

AQUA WELDER

- Portable low pressure Oxy-Hydrogen gas flame welder.
- Aqua Welder uses electrical power at 220-240 volts / 5Amps 50HZ AC, to generate Oxygen and Hydrogen gases at low pressure by electrolysis of water.
- Generated Oxygen and Hydrogen gases are mixed and are burnt immediately at the end of the output torch to produce a clean, high temperature, adjustable flame suitable for a large range of Industrial applications.

THE HIGH TEMPERATURE GAS FLAME SOURCE PROVIDES OUTSTANDING ADVANTAGES

- Total Elimination of Explosive Hazard.
- Self Contained operation as no stored gases are required.
- Compact Portable unit (Works on 220-240V. Single Phase AC supply.)
- Non-Toxic Flame, Water vapour is the only by-product.
- Versatility - Either reducing or oxidizing adjustable flame.
- Simple Requirements - Only distilled water for oxidizing flame. Water and Methyl Alcohol for reducing flame.



SALIENT FEATURES AND ADVANTAGES OF AQUA WELDER

- Choice of Oxidising or reducing flame.
- Adjustable flame size.
- Low gas pressure
- Non-Toxic Flame
- No Explosion Hazard
- Gas Cylinders are not required.

STANDARD SUPPLIES WITH EACH AQUA WELDER

- Gas Generator - Wired for 220-240V/50HZ AC mains
- Electrolyte (first filling) 3.5ltrs.
- Electrolyte level gauge.
- Respirator
- Methyl Alcohol 300cc (for use with respirator)
- Torch
- Plastic Tubes for gas flow (1mtr x 2nos)
- Set of needles (4 different sets)
- Funnel
- Torch stand
- Trolley

OPTIONAL ACCESSORIES

- Extra Plastic Tubes
- Set of Extra Needles
- Electrolyte level gauge.
- Extra Torch
- Spare Cooling Fan

Power Consumption

Model AW 600 - 600VA max.

Model ANN 1200 - 1200VA max.

Note: For an Oxidising flame respirator is not required. For a reducing flame it is necessary to insert a Respirator between the gas Generator & Torch.

APPLICATIONS

Flame with above prominent features is really a versatile flame. Its versatility can be appreciated from the list of industrial applications to which the flame can be adapted with ease.

- Welding, Brazing & Soldering of
 - (a) Wire to wire
 - (b) Sheet to sheet
 - (c) wire to sheet
 - (d) wire to terminals of similar or dissimilar metals.
- Glass & Plastic working
- Laboratory Glassware
- Electronics & Electrical Instruments
- Jewellery Manufacture.
- Lead burning in battery manufacture
- surface Hardening, annealing
- Quartz working
- A general heat source
- Metal cutting (thin sheet)
- Hole drilling (thin sheet)

Aw-600
Small Capacity
Model

Aw-1200
Medium Capacity
Model