

## Sea Torch® "Combination Torch"

Underwater Cutting Torch & Welding Torch

### Features & Benefits

#### ONE PIECE BODY CONSTRUCTION

- Fully insulated electrically for safety in normal operation
- Prohibits oxygen leakage in the torch body
- Bright orange for high visibility to the diver

#### COMBINATION TORCH

- Torch can be used for oxygen-arc cutting
- Underwater welding

#### TAPERED COLLET BODY

- Brings the bare surface of an electrode into contact for the entire length of the collet
- Solid grip and increased contact area decreases the risk of arcing between the collet and electrode

#### EQUIPPED WITH A SPARK ARRESTOR

- Spark arrestor located behind the collet for safe operation
- Ball check valve in the torch handle gives additional protection

#### SPECIFICATIONS:

- Equipped with 10 ft (3 m) Power Cable
- Length: 8-3/4" (22.2 cm)
- Weight: 4.5 lbs (2.04 kg) with cable



Part No.	Description
14-050-124	Sea Torch 5/16" (7.9 mm) Cutting Collet
14-050-126	Sea Torch 3/8" (9.5 mm) Cutting Collet



## Arcair Underwater

CUTTING & WELDING

## Underwater Cutting Electrodes

### Features & Benefits

#### OXYGEN-ARC AND EXOTHERMIC CUTTING ELECTRODES

- Oxygen-arc cutting electrodes requires current to be present during the cutting process
- Exothermic cutting electrodes only require current to ignite the electrode and once ignited the rod will continue to burn as long as there is oxygen flowing

#### WATER-PROOF COATING

- All cutting electrodes are coated with a water-proof coating



### SEA-CUT® Cutting Electrodes

"Oxygen-Arc Process" (50 per carton)

Part No.	Diameter	Length
42-059-007	5/16" (7.9 mm) - .113" ID (2.9 mm)	14" (45.7 cm)



### TUFF-COTE® Cutting Electrodes Flux Coated

"Oxygen-Arc Process" (50 per carton)

Part No.	Diameter	Length
42-059-008	5/16" (7.9 mm) - .113" ID (2.9 mm)	14" (45.7 cm)



### SEA-JET® Cutting Electrodes

"Exothermic Process" (50 per carton)

Part No.	Diameter	Length
42-066-006	3/8" (9.5 mm)	18" (45.7 cm)



### SEA-DRAGON™ Cutting Electrodes

"Exothermic Process" (50 per carton)

Part No.	Diameter	Length
42-075-005	3/8" (9.5 mm)	18" (45.7 cm)



### Sea-Stinger® II Torch

Underwater Welding Torch



#### Features & Benefits

##### LIGHTWEIGHT AND DURABLE

- Proven design that gives the diver-welder an easy to use electrode holder
- Repairable replaceable cable and internal parts extend its service life

##### ACCEPTS SEVERAL DIFFERENT DIAMETER OF WELDING ELECTRODES

- 1/8" (3.2 mm), 5/32" (4.0 mm) and 3/16" (4.8 mm) welding electrodes

##### SPECIFICATIONS:

- Equipped with 10 ft (3 m) Power Cable
- Length: 6" (15.24 cm)
- Weight: 3.65 lbs (1.66 kg) with cable

Part. No.	Description
14-050-128	Sea-Stinger II Torch

### Underwater Welding Electrodes

#### Features & Benefits

##### EXCELLENT BEAD CONTOUR

- All position, flux coated SMAW electrode

##### FILLET WELDS ARE FLAT WITH GOOD BASE METAL WETTING

- Helps keep undercut to a minimum

##### EASY SLAG REMOVAL

- Keeps chipping and grinding to a minimum
- Lower risk of slag inclusions

##### PRODUCED WELDS WHICH PASS BEND AND X-RAY REQUIREMENTS

- As defined by the AWS D3.6 specification for underwater welding



#### Sea-Weld® Welding Electrodes

(50 per carton)

Part No.	Electrode Size	Current amps	Burn Off Time (SEC)
42-024-002	1/8" (3.2 mm) x 14" (35.6 cm)	150 - 180	40 - 46
42-984-004	5/32" (4.0 mm) x 14" (35.6 cm)	170 - 210	44 - 56
42-034-007	3/16" (4.8 mm) x 14" (35.6 cm)	190 - 230	59 - 66

Note: Burn off time based on 12" (305 mm)

### Arcwater® II Torch

Underwater Gouging Torch

#### Features & Benefits

##### DESIGNED FOR UNDERWATER GOUGING OPERATIONS

- Similar to gouging above water with the exception of using a high velocity of pressurized water in place of compressed air
- Uses sea water at 90 psi (6.32 kg/cm<sup>2</sup> or 620 kPa) over the pressure at the depth of use
- Minimum water flow rate of 3.5 gallons (13.25 liters) per minute required

##### OXYGEN FREE

- Eliminates the risk of hydrogen gas pocket explosions

##### EASY TO USE

- Handle can be used left or right handed divers
- Used out-of position

##### CONVERTS INTO A WELDING TORCH EASILY

- Simply change out the collet to except welding electrodes

##### SPECIFICATIONS:

- Equipped with 10 ft (3 m) Power Cable
- Length: 9-3/4" (22.2 cm)
- Weight: 5.5 lbs (2.5 kg)



UNDERWATER

Part. No.	Description
14-050-127	Arcwater II Torch

### Underwater Gouging Electrodes



#### Arcwater® Gouging Electrodes

(50 Per carton)

Part No.	Diameter	Amperage	Length
42-059-006	5/16" (7.9 mm)	350 - 450	9" (22.9 cm)