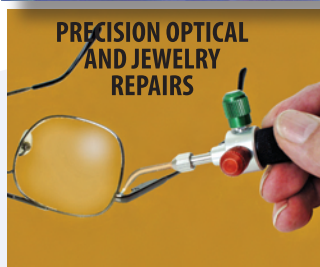
Tip sizes #3, #4, #5, #6 and #7 provide ample heat for larger applications.



The comfortable fit, light weight, flexible color-coded hoses and easily accessible control valves make the Artorch® a dependable, efficient tool that you can rely upon all day...every day.

**ALL ARTORCH®
GAUGES ARE
FITTED WITH
PROTECTIVE
RUBBER
BOOTS**

ART1003



ART1004A



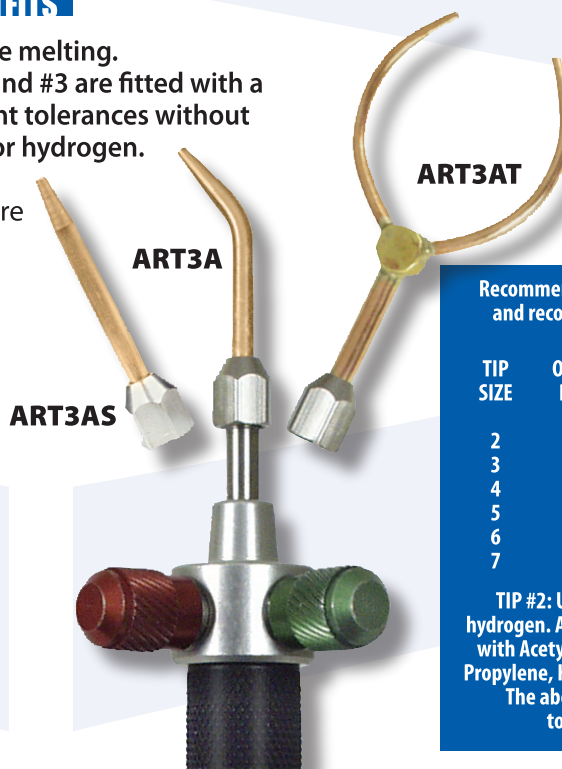
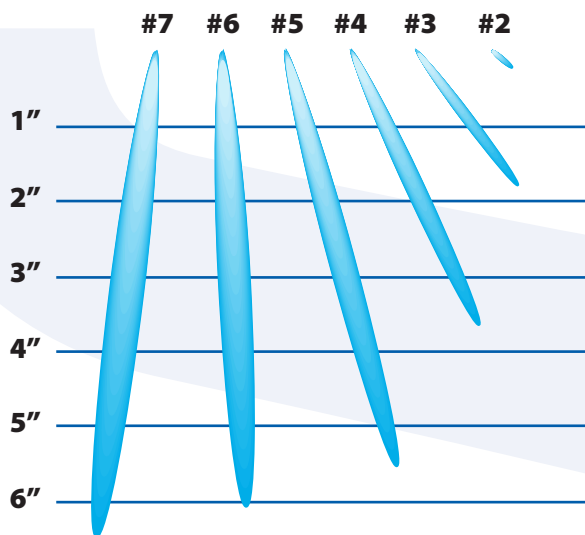
PART# UPC#	ART1003 82805	ART1003B 82803	ART1003P 82804	ART1014 82810	ART1010P 82807	ART1004A 82802	
DESCRIPTION	ARTORCH® ACETYLENE KIT	ARTORCH® ACETYLENE KIT	ARTORCH® PROPANE KIT	ARTORCH® MAPPG®/PROPANE KIT	ARTORCH® PROPANE KIT	ARTORCH® TOTE OUTFIT	
HOSE [FITTINGS]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]	ARTH6B 6' TWIN HOSE ["B"]	
CURVED TIP(S)	#2, #3, #4 #5, #6	#2, #3, #4 #5, #6	#3, #4, #5 #6, #7	#4	#3, #4, #5 #6, #7	#2, #3, #4 #5, #6	
FUEL REG.	RMC2B	RB2B	RLPB	RP3B	RP3B	RMC2B	
OXY REG.	ROB	ROB	ROB	RP03B	ROB	ROB	
REGULATOR CHECK VALVES	RCV100 RCV101	RCV100 RCV101	RCV100 RCV101	N/A	RCV100 RCV101	RCV100 RCV101	
CYLINDERS	-	-	-	-	R OXYGEN CYLINDER, PDC DISPOSABLE PROPANE CYLINDER	MC ACETYLENE AND R OXYGEN CYLINDERS	
TOTE	-	-	-	-	511, PLASTIC	511, PLASTIC	
WRENCH	-	-	-	-	-	W05	

ALL ARTORCH® KITS/OUTFITS INCLUDE INSTRUCTION BOOKLET
MC FUEL & R OXYGEN CYLINDERS SHIPPED EMPTY
LP DISPOSABLE CYLINDER SHIPPED SEPARATELY

CURVED/STRAIGHT/TWIN TIPS
FOR ARTORCH® OUTLETS

Artorch® tips are used for soldering and high temperature melting. In order to achieve pinpoint flame accuracy, tip sizes #2 and #3 are fitted with a synthetic sapphire to ensure that the tip orifices hold tight tolerances without warping. Tip size #2 should only be used with acetylene or hydrogen.

