



**NSN 7310-01-507-9310**

## **MBU (MODERN BURNER UNIT)**

Selected by the US Army to replace the M2, the MBU requires no modifications to field kitchen appliances and meets all military performance specifications.

Because safety is a prime concern, the MBU burns low volatility fuels, has a non-pressurized fuel tank and an auto shutdown in the event of a flame out.

Designed for ease of use, the unit features "One Touch Starting". Refueling is simply a matter of connecting the fuel line and pressing the 'FUEL' button. There is no need to remove the unit from the appliance.

The MBU is supplied as a complete system which includes required power supply and components to support the following field feeding equipment:

- Mobile Kitchen Trailer (MKT) . . . . . NSN 7360-01-155-6020
- Kitchen, Company Level, Field Feeding (KCLFF-E) . . NSN 7360-01-374-9828
- Modular Field Kitchen (MFK) . . . . . NSN 7360-01-276-9817
- Field Sanitation Center (FSC) . . . . . NSN 7360-01-277-2558



**MBU System:**



Simple "slide-in" installation (MBU shown in an M59)

**Specifications:**

**Size:** . . . . . 19.0" wide x 9.75" high x 23" long

**Heat Output:** . . . . .

Setting	Heat Output (BTU/Hr)*	Operation Time
Ultra Low	12500	20 hours
High	55000	5 hours

\* Based on net heating value of JP-8

**Fuel Types:** Primary Fuel . . . . .JP-8  
 Other Fuels . . . . .#1 & #2 Diesel Fuel  
 DF1, DF2, DFA  
 Jet A, Jet A1

**Fuel Capacity:** . . . . .2.0 US Gallons

**Weight:** . . . . .Full: 60 lbs, Empty: 42 lbs

**Ambient Operating Temperature Range:** . . . . .-25°F to 125°F

**Power Consumption:** . . . . .275 Watts Maximum

**Nominal Operating Voltage:** . . . . .24 Volts DC

**Power Supply:** Power Converter . . .Input 110V AC, Output 24V DC supplies power for up to 8 MBU's.  
 Battery Pack . . . . .Built-in rechargeable battery pack designed to run 3 MBU's for 3 hours at 75°F or 2 MBU's for 3 hours at -25°F.



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**Teleflex Energy Systems**  
 3831 No.6 Road Richmond  
 BC Canada V6V 1P6  
 t: 604 270-6899  
 f: 604 270-0137  
 e: proheat@proheat.com  
**www.proheat.com**  
 www.teleflex.com  
 Proheat is a registered trademark of Teleflex Inc  
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