

**SUPER  
POWERFUL  
PNEUMATIC  
SOLUTION**

THE REVOLUTIONARY

# SUPER-AP-1 AIR POWERED

FLUX RECOVERY SYSTEM

MIGHTY-MIGHT "SUPER-AUTO-PNEUMATIC"

REDUCE COST, CREATE A SAFER, HEALTHIER WORK ENVIRONMENT WITH THE INEXPENSIVE, RUGGED AND POWERFUL SUPER-AP-1 (EQUIVALENT TO MANY 3 H.P. ELECTRIC VACUUMS). MOUNTS EASILY ONTO MOST AUTOMATIC SUBMERGED ARC WELDING EQUIPMENT.

## IMPORTANT FEATURES:

- **Powerful Air Vacuum** (approximately twice as powerful as the standard AP-1 and equivalent to many 3 H.P. electric vacuums).
- **Adds no oil or water to the flux** and produces no damage to the recovered flux particles, since flux is never in the compressed air stream.
- **Vacuum air pump is on the exhaust side** and undesirable contaminants, fines, and dust are discharged into a very efficient dust bag assembly.
- **No moving parts** in air pump, and **no internal filters to wear out.**
- **Very efficient** air pump produces a higher vacuum, uses less air, and is quieter than most competitive air models.
- **Direct Recycling of Flux** back to lower hopper by depressing flux valve levers (one on each side of SUPER-AP-1).
- **Optional Automatic Flux Transfer Valve**, transfers flux to lower hopper without operator input. (Order SUPER-AP-1-E/P.)
- **Two Large Flux Sight Windows** (one on each side) indicate when operator must transfer flux to lower hopper by depressing flux valve lever.
- **Twice the Flux Capacity** of the standard AP-1.  
(NOTE: Lower hopper determines Total Flux Capacity system can hold!)

## SUPER-AP-1



## SPECIFICATIONS:

- **Weight (empty):** 30 lbs (13.6 Kg)
- **Dimensions:** 27" (68.6 cm) H x 9-3/4" (24.8 cm) W x 22-7/8" (58.1 cm) D
- **Power Input:** Compressed air 14 cfm (396 lpm) @ 70-100 psi (4.8-6.9 bar), 1/4" (6 mm) I.D. Airline minimum. No electrical input required.
- **System** comes complete with 5 ft. (1.27m) 1-1/2" (3.8 cm) flux recovery hose, NZ-1 flux pick-up nozzle, mounting brackets, dust bag, and sight window for OEM hopper... ready for installation!

**FOR ORDERING INFORMATION  
PLEASE CONTACT:**

**WELD**  
ENGINEERING CO., INC.

34 Fruit St.  
Shrewsbury, MA 01545 (U.S.A.)  
Telephone: (508) 842-2224  
Fax: (508) 842-3893  
Web Site: [www.weldengineering.com](http://www.weldengineering.com)  
Email: [sales@weldengineering.com](mailto:sales@weldengineering.com)

## OPTIONAL ACCESSORIES:

- **FHM-1:** Flux hose mounting bracket.
- **FHM-1-ADJ:** Adjustable flux hose mounting bracket.
- **NOZZLES:**  
NZ-1-4: 4" (10.2 cm) wide flux pick-up nozzle.  
NZ-1-CRN: Corner weld flux pick-up nozzle, sold as pair 1L 1R.  
NZ-1BUTT: Butt weld flux pick-up nozzle
- **PAS-1:** Portable flux hopper, easily converts automatic flux recovery system (SUPER-AP-1) into a portable recovery system. Includes 10ft. [2.54 m] of hose.
- **FP-1 Flux Port:** Enables adding new flux to Lincoln or Miller hopper without interrupting weld.
- **MAGSEP-1:** Magnetic separator.
- **Extra hose:** Available in 5 ft. (1.52 m) increments.
- **FH-1:** Flux hopper with flux filling port, approx. 35 lbs (15.8 kg) capacity, **SUPER-AP-1** mounts directly to this hopper.
- **HFH-1:** Same as **FH-1** except heated. 34-250°F (1-121°C) temperature range, **SUPER-AP-1** mounts directly to this hopper.
- **FH-1-60:** Flux hopper with flux filling port, approx. 60 lbs (27.2 kg) capacity, **SUPER-AP-1** mounts directly to this hopper.
- **HFH-1-60:** Same as **FH-1-60** except heated. 34-250°F (1-121°C) temperature range, **SUPER-AP-1** mounts directly to this hopper.
- **AV-4:** Electric air valve to remotely turn SUPER-AP-1 ON/OFF
- **AFV-32:** Automatic Flux Valve and Control
- **LAFV-32:** Replaces OEM Lincoln Hopper valve
- **MAFV-32:** Replaces OEM Miller Hopper valve  
(Please contact Weld Engineering for technical assistance.)