Approx. tip flame sizes Oxygen/Acetylene Neutral Mixture



Recommended pressure settings
and recommended fuel gases

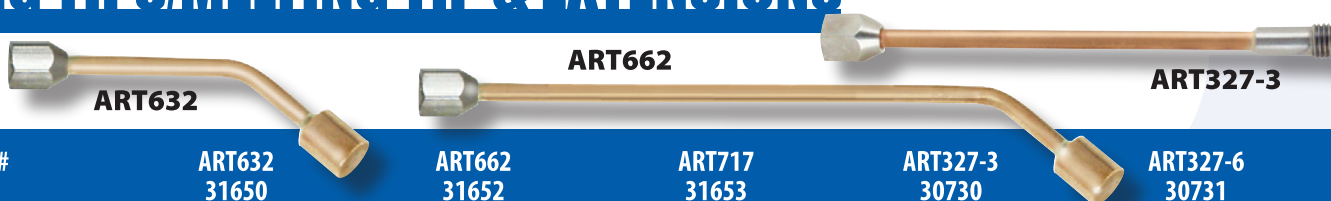
TIP SIZE	ORIFICE DIAM.	GAS PRESSURE (PSI) OXY - FUEL
2	.006"	2 - 2
3	.011"	3 - 3
4	.020"	4 - 4
5	.029"	6 - 6
6	.037"	6 - 6
7	.047"	8 - 8

TIP #2: Use only Acetylene or hydrogen. All other tips can be used with Acetylene, Propane, Mapp®, Propylene, Hydrogen or Natural Gas. The above pressures apply to all fuel gases.

PART# UPC#	ART2A 30702	ART3A 30703	ART4A 30704	ART5A 30705	ART6A 30706	ART7A 30707	ART2AS 30712	ART3AS 30713
TIP DESCRIPTION	CURVED	CURVED	CURVED	CURVED	CURVED	CURVED	STRAIGHT	STRAIGHT
FLAME LENGTH	1/4"	1-3/4"	3-1/2"	5-1/2"	6"	6-1/2"	1/4"	1-3/4"
ORIFICE DIAMETER	.006"	.011"	.020"	.029"	.037"	.047"	.006"	.011"
PSI OXYGEN	2	3	4	5	6	8	2	3
PSI FUEL	2	3	4	5	6	8	2	3

PART# UPC#	ART4AS 30714	ART5AS 30715	ART6AS 30716	ART7AS 30717	ART3AT 30723	ART4AT 30724 * FLAME LENGTH MAY VARY	ART5AT 30725	ART6AT 30726
TIP DESCRIPTION	STRAIGHT	STRAIGHT	STRAIGHT	STRAIGHT	TWIN	TWIN	TWIN	TWIN
FLAME LENGTH	3-1/2"	5-1/2"	6"	6-1/2"	1-3/4"*	3-1/2"*	5-1/2"*	6"*
ORIFICE DIAMETER	.020"	.029"	.037"	.047"	.011"	.020"	.029"	.037"
PSI OXYGEN	4	5	6	8	3	4	5	6
PSI FUEL	4	5	6	8	3	4	5	6

HEATING TIPS/MELTING TIP & EXTENSIONS



PART# UPC#	ART632 31650	ART662 31652	ART717 31653	ART327-3 30730	ART327-6 30731
TIP DESCRIPTION	3" ROSEBUD HEATING TIP MELT UP TO 3 oz. OF GOLD, BRONZE/SILVER	6" ROSEBUD HEATING TIP MELT UP TO 3 oz. OF GOLD, BRONZE/SILVER	6" PROPANE HEATING TIP FOR CASTING & ANNEALING MELT UP TO 3 oz. OF GOLD, BRONZE/SILVER	3" TIP EXTENSION FITS ALL ARTORCH TIPS	6" TIP EXTENSION FITS ALL ARTORCH TIPS
BTU OUTPUT	8,000	8,000	-	N/A	N/A



ACCESSORIES ARTORCH®

**SPECIAL
PURPOSE
FLAME TOOLS**

REGULATORS



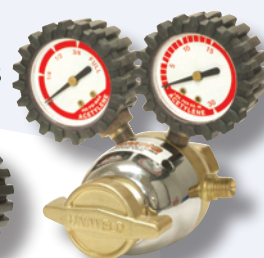
RP3B



The Artorch® line of regulators range from the RP3B disposable cylinder type used for brazing to the light and medium duty single stage type used for brazing, heating and melting. Regulators available for larger tanks.



