M13 Decontamination Apparatus

SYSTEM DESCRIPTION
The 14 liter M13 Decontaminating Apparatus is used to spray DS2 decontaminating agent on contaminated vehicles and equipment to reduce the level of chemical toxic agents. The volume of DS2 decontaminating agent provided by one filling is normally sufficient to decontaminate vehicles or crew-served weapons to the minimum extent to make them safe and allow for their continued operations. The combination of brush and spray pump allows the user to decontaminate hard to reach surfaces, and remove thickened agent, mud, grease and other material. The M13 can decontaminate 1,200 square feet per fluid container. The complete apparatus consists of the fluid container (holding DS2), hose, manual pump, wand assembly, brush and accessory container for storage of all components.

SYSTEM FUNCTION
The Wand Assembly is capable of dispensing DS2 from the DAP. The pump efficiency allows for 35 strokes per minute at 10 foot of suction height which will empty the 14 liter container filled with DS2 decontamination agent. When the pump piston is depressed from the fully extended position, within 2 seconds, sufficient pressure is developed to maintain a pressure of at least 10 PSIG for a minimum of 30 seconds. The brush is made of synthetic filament H-S-951 polypropylene.

SPECIFICATIONS
Volume................................................................. 3.7 gal (14 liters) of DS2 decontaminating agent
Filled................................................................. 54 lb. (24.5 kg)
Empty................................................................. 24 lb. (10.9 kg)
Coverage per filling.............................................. 1,200 sq. ft. (112 sq m)
Operating temperature....................................... -25°F to 120°F (-31.7°C to 49°C)
Height................................................................. 18.75 in (47.63cm)
Width................................................................. 6.63 in (16.84cm)
Length............................................................... 14.00 in (35.5cm)