



## VERSALOAD

### Model MFJ-250

The MFJ-250 Versaload provides a versatile method of loading a RF transmitter. The oil cooled resistive element is capable of dissipating 1 KW of RF power and provides low VSWR up to 400 MHz.

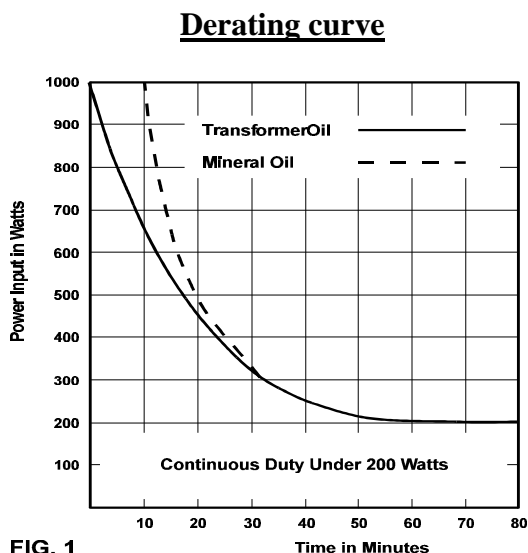
#### Operation

Fill the VERSALOAD pail to within  $\frac{3}{4}$ " of the top with MFJ TRANSFORMER OIL. This is required for proper oil circulation and cooling of the resistive element. Mineral oil may be used, but **DO NOT USE ANY TYPE OF MOTOR OIL**. Motor oil does not have a sufficiently high vaporizing temperature and will cause excessive vapor. **MFJ Transformer Oil does not contain PCBs (Poly Chlorinated Biphenyls).**

Before operating the VERSALOAD study the duty cycle chart in Figure 1. If you are uncertain of the power level being supplied, assure safe operation by frequently touching the side of the pail near the bottom with your fingers. If the side of the pail is too warm to allow your fingers to remain, or if vapor is coming from the can, turn off the RF transmitter until the oil cools. If vapors appear at power levels less than 200 watts, the oil level should be checked.

#### Warning

Care must be taken in handling the oil. Wash hands after filling the pail. Keep the oil away from food and out of the reach of children. If the VERSALOAD overheats, **DO NOT BREATHE THE VAPORS** and turn off the RF transmitter.



#### **Specifications**

IMPEDANCE: 50 Ohms, Resistive  
VSWR: < 1.2:1 (Freq: 0-30 MHz)  
< 1.5:1 (Freq: 30-300 MHz)  
< 2.0:1 (Freq: 300-400 MHz)

POWER  
DISSIPATION: 1000 Watts continuous,  
10 minutes; see derating  
curve (Transformer Oil)

DIMENSIONS: 7-1/2" High x 6-5/8"  
Diameter

NET WEIGHT: 1.5 Lbs. (Oil weight not  
included)