ROB



RMC2B

SEE PAGES 82-83
FOR ALL R SERIES
REGULATORS

PART# UPC#	ROB 12001	RMC2B 12019	RLPB 12015	RP3B 43001	RP03B 43009
DESCRIPTION	OXYGEN	ACETYLENE	PROPANE	FUEL	OXYGEN
CGA INLET	540	200	510	600	600
OUTLET CONNECTION	"B"RH 9/16"-18(M)	"B"LH 9/16"-18(M)	"B"LH 9/16"-18(M)	"B"LH 9/16"-18(M)	"B"RH 9/16"-18(M)
DEL. PSIG	2-60	2-15	2-40	2-15	5-125
GAUGE	1-1/2"	1-1/2"	1-1/2"	N/A	N/A
STAGE	SINGLE	SINGLE	SINGLE	N/A	N/A
TANKS	R, R40	MC	FITS REFILLABLE PROPANE CYLINDER	MDC MAPP® DISPOSABLE CYL.	ODC OXYGEN DISPOSABLE CYL.

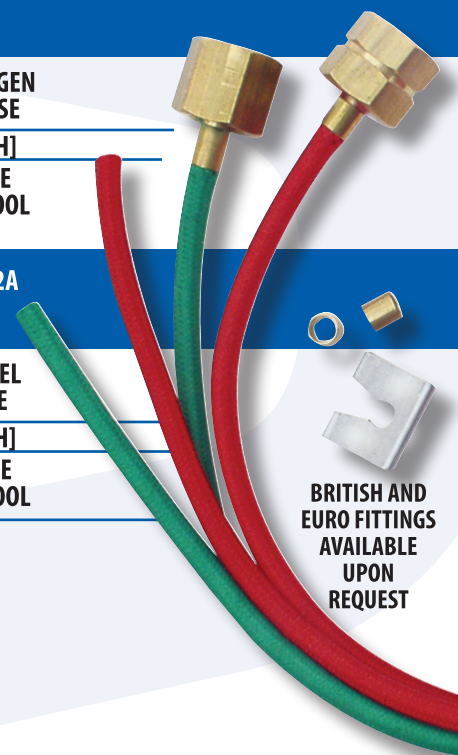
HOSES

PART# UPC#	ARTH3B 43589	ARTH6B 43592	ARTH6A 43590	ARTH12B 43593	ARTH12A 43591
HOSE DESCRIPTION	TWIN HOSE REPLACEMENT KIT	TWIN HOSE REPLACEMENT KIT	TWIN HOSE REPLACEMENT KIT	TWIN HOSE REPLACEMENT KIT	TWIN HOSE REPLACEMENT KIT
HOSE LENGTH	3'	6'	6'	12'	12'
FERRULES TOOL	2 FERRULES FERRULE TOOL	2 FERRULES FERRULE TOOL	2 FERRULES FERRULE TOOL	2 FERRULES FERRULE TOOL	2 FERRULES FERRULE TOOL
FITTINGS	"B"	"B"	"A"	"B"	"A"

PART# UPC#	ART1GH6B 43653	ART1GH6A 43651	ART1GH12B 43657	ART1GH12A 43655
HOSE DESCRIPTION	SINGLE OXYGEN GREEN HOSE	SINGLE OXYGEN GREEN HOSE	SINGLE OXYGEN GREEN HOSE	SINGLE OXYGEN GREEN HOSE
HOSE LENGTH/FITTINGS	6'-"B" [RH]	6'-"A" [RH]	12'-"B" [RH]	12'-"A" [RH]
FERRULES TOOL	1 FERRULE FERRULE TOOL	1 FERRULE FERRULE TOOL	1 FERRULE FERRULE TOOL	1 FERRULE FERRULE TOOL

PART# UPC#	ART1RH6B 43652	ART1RH6A 43650	ART1RH12B 43656	ART1RH12A 43654
HOSE DESCRIPTION	SINGLE FUEL RED HOSE	SINGLE FUEL RED HOSE	SINGLE FUEL RED HOSE	SINGLE FUEL RED HOSE
HOSE LENGTH/FITTINGS	6'-"B" [LH]	6'-"A" [LH]	12'-"B" [LH]	12'-"A" [LH]
FERRULES TOOL	1 FERRULE FERRULE TOOL	1 FERRULE FERRULE TOOL	1 FERRULE FERRULE TOOL	1 FERRULE FERRULE TOOL

ADDITIONAL ARTORCH® ACCESSORIES: WG53 GOGGLES (SEE PAGE 105) • FL34 FLINT LIGHTER (SEE PAGE 105)
RCV100 & RCV101 CHECK VALVES; RFA100 & RFA101 FLASHBACK ARRESTORS (SEE PAGE 104) • FY10XV AND FY11XV
"Y" CONNECTORS W/VALVES (SEE PAGE 103)



BRITISH AND
EURO FITTINGS
AVAILABLE
UPON
REQUEST

BALLOON REGULATORS

Easy to use and easy to install, user friendly, Fast-Flo® Balloon Inflators and accessories for florists, party stores, supermarkets and rentals.

