AMERICAN WELDQUIP

300A, 400A AND 500AMP

AIR-COOLED SMOKE EXTRACTION SEMI-AUTOMATIC TORCHES

Model 407SM Shown

The* American Weldquip *air-cooled smoke extraction MIG welding torches can provide your welders and your company

- ***Improved work environment***
- ***Reduced operator fatigue***
- ***Increased consumable life***
- ***Reduced downtime***
- ***Lower maintenance costs***

The smoke series American Weldquip semi-automatic torches offer unsurpassed performance not found in competitive brands. High quality materials and workmanship go into each American Weldquip torch. Designed and engineered for fewer repairs, lower maintenance costs and increased consumable life insure a lower cost of ownership.

The American Weldquip smoke extraction torches are available in 300, 400, and 500 amp models and are designed for superior weld smoke removal. All models are air-cooled, lightweight, durable, well balanced, and flexible. They effectively remove 90% of smoke at the weld zone.

Designed around our robust air-cooled torch line the 347, 407, and 507 offer some of the most desired welder appeal features. From the ergonomic handle design, rotating vacuum hose connection, and adjustable vacuum control, to the lightweight and balanced feel, the design optimizes welder comfort.

The 347, 407, and 507 are designed with you and your welders in mind, to reduce your cost of ownership over other competitive smoke extraction guns on the market today.

The WELDQUIP ADVANTAGE

"HEAT SINK" Gooseneck Technology – The rugged gooseneck design effectively dissipates heat by providing a continuous metal to metal path from the nozzle to the front of the handle. The entire length of the outer jacket functions as a radiator pulling the heat from the front end consumables. The unique designs of the gooseneck, nozzle, diffuser, and contact tip function as a team to keep the front end consumables running cooler to insure longer life.

Durability – Heavy-walled armored gooseneck, flexible crush & heat resistant vacuum with 3 ft. leather from front handle, heavy duty consumables, thread on nozzles, cut, burn, abrasion resistant cable outer jacket. All are durable features that will reduce downtime and maintenance issues.

Thread-On Nozzle – The heavy walled, nickel plated nozzles thread directly on the gooseneck to provide cooler operation and a longer lasting nozzle system. The course thread, fixed position design feature insures a constant tip to nozzles relationship and consistent welding parameters.

Contact Tips – Heavy-duty, course threaded contact tips are designed to provide extended life and insure a superior electrical connection to the tip holder/diffuser.

Common Consumables– Most American Weldquip torches are designed to utilize the same consumables to help reduce your inventory of consumable parts.

Coaxial Power Cable - Manufactured to exacting American Weldquip specifications, our cable assembly is made from cut resistant, burn resistant, lightweight materials. The power cable features heavy duty factory crimped cable end fittings to insure a secure, positive electrical connection, producing less electrical resistance and less heat.

Direct Wire Feeder Plug In – Wide variety of standard direct plug wire feeder pins allow guns to be configured for use on most wire feed systems. Euro, ESAB, Miller, Lincoln, OTC, Panasonic (to mention a few) are all possible direct connect configurations that can be ordered standard.

Liner System – Available in a variety of sizes and configurations to fit every wire type application.

ADJUSTABLE FUME NOZZLE

For adjustable front-end control over smoke collection area.

ADJUSTABLE VENT CONTROL

Adjustable vacuum suction/air flow volume for precise control of fume collection effects.

ERGONOMIC HANDLE DESIGN

Durable break resistant material. Offers optimum balance for less fatigue. Rotating vacuum hose connection for reduced rotational resistance designed to improve operator comfort.

TORCH RATINGS

MODEL	AMPERAGE	100% DUTY CYCLE		60% DUTY CYCLE	
		CO2	Mixed Gas	CO2	Mixed Gas
347SM	300	300A	250A	325A	300A
407SM	400	400A	325A	450A	400A
500SM	500	500A	425A	575A	500A

TORCH STANDARD CONFIGURATION CHART

GUN SERIES	DESCRIPTION	STD TIP SIZE	TIP PART #	DIFFUSER	NOZZLE BORE SIZE	NOZZLE PART #	INSULATING WASHER	LINER	GOOSENECK ANGLE
347SM	300 A Smoke Torch	.045(1.2mm)-M6	75045511	75002007	5/8”(15.9mm)	75146204-I	75001005	750XX222T	60°
407SM	400 A Smoke Torch	.045(1.2mm)-M8	75045014	75004033	5/8”(15.9mm)	75146202	75001004	750XX228T	60°
500SM	500 A Smoke Torch	.045(1.2mm)-M8	75045014	75004033	5/8”(15.9mm)	75146202	75001004	750XX228T	60°

HOW TO ORDER

407SM — **GUN SERIES**

15 — **LENGTH**

T5 — **WIRE FEEDER PLUG**

** Specify wire size and or special configuration when ordering if not standard

WIRE FEEDER CONNECTION OPTIONS

B - EURO
C - CENTURY®/POWCON®
CL - CLOOS®
D - OTC®/DAIHEN®
DP - OTC®/DAIHEN® DP SERIES
H5 - HOBART® #5
K - KOBELCO®
L - LINCOLN® (LN7 STYLE)
LT - L-TEC® 225
M - MILLER®
O - OXO®
P - PANASONIC®
T - TWECO®/HOBART® #4
TL - LINCOLN® POWER FEED 10
T5 - TWECO® #5
W - LINCOLN® WIREMATIC