

# Welding Stainless Steel Pipe for Water Treatment Systems

## Application:

- Water pipes

## Material:

- Stainless steel

## Welding Equipment:

### *Power Supply:*

- **Model 207A**

### *Weld Head:*

- **Model 8-4000**

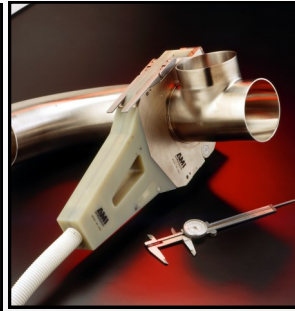
## Benefits:

- ✓ **Increased productivity to manual welding**
- ✓ **Improved quality**
- ✓ **Reduced costs comparable to PVC**

For further information, call  
AMI at 1-818-896-9556 or e-mail  
[sales@arcmachines.com](mailto:sales@arcmachines.com)



Model 207A with water cooling unit



Model 8-4000



AWT skid showing orbitally welded stainless steel tubing

American Water Technology, Inc. (AWT) provides water treatment packages to smaller, rural water districts that are overlooked by large providers. In order to be competitive, and to meet tightened treatment specifications by regulatory agencies, AWT decided to integrate stainless steel into their systems in place of PVC or COVC.

AWT's decision to use stainless steel was based on their need for less maintenance, reduced production times, extended service life and sanitary compliance requirements. However, using manual welding took longer than previous fabrications and so, to improve production efficiency, they decided to use orbital welding equipment from Arc Machines, Inc.

AWT purchased a **Model 207A** power supply with a **Model 8-4000** weld head. The repeatability of the orbital welding allows AWT to make interchangeable components ahead of time and the portability of 207A power supply allows them to do onsite modifications and repairs.

AWT's products now have orbitally welded stainless steel assemblies, and 90% of their systems are built using stainless steel tube. Upgrading both materials and fabrication technology has reduced the company's manufacturing costs, shortened their production schedules, and improved the overall quality of their systems.

To read the full story, visit [www.arcmachines.com](http://www.arcmachines.com)



**Advanced Products, Systems & Solutions**

**AMI**  
**ARC MACHINES, INC.®**

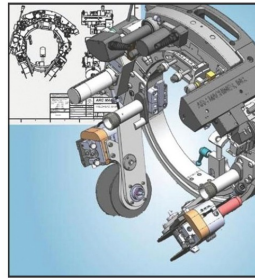
# LEADERS & INNOVATORS in Automated Orbital Welding



Cutting Edge Narrow-Groove  
Pipe Welding Technology



Advanced Fusion Welding  
and Process Control



High-Tech Designs &  
Engineering Services



Turnkey Integrated Systems

## Advanced Products, Systems & Solutions



With over 3000 customer relationships in over 50 countries, Arc Machines, Inc. has set the standard for Automated Orbital Welding Equipment for over 30 years, combining Quality and Durability with Innovative Engineering and Design.

Around the world, leading manufacturers and contractors rely on AMI for their expertise in automated orbital welding and to develop customized solutions for new welding challenges.

[www.arcmachines.com](http://www.arcmachines.com)

# AMI

**ARC MACHINES, INC.®**

Arc Machines, Inc.  
10500 Orbital Way  
Pacoima, CA 91331 U.S.A.  
(818) 896-9556  
fax (818) 890-3724  
sales@arcmachines.com

### M207A Power Supply

## QUICK SPECS

#### Input Power

100 - 240 VAC service  
Single-phase  
50/60 Hz

#### Weld Current

3 - 100/150 A DCSP  
100% Duty Cycle @ 150 A

#### I/O Device

M-207EMM

#### Memory Capacity

Up to 100 weld schedules,  
Up to 100 levels per schedule

#### Water Cooler

Optional

#### Dimensions

11" x 22.75" x 18.75"  
(280 mm x 578 mm x 476 mm)

#### Weight

79 lbs.  
(36 kg)



### M8-4000 Weld Head

#### OD Range

0.25" - 4.00"  
(6,35 mm - 101,6 mm)

#### Travel Motor

D.C., P.M., D.C., Tachometer

#### Head Weight

10 lbs.  
(4,5 kg)

#### Electrode Size

1/16" and 3/32"  
(1,6 mm and 2,3 mm)

#### Rotor RPM

0.1 - 10.0

#### Cable Length

25 ft. (7,6 m) when connected to adapter cable

- Water cooling is recommended
- Compatible with all Arc Machines' Power Supplies