BR2MHG Automatic shut-off mylar balloon filler valve and regulator (won't over-inflate and burst balloon)

Spin-on hand tight connection with O-ring for tight leak proof connections

Piston-type design

Solid brass connections

Durable rubber latex tilt valve

Drilled and tapped for optional tie hook and ribbon cutter

Sintered bronze inlet filter

Rear mounted

1-1/2" 4000 psi gauge

**BR2DHG**

Spin-on hand tight connection with O-ring for tight leak proof connections

Piston-type design

Solid brass connections

Durable rubber tilt valve

Drilled and tapped for optional tie hook and ribbon cutter

Additional 1/4" NPT port for second filler valve (if needed)

Sintered bronze inlet filter

Rear mounted 1-1/2"

4000 psi gauge

**BR2PHW**

Dependable hand or wrench tight connection

Piston-type design

Solid brass connections

Drilled and tapped for optional tie hook and ribbon cutter

Additional

1/4" NPT port for second filler valve (if needed)

Sintered bronze inlet filter

**BR2DH**

Spin-on hand tight connection with O-ring for tight leak proof connections

Piston-type design

Solid brass connections

Durable rubber tilt valve

Drilled and tapped for optional tie hook and ribbon cutter

Additional 1/4" NPT port for second filler valve (if needed)

Sintered bronze inlet filter



**Colorful
Informative
Packaging**



**PART#
UPC#**

**BR2MHG
14206**

**BR2DHG
14205**

**BR2DH
14204**

**BR2PHW
14203**

FAST-FLO®

**BALLOON
REGULATOR**

**BALLOON
REGULATOR**

**BALLOON
REGULATOR**

**BALLOON
REGULATOR**

**BALLOON
INFLATOR
DESCRIPTION**

**DELUXE ALL-IN-ONE
MYLAR BALLOON
INFLATOR WITH MYLAR
VALVE, LATEX TILT
VALVE & GAUGE**

**DELUXE
BALLOON
INFLATOR
WITH GAUGE**

**DELUXE
BALLOON
INFLATOR**

**PREMIUM
BALLOON
INFLATOR**



FAST-FLO® BALLOON INFLATORS

**SPECIALTY
REGULATORS**

BALLOON REGULATORS AND ACCESSORIES

HELIUM CYLINDER DATA

Latex Balloon size	7"	9"	10"	12"	14"	16"	18" Mylar
Volume of Helium per Balloon (cu./ft.)	.15	.27	.30	.52	1.00	1.25	.44

Hand tight or wrench tight models available



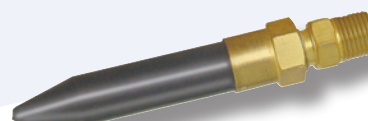
Quick and easy tilt valve fillup

Optional ribbon cutter and tie-off hooks



BR2PH

- Horizontal one-piece hand tight inflator
- Solid brass piston-style construction
- Durable rubber tilt valve
- Easy to install and use



BTVM



BBTH



BH59



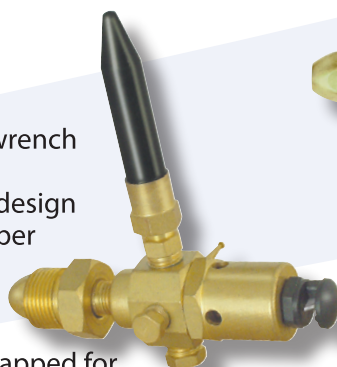
BPSC



GS173H

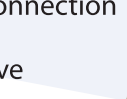
BR2SW

- Leak-proof wrench tight connection
- Piston-type design
- Durable rubber tilt valve
- Solid brass construction
- Drilled and tapped for optional tie hook and ribbon cutter



BR2SWG

- Secure wrench tight connection
- Piston-type design
- Durable rubber tilt valve
- Rear mounted 1-1/2" 4000 psi gauge
- Additional 1/4" NPT port for second filler valve (optional)



BPSC



BTVF

OPTIONAL ACCESSORIES

PART# UPC#	BR2SWG 14202	BR2SW 14201	BR2PH 14200
FAST-FLO	BALLOON REGULATOR	BALLOON REGULATOR	BALLOON REGULATOR
BALLOON INFLATOR DESCRIPTION	ECONOMICAL STANDARD BALLOON INFLATOR WITH GAUGE	ECONOMICAL STANDARD BALLOON INFLATOR	ECONOMICAL STRAIGHT POST TYPE BALLOON INFLATOR

PART# UPC#	BTVM 14220	BBTH 14222	BH59 14207
	TILT VALVE WITH MALE BUSHING	TIE HOOK	HAND TIGHT NUT CGA580
PART# UPC#	BPSC 14223	BTVF 14221	GS173H 14224
	PLASTIC RIBBON CUTTER	TILT VALVE WITH FEMALE BUSHING	CONTENTS GAUGE 1-1/2", 4000 PSI

NEW
OUTFIT

MINEPRO™ OUTFIT



NEW!

