



INTRODUCING  
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!)

**SPECIFICATIONS:**

- **Weight (empty):** 30 lbs (13.6 Kg)
- **Dimensions:** 26.8" (68 cm) H x 8.5" (21.6 cm) W x 10.5" (26.7 cm) D
- **Power input:** compressed air 14 cfm @ 70-100 psi (use min. I.D. 1/2" hose); no electrical input.
- **Comes complete** with 5 ft. (1.27m) 1 1/2" flux recovery hose, NZ-1 flux pick-up nozzle, mounting brackets and lower hopper flux level indicators..... ready for installation!

**OPTIONAL ACCESSORIES:**

- FH-1
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- **FH-1 Flux Hopper.** Holds approx. 35 lbs/16 Kg of flux (Lincoln hopper holds 23 lbs /10 Kg). New flux is added through flux port without interrupting weld. SUPER-AP-1 mounts directly to FH-1. Note: Customer must provide separate mounting frame. Does not mount directly to welding head because of its weight.

New Flux added here (same in FH-1).

- HFH-1
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- **HFH-1 Heated Flux Hopper.** Same as FH-1 except heated with special 250 watt element which runs within the flux for uniform flux heating to 250°F (121°C) 115 and 220 Vac 1 PH /50-60 Hz is available.

- **Flux Hose Mounting Brackets:**
  - 1) FHM-1 enables linear hose adjustment.
  - 2) FHM-1ADJ enables linear and angular hose adjustment.

- **AFD-1** adjustable flux dam. Used to support flux on cylindrical weldments.
- **MADP-1** adapter plate for mounting to Miller hopper.
- **AV-4** electric on/off input air valve to remotely turn SUPER-AP-1 on and off.
- **NOZZLES:** NZ-1BUTT for butt welds, NZ-1CRN for left and right hand corners; sold as a pair (must use FHM-1ADJ hose bracket for NZ-1BUTT and NZ-1CRN) and NZ-1-4 four inch wide nozzle.
- **FP-1** flux port for adding flux to Lincoln or other mfr's flux hopper.
- **MAGSEP-1** magnetic separator.
- **AFV-2** automatic flux valve and control (use with FH-1, HFH-1 or hoppers without automatic flux valve).

**For ordering information please contact:**



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SUPER-AP-1 mounted on Lincoln automatic welding head hopper.

Lincoln hopper with (optional) FP-1 Flux Port and (standard) Flux Level Sight window installed.

FHM-1 or FHM-1ADJ flux hose mounting bracket (optional).