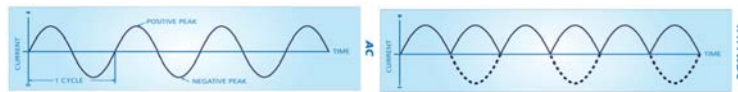


## AD-2045 WET HORIZONTAL UNIT



### GENERAL DESCRIPTION

The Magnaflux® AD-2045 is one of our most economical standard wet bench units. It offers great particle mobility for finding surface and sub-surface defects, and the versatility of using AC or FWDC magnetization. The two outputs are independently adjustable to set each magnetic field, circular or longitudinal.

### BENEFITS

- Versatility of using AC (surface defects) or FWDC (sub-surface defects)
- Shot time can be adjusted to meet different inspection requirements or needs
- Footswitch to free-up hands for inspection

### EXTERIOR

- Innovative pump system for fluid delivery, agitation with easy maintenance access
- Push bar design for easy activation
- Current assurance indicator for magnetic current flow
- Large, easy to read Digital Ammeter
- Independent Contact and Coil Current Controls
- 12 inch (30 cm) diameter coil
- Footswitch-activated pneumatic headstock
- Adjustable tailstock with crank
- Stainless steel tank
- Front and rear maple hardwood grilles

## INTERIOR

- Microprocessor control advanced technology; reduce components and increase reliability
- Solid state circuitry
- Liquid Resistant panels, allow ventilation while inhibiting fluid intrusion

## SPECIFICATIONS

- 4000 amp AC/5000 amp FWDC magnetizing current capability at contacts
- One Touch Decaying AC Demagnetization
- Duty Cycle 0.5 seconds on, 10 Seconds off (5% with Maximum of 5 seconds)
- 54 inch (137 cm) headstock/tailstock capacity
- Infinitely variable current control
- Available Voltages: 230, 380, 415, 460, 575, 50 or 60 hertz, single phase power
- Recommended 20 Gallon (75 Liter) Tank Fluid Capacity
- Minimum 40 PSI with 5 CFM capability
- 89" (224 cm) x 41" (104 cm) Foot Print, allow 24"(61 cm) per side for ventilation

## OPTIONAL FEATURES

- 16" coil (41 cm) w/raising block up-grade (In lieu of 12" coil)
- 20" coil (51 cm) w/raising block up-grade (In lieu of 12" coil)
- 19.5" inch (50 cm) clam-shell coil (3-turn) w/raising block up-grade (In lieu of 12" coil)
- Reinforced Rail for Heavier Part Load - 4,000 lbs. (1815kg) part capacity
- Oversized Contact Assembly (12"x 12") for headstock & tailstock
- Rotating Contacts (70 lb. part capacity) (Minimum 16" coil required)
- NRTL Certification to CSA C22.2 No. 61010-1
- Dual Palm Button
- Configure Unit for 102" Part
  - Recommended 32 Gallon (122 Liter) Tank Fluid Capacity
  - 136" (346 cm) x 41" (104 cm) Foot Print, allow 24" (61 cm) per side for ventilation
- Configure Unit for 146" Part
  - Recommended 55 Gallon (209 Liter) Tank Fluid Capacity
  - 80" (458 cm) x 41" (104 cm) Foot Print, allow 24" (61 cm) per side for ventilation

## MATERIALS START UP KIT

### Please Choose Water Bath or Oil Bath Start-Up Kit

- Centrifuge Tube, 100 ml, 0-1.0 ml in 0.05 ml increments (Part Number 8493)
- Centrifuge Tube Aluminum Stand (Part Number 1837A)
- Field Indicator (Part Number 2480)
- Two Double-Braided Copper Pads with V- Blocks (Part Number 18948)
- Pie Field Indicator (Part Number 169799)
- UV Filtering Safety Glasses - non tinted (Part Number 506249)

### For Oil Baths (Part Number 621452)

- Carrier II oil vehicle, 55 gallon drum
- 14A wet method magnetic particles, 1 lb. bottle

**For Water Baths (Part Number 621453)**

- 14A Redi-Bath, 6 - 27 oz. bottles for Water Baths

<b>UNIT COMPARISON CHART</b>	
<b>AD-2045</b>	
4,000 amps AC or 5,000 amps FWDC - 54" (137 cm) 2 Outputs - Contacts, 12" ID Coil Voltages Available (230V or Higher) Standard Coil May be Substituted for 16" or 20" ID Coil	
<b>ADH-2045</b>	
4,000 amps AC or 5,000 amps HWDC - 54" (137 cm) 2 Outputs - Contacts, 12" ID Coil Voltages Available (230V or Higher) Standard Coil May be Substituted for 16" or 20" ID Coil	
<b>A-2030</b>	
3,000 amp AC - 54" (137 cm) 2 Outputs - Contacts, 12" ID Coil Voltages Available (230V or Higher) Standard Coil May be Substituted for 16" or 20" ID Coil	

<b>SIZE COMPARISON CHART</b>				
UNIT SIZE	PART LENGTH	CAPACITY	DIMENSIONS	TANK CAPACITY
Standard	54 Inches	(137 cm)	89" x 41" x 61"	20 Gal (75L)
Long	102 Inches	(259 cm)	136" x 41" x 61"	32 Gal (122L)
Extra Long	146 Inches	(371 cm)	180" x 41" x 61"	55 Gal (209L)