MINEPRO™
HEAVY DUTY

The Uniweld A-Style MINEPRO is a professional heavy duty oxy-fuel outfit for commercial and industrial cutting, welding and heating.

■ **CA730 CUTTING ATTACHMENT** with its three tube in-line construction and **tip mix technology** for maximum safety, features an ergonomically designed oxygen lever

■ **RV SERIES REGULATORS** with large, easy to read single scale 2-1/2" gauges and a stainless steel diaphragm

■ **WH730 WELDING HANDLE** with tube within a tube design and four O-ring seals for safety and ease of service

**MINE
PRO**



**Outfit
packed
in its own
tool box.
Oxygen & fuel
gas cylinders
required.**



■ **164-1 Acetylene**
one-piece cutting tip

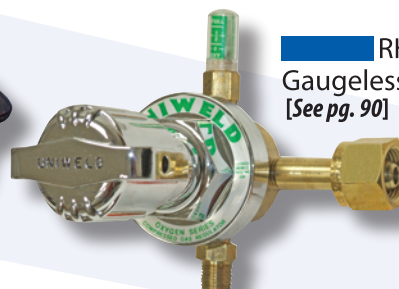
**PLAY
SAFE™**
FLASHBACK
ARRESTORS
INSTALLED



■ **TYPE73-8 Oxyacetylene**
heating tip can be used for welding,
heating, brazing and soldering



■ **W12X Heavy duty miner's wrench**



■ **RHG8010**
Gaugeless Regulators
[See pg. 90]

Cutting Capacity: 1/2" with supplied tip; up to 8" with optional tips [See pgs. 62-65]

Welding Capacity: 1/4" with supplied tips; up to 1-1/2" with optional tips [See pg. 68]

Heating Tips: [See pgs. 68-70]

Outfit not supplied with goggles, hose or striker.

NEW!

**MINE-PRO
HEAVY DUTY**

	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	FLASHBACK ARRESTORS	MINER'S WRENCH
--	-------------------	-----------------------	----------------	----------------	------------------------------------	--------------------------------------	------------------------	-------------------

CGA410	PART# KV730-CND UPC# 86450	WH730	CA730	164-1	TYPE 73-8	RV8010 CGA540	RV8011CND CGA410	TFA100 TFA101	W12X 43439
CGA510	PART# KV730 UPC# 86451	WH730	CA730	164-1	TYPE 73-8	RV8010 CGA540	RV8011 CGA510	TFA100 TFA101	W12X 43439
CGA410	PART# KHG730-CND UPC# 86453	WH730	CA730	164-1	TYPE 73-8	RHG8010† CGA540	RHG8011† CGA410	TFA100 TFA101	W12X 43439
CGA510	PART# KHG730 UPC# 86452	WH730	CA730	164-1	TYPE 73-8	RHG8010† CGA540	RHG8011† CGA510	TFA100 TFA101	W12X 43439

Minimum 1/4" hose required (order separately).
*Dual scale gauges and other regulator connections
available upon request. [See pgs. 97, 98]

† Gaugeless Regulators [See pg. 90]



"SCRAPPER"

9-PIECE SCRAP METAL CUTTING OUTFIT

As scrap steel prices continue to rise across the country, preparing steel for the scrap yard has become a primary concern in the metal working industry. This task has become easier with the introduction of the new UniWeld **SCRAPPER** outfit. Starting with a 21" long 50A-21 "tip mix" hand cutting torch, utilizing the safest gas mixing system developed, that keeps you back and away from the heat zone and... following up with two heavy duty single stage **RV** series regulators with stainless steel diaphragms, the **SCRAPPER** provides you with a safe and efficient money-making method of cutting scrap metal.



50A-21 HAND CUTTING TORCH



TYPE 164 SCRAP
CUTTING TIPS



RV8010
OXYGEN
REGULATOR



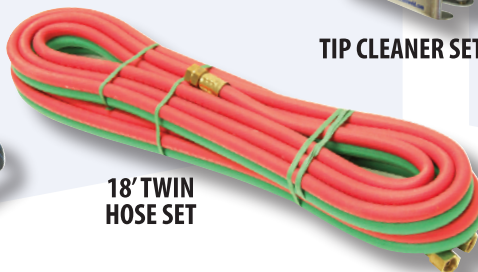
RV8011
ACETYLENE
REGULATOR



TIP CLEANER SET



FLIP-UP LENS
SHADE #5
WELDING GOGGLES



18' TWIN
HOSE SET



FLINT LIGHTER



IN-STORE
DISPLAY
BOX

NEW
SCRAPPER
HEAVY DUTY

CUTTING
HAND TORCH

CUTTING
TIPS

OXYGEN*
REGULATOR
5-125 PSIG

ACETYLENE*
REGULATOR
2-40 PSIG

ACCESSORIES

PART# KV50AS-21
UPC# 86205

50A-21

164-1
164-3

RV8010
CGA540

RV8011
CGA510

TCS TIP CLEANER,
TWIN HOSE 18' 1/4" "B"
SHADE #5 GOGGLES, LIGHTER

SCRAPPER OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]

NEW!

