



"MANUFACTURERS OF THE MOST COMPLETE LINE  
OF FLUX HANDLING EQUIPMENT IN THE WORLD"

34 FRUIT STREET  
SHREWSBURY, MA 01545 (U.S.A.)  
TELEPHONE: (508) 842-2224  
FAX: (508) 842-3893  
WEBSITE:  
WWW.WELDENGINEERING.COM  
EMAIL:  
SALES@WELDENGINEERING.COM

## FIGURE HAMX-24

**FIG. HAMX-24**

HEATED AUTOMATIC MIXING FLUX HOPPER/SEPARATOR MM-1500X  
VACUUM WITH HAMX-50 (TYPICAL COMPONENT CONFIGURATION.)

OPTIONAL MOUNTING OF  
MM-1500X, MM-3000X,  
OR MM-5000X

CUSTOMER MUST  
PROVIDE MOUNTING  
BRACKETS FOR  
MM-1500X, MM-3000X  
OR MM-5000X

VFT-3000  
(SEE NOTE B)

SHOP AIR INPUT  
(APPROX. 1 CFM  
@ 70-100 PSI.  
W/ MIN. 1/4" I.D.)

TYPICAL FLOOR  
MOUNTING FOR  
MM-1500X, MM-3000X,  
OR MM-5000X

MM-1500X  
MM-3000X  
OR  
MM-5000X  
(VACUUM)

(MM-3000X AND MM-5000X SHOWN)

MANIPULATOR, GANTRY, OR  
OTHER EQUIPMENT MOUNTING

2" VACUUM HOSE

MAGSEP-1  
(MAGNETIC  
SEPARATOR)

AFV-2 CONTROL  
(AIR AND 120V  
AC REQUIRED)

CUSTOMER  
MUST SUPPLY  
MOUNTING  
BRACKETS

FHM-1 (FLUX HOSE MOUNTING  
BRACKET) OR FHM-1ADJ  
(ADJUSTABLE FLUX HOSE  
MOUNTING BRACKET)

HAMX-50 AUTOMATICALLY MIXES A PRESET RATIO  
OF NEW FLUX TO RECOVERED FLUX, KEEPS NEW AND  
RECOVERED FLUX HEATED TO 250°F AND DELIVERS  
THIS MIXTURE TO THE WELDING TORCH.

1 1/2" FLUX RECOVERY HOSE

AFV-2  
(AUTOMATIC  
FLUX VALVE)

NZ-1 (FLUX  
PICK-UP NOZZLE)

NOTE: AIR MUST BE PROVIDED. 70-100 PSI.  
MINIMUM 3/16" I.D. LINE REQUIRED. THIS  
OPERATES FLUX TRANSFER VALVE ONLY.  
VACUUM IS PROVIDED BY MIGHTY-MAC  
ELECTRIC VACUUM.

### SYSTEM ORDER LIST.

- 1@ MM-1500X, MM-3000X, OR MM-5000X (VACUUM)  
(220.380-415.460, 575 VOLTS/3PH/50 OR 60 HZ.)
- 1@ HAMX-50 (SEPARATOR)
- 1@ AFV2 (AUTOMATIC FLUX VALVE AND CONTROL)
- 1@ MAGSEP-1 (MAGNETIC SEPARATOR)
- 1@ FHM-1 OR FHM-1ADJ (HOSE MOUNTING  
BRACKET)
- 1@ NZ-1, NZ-1 BUTT, OR NZ-1 CRN (NOZZLE FOR  
FLUX PICK-UP)
- 1@ VFT-3000 (VACUUM CONTROL VALVE)
- 1@ 1 1/2" RECOVERY HOSE (5 FT. OR LONGER)
- 1@ 2" VACUUM HOSE (LENGTH DETERMINED  
BY SYSTEM. SEE NOTE A.)

### NOTE A: MIGHTY-MAC VACUUM SELECTION

MM-1500X FOR SINGLE AND TWIN WIRE, WITH 2" VACUUM HOSE UP TO 35 FT.  
MM-3000X FOR SINGLE, TWIN AND TANDEM WIRE, WITH 2" VACUUM HOSE UP TO 50 FT.  
MM-5000X FOR SINGLE, TWIN AND TANDEM WIRE, WITH 2" VACUUM HOSE UP TO 100 FT.

### NOTE B: VFT-3000

VFT-3000 ALLOWS VACUUM ADJUSTMENT.  
IF VACUUM IS REDUCED, FLUX PARTICLE  
SIZE DRAW BACK IS ALSO REDUCED.

BULLETIN: (PAGE 24) TB-MM708  
FILE: 24-HAMX~HAMX-50 TB-DRT 7-18-2008.CAD  
REVISED: MM15HMX.CAD (12-3-1996 TB-MM294)  
WELD ENGINEERING CO., INC.  
DRT 9-8-2008