

UNIVERSAL EQUIPMENT LIST

CERRITOS COLLEGE WELDING SUPPLY PARTNERS

- **Lower's Industrial Supply** - 10847 Painter Ave, Santa Fe Springs, CA 90670
(562) 944-1919 www.lowerindustrialsupply.com
- **MPB Equipment – Welding Supplies & Industrial Gases** - 10148 Artesia Pl, Bellflower, CA 90706 (562) 804-9075 Mikesanchez1919@yahoo.com
- **Five Star Gas** - 8639 Norwalk Blvd, Los Nietos, CA 90606-3401 (562) 497-1981
www.airgas.com
- **Matheson** - 2445 South St. Long Beach, CA 90805 (562) 728-5500
<http://www.mathesongas.com/>
- **Cameron Welding Supply** – 1690 Cota Ave, Long Beach, CA 90813 (562) 951-5818
www.cameronwelding.com
- **Matheson** – 8639 Norwalk Blvd, Whittier, CA 90606 (562) 908-6943
<http://www.mathesongas.com/>
- **Encore Welding Supply** – 2675 Temple Ave, Signal Hill, CA 90755 (562) 612-4757
www.encoresupply.com/
- **Linde** – 1619 W. Anaheim St. Long Beach, CA 90813 (562) 437-0381
<https://www.praxairdirect.com/>

WELD 100 & 120 STUDENT START UP PACKAGE

- CLEAR SAFETY GLASSES
- GAUNTLET STYLE ARC WELDING GLOVES
- LEATHER CAPE SLEEVES W/BIB OR LEATHER WELDING JACKET
- FLIP FRONT WELDING HELMET
- 100% COTTON WELD CAP
- SLAG CHIPPING HAMMER
- 1" STAINLESS STEEL TOOTH BRUSH
- LONG HANDLE WIRE BRUSH (for arc welding)
- STANDARD TIP CLEANER (for oxyfuel cutting torch)
- FLINT STRIKER (for lighting oxyfuel cutting torch)
- 9" VISE GRIPS (buy only Vise-grip brand)
- 8" DIAGONAL CUTTING PLIERS
- SOAPSTONE (like chalk for marking on steel)
- #5 SHADED COMFORT CUTTING GOGGLES WITH FLIP FRONT LENS

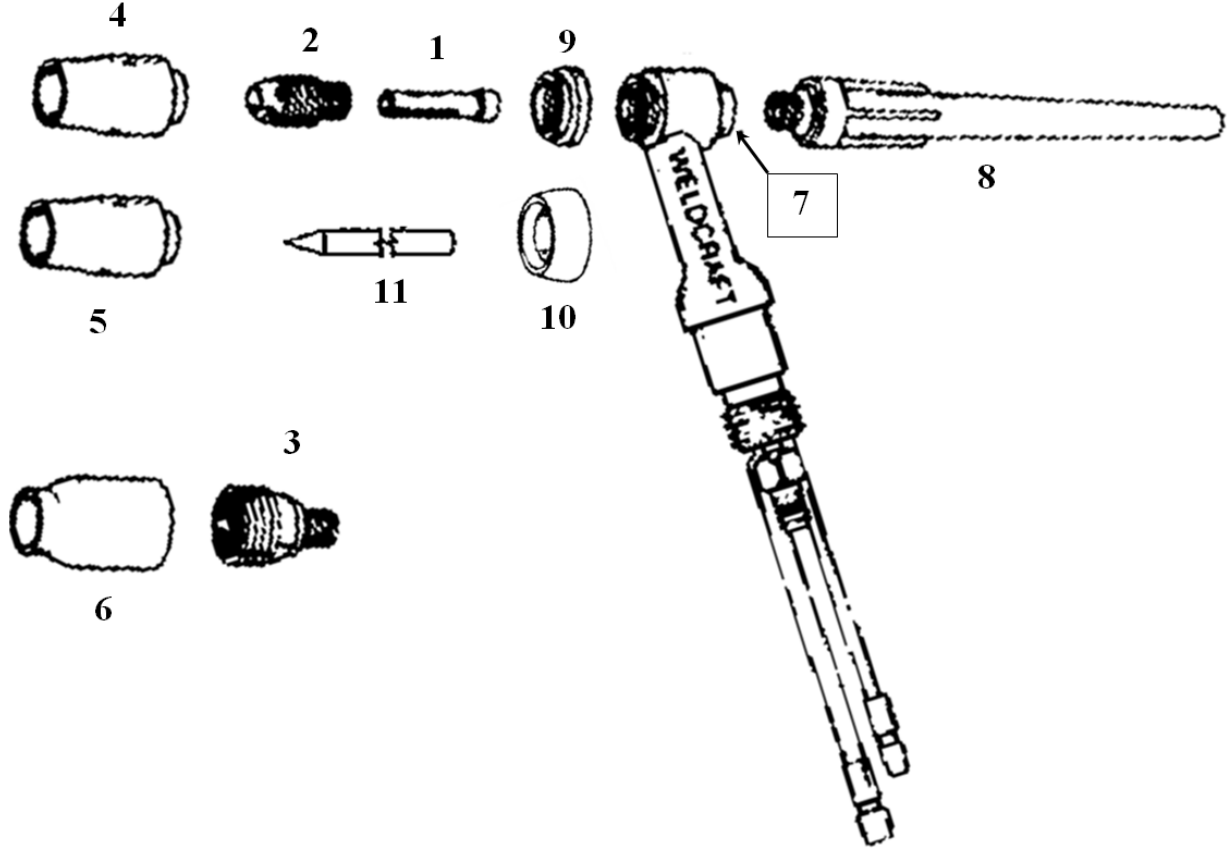
- GTAW WP 20 TORCH KIT: 3/32" TUNGSTEN, 3/32" COLLET, 3/32" COLLET BODY, # 6 CERAMIC CUP, 7" TIG TORCH END CAP, & WP 18 TORCH GASKET *(for the weld 100 class) *
- GTAW-TIG WELDING GLOVES*(for the weld 100 class) *
- APPROXIMATE COST = \$125.00