SELF IGNITING


TWISTER[®] 2

**SWIRL COMBUSTION
HAND TORCH**

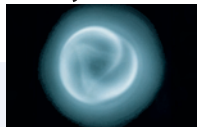
The new HT44 Twister[®] 2 Self Igniting Hand Torch features easy start electric ignition combined with its popular Twister[®] swirl combustion technology to produce a new, faster lighting and more efficient hand torch for the plumber and HVAC technician.

- Use Mapp[®] or Propane
- Instant flame action
- Use for soldering and brazing of Copper, Brass and Aluminum
- Swirl combustion for high energy efficient flame that's stable even in windy conditions
- Trigger lock with safety feature and instant release
- Perfect flame adjustment knob
- Operates in any position...even upside down.

TARGET HEAT

		
	Propane 1750° F (954 °C)	
	Mapp[®] 2400° F (1316 °C)	
	Tubing Capacity	
	Soldering	Brazing
Propane	Up to 2"	Up to 3/4"
Mapp [®]	Up to 3"	Up to 1"

The LP Twister[®] swirl combustion tips produce a high energy efficient flame that is stable even in windy conditions.



A helical blade inside the tip premixes the fuel gas and air to achieve maximum combustion.

This type of flame technology maximizes the BTU's and transfers heat faster than other air/LP gas flame tools.



**PART# HT44
UPC# 43216**



OUTFITS & TIPS TWISTER® 2

**HVAC-R
PRODUCTS**

NEW!

**SELF IGNITING
TWISTER® 2**





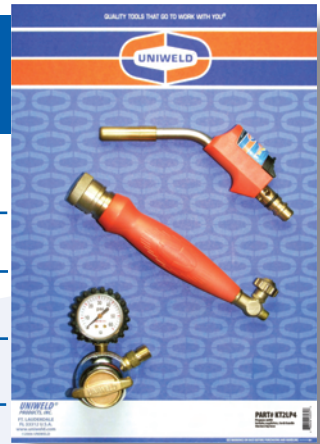

UniWeld has combined easy start electric ignition with its popular Twister® swirl combustion technology to produce the new Twister® 2 Self Igniting swirl combustion quick connect tips. It's a new, faster lighting and more efficient flametool for the plumber and HVAC technician.



OUTFITS

PART# UPC#	KT2A5 89650	KT2A5T 89651	KT2A5MC 89652	KT2A5MCT 89653	KT2LP4 89660
REGULATOR	RB ACETYLENE	RB ACETYLENE	RMC ACETYLENE	RMC ACETYLENE	RLPB LP GAS
QUICK CONNECT HANDLE	TH6, REAR CONTROL VALVE	TH6, REAR CONTROL VALVE	TH6, REAR CONTROL VALVE	TH6, REAR CONTROL VALVE	TH6, REAR CONTROL VALVE
TWISTER® 2 TIPS	T2A-5	T2A-5	T2A-5	T2A-5	T2LP-4
HOSE 12-1/2 FT.	H12, ACETYLENE SINGLE HOSE	H12, ACETYLENE SINGLE HOSE	H12, ACETYLENE SINGLE HOSE	H12, ACETYLENE. SINGLE HOSE	HLP14B, LP GAS SINGLE HOSE
CARRYING STAND TANKS	-	502 "B" ACETYLENE	-	512 "MC" ACETYLENE	-

TIPS

PART# UPC#	T2A-3 43050	T2A-5 43051	T2A-8 43052	T2A-12 43053		
 T2A-12 ACET. TIP	COPPER TUBING CAPACITY SOFT SOLDER [ACETYLENE]	UP TO 1"	3/4" - 1-1/2"	1" - 2"	2" - 4"	
	COPPER TUBING CAPACITY SILVER SOLDER [ACETYLENE]	UP TO 1/2"	1/4" - 3/4"	1/2" - 1"	1" - 2"	
	REPLACEMENT TIP ENDS	T2A-3TE UPC# 43060	T2A-5TE UPC# 43061	T2A-8TE UPC# 43062	T2A-12TE UPC# 43063	
PART# UPC#	T2LP-3 43070	T2LP-4 43071	T2LP-5 43072			
 T2LP-5 L.P. GAS TIP	COPPER TUBING CAPACITY SOFT SOLDER [MAPP®]	UP TO 1-1/2"	1/4" - 2-1/2"	1" - 4"	 KT2LP4	
	COPPER TUBING CAPACITY SILVER SOLDER [MAPP®]	UP TO 1/2"	1/4" - 1-1/4"	1/2" - 2"		
	COPPER TUBING CAPACITY SOFT SOLDER [PROPANE]	UP TO 1"	1/4" - 1-1/2"	1-1/2" - 2-1/2"		
	COPPER TUBING CAPACITY SILVER SOLDER [PROPANE]	UP TO 1/2"	1/4" - 3/4"	1/2" - 1-1/4"		
	REPLACEMENT TIP ENDS	T2LP-3TE UPC# 43080	T2LP-4TE UPC# 43081	T2LP-5TE UPC# 43082		
					 TH6 QUICK CONNECT TORCH HANDLE	



TWISTER® AIR/FUEL

**PART# 89600
UPC# 89600**



The air/acetylene Twister® Kit includes an acetylene regulator with a booted 1-1/2" gauge (CGA520), an ergonomically designed quick connect handle, two swirl combustion Twister® tips and a 12.5 ft. acetylene hose, ("A" connection).

