

XR-Aluma-Pro™ CB

Gooseneck-Style Push-Pull Torches

Automated MIG Torches
for Aluminum Welding



QUICK SPECS

Heavy Industrial Applications

| | |
|-----------------------|--------------|
| Emergency vehicles | Shipbuilding |
| Recreational vehicles | Tool boxes |
| Trucks and trailers | Railcars |
| Heat exchangers | Fabrication |
| Sign manufacturers | |

Processes

MIG (GMAW)
Pulsed MIG (GMAW-P) with pulsing power source

Wire Types

Aluminum
Stainless steel
Cored (gas-shielded)

Rated Output at 100% Duty Cycle

XR-Aluma-Pro CB (air-cooled): 300 A
XR-W Aluma-Pro CB (water-cooled): 400 A

Designed for cobot welding applications paired with the Auto Deltaweld™.



The XR-Aluma-Pro CB torch is available in air- or water-cooled versions with a 15-foot (4.6 m) cable length.

Aluminum-series-specific tension settings ensure smooth wire feeding performance with 4000 or 5000 series aluminum wires.

Industrial-quality cable. Torch cable failure is expensive, not only in creating downtime, but also in the cost of repairing the torch. XR-Aluma-Pro CB torches have a durable cable covering and strain relief to withstand industrial environments and resist damage, reducing downtime and costs.

Replaceable feed cable liner is designed to provide consistent arc performance. It also reduces parts cost and service time by allowing a simple means of removing and replacing liner and not the complete feed cable.

Serviceability. XR-Aluma-Pro CB torches feature a cable cover with full-length hook-and-loop closure and integrated strain reliefs for easy cable maintenance and protection. The torch also features quick connectors between the control cable and electrical components.

Isolated, common, knurled drive roll helps reduce wear, reducing downtime and cost. Torch feeds .030–3/64 inch right out of the box without need for separate drive rolls. Kit **003049** is required to run 1/16-inch (1.6 mm) wire.

Easy access to drive assembly and removable head tube reduces service time. Pressure release lever allows drive rolls to be held open for wire changeover.



Torches are warrantied for one year, parts and labor.



Miller Electric Mfg. LLC
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA

Equipment Sales US and Canada
Phone: 866-931-9730
International Phone: 920-735-4554

MillerWelds.com
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Specifications (Subject to change without notice.)



| MODEL | WELDING CURRENT RATING | WIRE FEED SPEED | WIRE TYPE AND DIAMETER CAPACITY | DIMENSIONS | NET WEIGHT (TORCH ONLY) |
|-----------------------------------|--------------------------|------------------------------|---------------------------------------|---|-------------------------|
| XR-Aluma-Pro™ CB (air-cooled) | 300 A at 100% duty cycle | 70–780 ipm (1.8–19.8 m/min.) | Aluminum*: .030–1/16 in. (0.8–1.6 mm) | H: 5 in. (127 mm) W: 2.5 in. (64 mm) D: 17 in. (432 mm) | 2.5 lb. (1.1 kg) |
| XR-W Aluma-Pro™ CB (water-cooled) | 400 A at 100% duty cycle | | | | 2.9 lb. (1.3 kg) |

*Wire kit **003049** required to run 1/16-inch (1.6 mm) wire.

Consumables

| ALUMINUM WIRE SIZE | DRIVE ROLLS | IDLER ROLLS | INLET GUIDES | LINER FOR AIR- OR WATER-COOLED HEAD TUBE |
|--------------------|---------------|---------------|---------------|--|
| .030 in. (0.8 mm) | 227434 | 227439 | 227408 | M1856 |
| .035 in. (0.9 mm) | 227434 | 227439 | 227408 | M1856 |
| .040 in. (1.0 mm) | 227434 | 227439 | 227408 | M1856 |
| 3/64 in. (1.2 mm) | 227434 | 227439 | 227408 | M1749 |
| 1/16 in. (1.6 mm) | 227434 | 230710 | 230711 | M1749 |

Insulator 4323R

Outer Insulator

M1748-4 Air-cooled

M1833-4 Water-cooled

Diffuser D-ATSH

Aluminum-Specific T Series Contact Tips

T-A035AL .035 in. (0.9 mm)

T-A047AL .047 in. (1.2 mm)

T-A062AL 1/16 in. (1.6 mm)

AccuLock™ Nozzle

401-6-62 Copper, 5/8 in. I.D., 1/8 in. tip recess

Cable Liner

229887 15 ft. (4.6 m)

Ordering Information

| EQUIPMENT | STOCK NO. | DESCRIPTION | QTY. | PRICE |
|--|---------------|---|------|-------|
| XR-Aluma-Pro™ CB Torch (Air-Cooled) | 301889 | 15 ft. (4.6 m) cable | | |
| XR-W Aluma-Pro™ CB Torch (Water-Cooled) | 301912 | 15 ft. (4.6 m) cable | | |
| Cobot Mounting Kits | | | | |
| XR-Aluma-Pro CB Kits (Air-Cooled) | 402365 | Torch mounting arm and insulating disk compatible with universal cobots (UR5, UR5e, UR10, UR10e, UR16, UR16e) and FANUC cobots (CRX-5iA, CRX-10iA, CRK-10iA/L, CRX-20iA/L, CRX-25-iA) | | |
| | 402366 | Torch mounting arm and insulating disk compatible with FANUC cobots (CR-4iA, CR-7iA, CR-7iA/L, CR-14iA/L, CR-15iA, CR-35iA) | | |
| | 402367 | Torch mounting arm and insulating disk compatible with Yaskawa Motoman (HC10DT-XP) | | |
| XR-W Aluma-Pro CB Kits (Water-Cooled) | 402368 | Torch mounting arm and insulating disk compatible with universal cobots (UR5, UR5e, UR10, UR10e, UR16, UR16e) and FANUC cobots (CRX-5iA, CRX-10iA, CRK-10iA/L, CRX-20iA/L, CRX-25-iA) | | |
| | 402369 | Torch mounting arm and insulating disk compatible with FANUC cobots (CR-4iA, CR-7iA, CR-7iA/L, CR-14iA/L, CR-15iA, CR-35iA) | | |
| | 402370 | Torch mounting arm and insulating disk compatible with Yaskawa Motoman (HC10DT-XP) | | |
| Consumables and Accessories | | | | |
| Consumables | | See above | | |
| Teflon® Liner Cutter | 258863 | | | |
| Cable Cover | M1681 | For 15 ft. (4.6 m) cable. Protects torch hose and cable assembly from wear and abrasion. Features full-length hook-and-loop closure for ease of maintenance or replacement | | |
| 1/16-Inch (1.6 mm) Wire Kit | 003409 | Required when running 1/16-inch wire | | |

DATE:

TOTAL QUOTED PRICE:

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