



A-GRAM



AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

01-14

JUNE 2001

POWER HAWK P-16 RESCUE TOOL

The information provided in this A-Gram is compiled and intended for use by the Air Force civil engineer community. Although the names of privately owned companies may be listed, that listing in no way implies endorsement of any company or its products by the Department of Defense, the Air Force or AFCESA.

SYNOPSIS:

Power equipment currently used for extricating operations is powered by diesel or gasoline engines with hazardous fumes and high-pressure hydraulic lines. This equipment also is heavy, noisy, awkward, requires two people to carry, and requires special storage. Current equipment also requires daily maintenance to ensure it will operate when needed in rescue operations. These problems and limitations can be eliminated by incorporating use of the Power Hawk P-16 Rescue Tool.

APPLICATION TO CE:

The Power Hawk P-16 is a valuable rescue tool that has a place in Air Force fire protection. It is lighter and faster to set up and is significantly more maneuverable

than gasoline/hydraulic-driven rescue tools. This equipment could be used to supplement a hydraulic-operated unit, and it would provide the fire department with greater flexibility during a rescue operation. The Power Hawk P-16 could be used for light to medium rescue operations, with gasoline/hydraulic-driven rescue tools used for heavier rescue operations, such as aircraft incidents. At Air Force bases with a structural fire protection mission only, the Power Hawk P-16 could be used as the primary emergency rescue tool.

P-16 TESTING:

During testing of the Power Hawk by the Management Equipment Evaluation Program (MEEP) in 1998, it performed as advertised and offered several benefits. These included reduced weight, ease of use, portability, and simplicity of operation. Features of the P-16 include: rapid response, no setup, no hydraulics, no gasoline or engine fumes, a gearbox capable of rotating 70 degrees, quiet operation, low maintenance, ambidextrous controls, and color coding for enhanced safety and ease of operation. The P-16 requires no special stowage, so it can be

spreading force when the arm tips are together and increases proportionally to over 11,000 pounds as the arms open to 14 inches. It generates high-output forces in both opening and closing directions. The ability for one person to backpack the unit into remote areas is unique and gives firefighters similar equipment to extradite personnel from remote areas and outlying Fire and Auxiliary Fields. The time saved could be critical to a person trapped in a building, vehicle, aircraft, or elsewhere. No safety problems were encountered during the evaluation, and normal safety procedures were followed.

SOURCE:

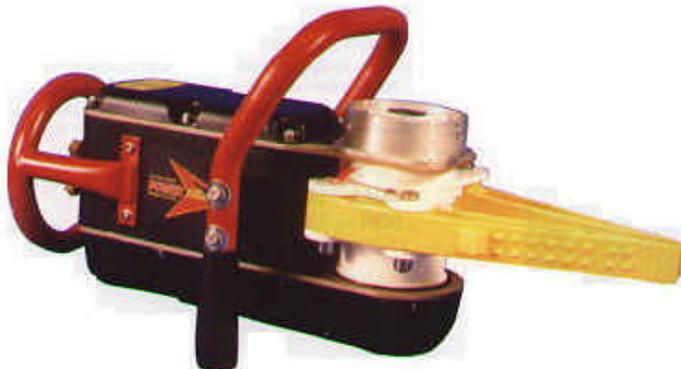
The Power Hawk P16 Rescue Tool is manufactured by Curtiss-Wright Systems Inc., 300 Fairfield NJ 07004-1962 (201) 244-2556. MEEP has requested the Power Hawk P-16 be incorporated into the applicable Allowance Source for fire department acquisition.

CONTACT:

Mr. Tommy Walker, Project Manager, DSN 872-4217, Ext 230; FAX: 872-3537/8557; E-mail: walkerm@eglin.af.mil.

Technical assistance on civil engineer MEEP projects can be obtained from:

MSgt Waldlena Schmidt
HQ AFCESA/CEOM
139 Barnes Drive Suite 1
Tyndall AFB FL 32403-5319
DSN 523-6378 FAX 283-6488
Comm (850) 283-6378
E-mail: Waldlena.Schmidt@tyndall.af.mil



transported easily in ambulance compartments and other types of vehicles.

The P-16 uses a 12-VDC power supply and can be directly connected to the vehicle's 12-volt system. The unit delivers 8,000 pounds of