DELUXE WELD 100 & 120 STUDENT START UP PACKAGE

- CLEAR SAFETY GLASSES
- GAUNTLET STYLE ARC WELDING GLOVES
- LEATHER CAPE SLEEVES W/BIB OR LEATHER WELDING JACKET
- AUTO DARKENING WELDING HELMET
- 100% COTTON WELD CAP
- WOODEN HANDLE SLAG CHIPPING HAMMER
- 1" STAINLESS STEEL TOOTH BRUSHES (3pcs.)
- LONG HANDLE WIRE BRUSH
- STANDARD TIP CLEANER (for oxyfuel cutting torch)
- FLINT STRIKER (for lighting oxyfuel cutting torch)
- 9" VISE GRIPS (buy only Vise-grip brand)
- 8" DIAGONAL CUTTING PLIERS
- SOAPSTONE (like chalk for marking on steel)
- #5 SHADED COMFORT CUTTING GOGGLES WITH FLIP FRONT LENS
- GTAW WP 20 TORCH KIT: 3/32" TUNGSTEN, 3/32" COLLET, 3/32" COLLET BODY, # 6 CERAMIC CUP, 7" TIG TORCH END CAP, & WP 18 TORCH GASKET
- 45V43 GAS LENS FOR 1/16" TUNGSTEN
- GTAW - TIG WELDING GLOVES
- APPROXIMATE COST = \$205.00

HIGHLY RECOMMENDED TO PURCHASE AN SMAW ELECTRODE HOLDER/STINGER WHIP COMBO, AVAILABLE THROUGH MPB EQUIPMENT – WELDING SUPPLIES & INDUSTRIAL GASES

GTAW TORCH PARTS FOR WP-20 MODEL



- | | |
|--|---|
| 1. 3/32" Collet. | Part #: 13N23 |
| 2. 3/32" Collet Body. | Part #: 13N28 |
| 3. #5 Alumina Nozzle. | Part #: 13N09 (Pink Ceramic Cup) |
| 4. Back Cap insert | Part #: 9-4 |
| 5. Long Back Cap | Part #: 41V24 |
| 6. WP-20 Cup Gasket. | Part #: 598882 |
| 7. WP-18 Cup Gasket. | Part #: 18CG |
| 8. Tungsten Electrode | (No part # for tungsten) (Need Blue or Gold Tungsten) |
| 9. The tungsten size needed for CCC classes is size 3/32" | |
| 10. The type of tungsten needed for CCC classes is a 2% Lanthanated Blue Tungsten. | |
| OR | |
| 11. The type of tungsten needed for CCC classes is a 1.5% Lanthanated Gold Tungsten. | |
| 12. The type of torches used at Cerritos College are: WP-20. | |

Note: Students do not need to buy a WP 20 torch body. All GTAW welding machines at CCC have permanently hard-wired torches attached to the Miller Dynasty GTAW Welding Machines.

Cerritos College Welding Department, GTAW WP Series 20

Diameter	0.020 (.5mm)	0.040 (1.0mm)	1/16" (1.6mm)	3/32" (2.4mm)	1/8" (3.2mm)		
Collet (13v)	13N20	13N21	13N22	13N23	13N24		
Collet Body (13n)	13N25	13N26	13N27	13N28	13N29		
Gas Lenses (45v)	45V41	45V42	45V43	45V44	45V45		
Alumina Nozzle Size (cup)	Inches	Millimeters	1 5/32"	1 7/8" long	2 1/2" x-long	3 35/64" xx-long	1" (gas lens)
3	3/16"	4	13N08-3	796F70 (3L)	796F74 (3XL)		
4	1/4"	6	13N08	796F71 (4L)	796F75 (4XL)	796F79	53N58
5	5/16"	8	13N09	796F72 (5L)	796F76 (5XL)		53N59
6	3/8"	10	13N10	796F73 (6L)	796F77 (6XL)		53N60
7	7/16"	11	13N11				53N61
8	1/2"	12.5	13N12				53N61S
10	5/8"	16	13N13				
12	3/4"	19					
15	15/16"	24					
Back-Cap			Insulator				
Long	41V24		WP20	598882			
Medium	41V35		WP18	18CG			
Short	41V33		Back-Cap 20	9-4			
O-ring	98W77						

Supply websites for consideration

- **Weldingcity.com**
- Cyberweld.com
- Netwelder.com

Note: ALL Bold part identification codes are minimum requirements for GTAW classes

Quantity: one of each.