SOLDERING KIT SOFT FLAME

**PART# K37
UPC# 89100**



Uniweld's air/acetylene soldering and brazing kit includes a screw connect rear valve handle, a screw connect soft solder tip, an acetylene regulator with a booted 1-1/2" gauge and a 12.5 ft. acetylene hose, ("A" connection).

RP3T6 SILVER BULLET®



**OPEN
REGULATOR**

**PULL DOWN
CASING
TO IGNITE**




**PART# RP3T6
UPC# 43006**

The electric ignition Silver Bullet® Tip eliminates the need for a spark lighter. Pull down on the bullet casing to activate the piezo electric spark ignitor. Tip swivels 360 degrees for operation in any position... even upside down. Operates on Mapp® and Propane.



TARGET HEAT

	Propane 1750° F (954 °C) Mapp® 2400° F (1316 °C)	
Tubing Capacity		
	Soldering	Brazing
Propane	Up to 1"	Up to 5/8"
Mapp®	Up to 1-1/2"	Up to 7/8"

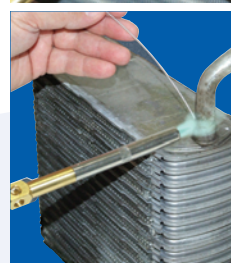
UNITORCH® HAND TORCH

**PART#MKT-4L
UPC# 89501**

Unitorch® hand torch with LP Twister® tip and Mapp® disposable cylinder. Soldering and brazing kit for automotive, plumbing, HVAC-R applications. Kit includes: Unitorch regulator with swivel elbow that can be operated in an upside down position.

TARGET HEAT

Tubing Capacity		
	Soldering	Brazing
Propane	Up to 1"	Up to 5/8"
Mapp®	Up to 1-1/2"	Up to 7/8"



MKT-4L



OUTFITS WELD/BRAZE

**HVAC-R
PRODUCTS**

CAP'N HOOK® OUTFITS OXYACETYLENE

The UniWeld Cap'n Hook® Outfit is portable, lightweight and adaptable so the contractor can cut, weld and braze in remote locations.

■ R SERIES REGULATORS have single scale 1-1/2" gauges with protective rubber boots.

■ 71 WELDING HANDLE with two-tube silver brazed construction with front stainless steel ball point valves for one-hand fingertip control and positive shutoff.

■ The patented MTF-2 CAP'N HOOK® TIP is constructed of stainless steel that provides a stable flame time after time while holding its shape. Cap'n Hook tips supply 100% wraparound for even heat distribution and excellent brazing.

■ KL22 & KL22P-T outfits are capable of cutting up to 2" with UniWeld's CA100 CUTTING ATTACHMENT when used with proper cutting tips (sold separately).

Uses CT100 series cutting tips.
[See pg. 63]



K22P-T

K22 and KL22: Cylinders not included.
KL22P-T and K22P-T: Cylinders and outfits are unitized, packaged in one master carton†

Use 20 cu.ft (R) Oxygen cylinder
and 10 cu.ft. (MC) Acetylene cylinder

KL22

CAP'N HOOK® BRAZING OUTFIT	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	CAP'N HOOK® BRAZE TIP	OXYGEN* REGULATOR 2-60 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KL22P-T UPC# 82506	71	CA100	CT-100	TYPE 17-2	MTF-2	R0 CGA540	RMC2 CGA200	TWIN HOSE 12.5' 3/16" "B" GOGGLES, LIGHTER, 511 PLASTIC TOTE, MC/R TANKS†
PART# KL22 UPC# 82500	71	CA100	CT-100	TYPE 17-2	MTF-2	R0 CGA540	RMC2 CGA200	TWIN HOSE 12.5' 3/16" "B" GOGGLES, LIGHTER
PART# K22P-T UPC# 82345	71	-	-	TYPE 17-2	MTF-2	R0 CGA540	RMC2 CGA200	TWIN HOSE 12.5' 3/16" "B" GOGGLES, LIGHTER, 511 PLASTIC TOTE, MC/R TANKS†
PART# K22 UPC# 82339	71	-	-	TYPE 17-2	MTF-2	R0 CGA540	RMC2 CGA200	TWIN HOSE 12.5' 3/16" "B" GOGGLES, LIGHTER

† Cylinders shipped empty.

