

MBU

MODERN BURNER UNIT (MBU)



POWERFUL & RUGGED MBU DESIGNED FOR MILITARY APPLICATIONS

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



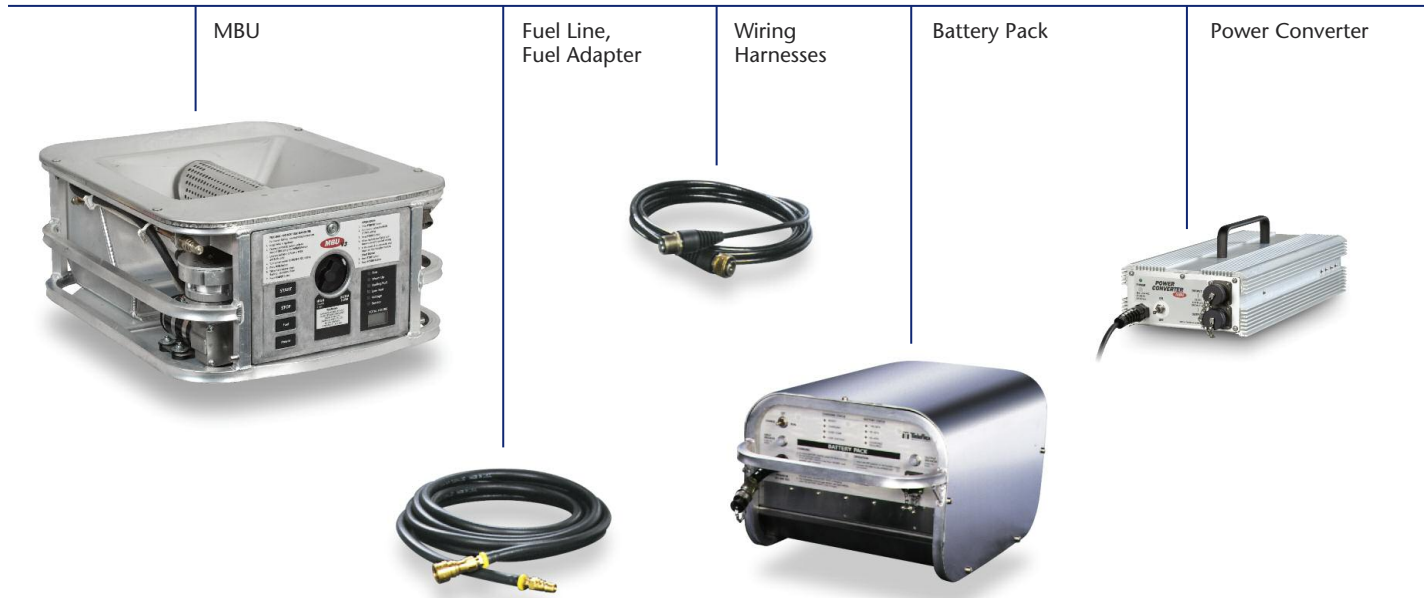
AT A GLANCE

MBU FEATURES

- Burns low volatility fuels. Auto shutdown in the event of a flame out. Non-pressurized fuel tank.
- Direct replacement for M2 burner. No modifications required to field kitchen appliances.
- Easy to Refuel — Burner does not need to be removed from appliance. Simply connect the fuel line and press the 'FUEL' button.
- Simple to use — Push 'START' button.



MBU SYSTEM



SPECIFICATIONS

DIMENSIONS – MBU (L x W x H)	23 x 19 x 9.75 inches (584 x 483 x 248 mm)									
HEAT OUTPUT	<table border="1"> <thead> <tr> <th>Setting</th> <th>BTU/Hr*</th> <th>Operation Time</th> </tr> </thead> <tbody> <tr> <td>Ultra Low</td> <td>15,000</td> <td>20 hours</td> </tr> <tr> <td>High</td> <td>52,000</td> <td>5 hours</td> </tr> </tbody> </table> <p>* Based on net heating value of JP-8</p>	Setting	BTU/Hr*	Operation Time	Ultra Low	15,000	20 hours	High	52,000	5 hours
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Ultra Low	15,000	20 hours								
High	52,000	5 hours								
FUEL TYPES Primary Fuel Other Fuels	JP-8 Diesel #1, Diesel #2, ULSD DF1, DF2, DFA Jet A, Jet A1									
FUEL CAPACITY	2.0 US Gallons (7.6 Liters)									
WEIGHT Empty	39 lbs (17.7 kg)									
AMBIENT OPERATING TEMPERATURE RANGE	-25°F to 125°F (-32°C to 52°C)									
POWER CONSUMPTION	275 Watts Maximum									
NOMINAL OPERATING VOLTAGE	24 VDC									
POWER SUPPLY Power Converter	Input: 90 to 132 VAC Output: 24 VDC Input Frequency: 47 to 63Hz Supplies power for up to eight 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									
ELECTRICAL REQUIREMENTS	22 to 29.5 VDC									

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



Please Note: Specifications are subject to change without notice.