**NEW
PRODUCT**

TRAKUTTER



TRAKUTTER™ UCM200 OXY/FUEL

The new uniweld TRAKUTTER is a portable track-style machine that can be operated on its own track for precision straight line cutting.

CUTTING MACHINE with 32 pitch pinion torch holder designed for 1-3/8" (35mm) barrel diameter machine torches, Uniweld series 62, 62F, 64, 67, and 67F. [See pgs. 13, 42, 61]

Large adjustment knobs and wing nuts for lock-down

3' manifold to torch twin hose

Additional hoses required

Two hose manifold block

Racking distance up to 8" from the machine

Constant speed in forward and reverse

16' power cord

OPTIONAL TRACK SECTION PART# CMTR6 UPC# 04352

6' Track section for line cutting. Track sections can be securely interlocked for added length

PART# UCM200
110V-50/60Hz
UPC# 04350

PART# UCM220
220V-50/60Hz
UPC# 04351

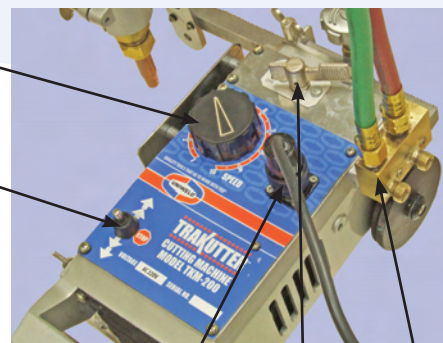
SPEED
ADJUSTMENT
KNOB

FORWARD
IDLE-REVERSE
SWITCH

POWER
INLET

ON/OFF
LEVER

TWO HOSE
MANIFOLD
BLOCK



CUTTING THICKNESS: 3/16" TO 2" with proper tips
POWER: AC 110V or 220V, 50/60Hz
MOTOR: 1,500 R.P.M.
CUTTING CAPACITY: 72" Track increments*
SPEED RANGE: 6" (150 mm) to 31" (800mm)/minute
DIMENSIONS: 14" X 12" X 8" (machine only)
WEIGHT: 20.9 lbs. (9.5 Kg)
* Track sold separately



CONTACT UNI WELD

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OFFICES**

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FAX: 702.253.1346

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1-101-3	33130	14	1-212-2D	33726	19	1502-3D	37120	66	2318	31412	50
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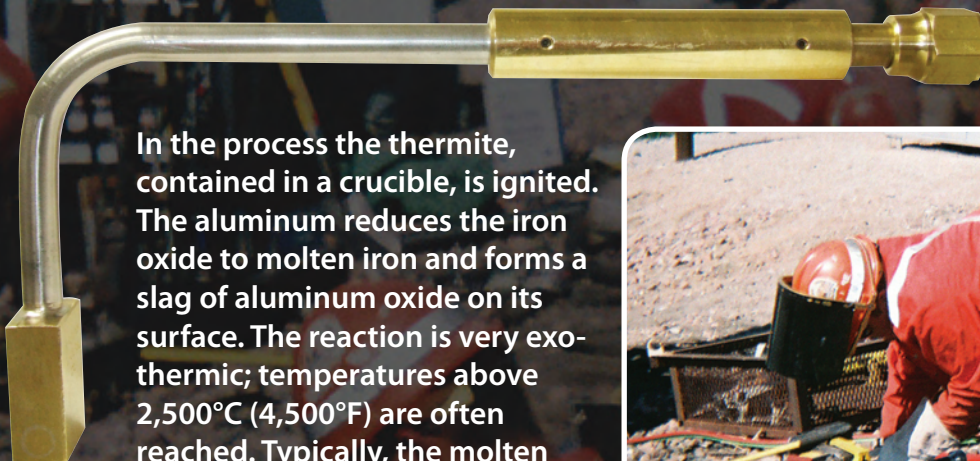
LATE
ADDITION



THERMITE WELDING TIPS

Join sections of ribbon rail by preheating rail ends in preparation for the thermite charge. Thermite [from Thermit, a trade name], is a mixture of powdered or granular aluminum metal and powdered iron oxide. When ignited, it gives off large amounts of heat. It is used in welding large parts, e.g., castings, shafts, pipes, and steel rails.

TWN-5



TIP END



In the process the thermite, contained in a crucible, is ignited. The aluminum reduces the iron oxide to molten iron and forms a slag of aluminum oxide on its surface. The reaction is very exothermic; temperatures above 2,500°C (4,500°F) are often reached. Typically, the molten iron is poured into the joint to be welded, providing both heat for fusion and filler metal. Excess metal may be removed when the weld cools.

WH360



UniWeld Thermite Welding Tips fit UniWeld V-style Heavy Duty WH360 and 72L9 Welding Handles [see pg 11].



THERMITE WELDING TIP	FUEL GAS	PREHEAT	OXYGEN PSI FLOW	FUEL PSI FLOW
PART# TWN-5 UPC# 31015	PROPANE	5 MINUTES	65 300	15 80

Contact Customer Service for the latest UniWeld Price Sheet containing Thermite Welding Tips
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