



**MetalZorb<sup>®</sup>**  
Treated Sponge Product  
Capacity Calculator

$$\frac{704}{(\text{gpm}) \times (\text{ppm})} = \text{HM} \quad \text{and} \quad \frac{1050}{(\text{gpm}) \times (\text{ppm})} = \text{HMTU}$$

**Where:**

- HM represents the expected running time (in hours) to saturate one cubic foot of Type M Sponge with absorbed heavy metals.
- HMTU represents the expected running time (in hours) to saturate one cubic foot of Type M-TU Sponge with absorbed heavy metals.
- "gpm" represents continuous flow rate (gal/minute) running through one cubic foot of Sponge product.
- "ppm" represents the amount (in parts/million) of heavy metals being absorbed continuously.

**Notes:**

Actual running time may be somewhat higher or lower than formula-predicted values, as the total amount of heavy metals absorbed by the Treated Sponge Product is affected by factors such as the nature of the metals absorbed and the pH. Higher pH levels generally favor greater absorption.

As the bed of Sponge product approaches its saturation point, its efficiency of metal removal will be diminished. The remove efficiency could be maintained by slowing the flow rate through the sponge or using a separate downstream bed of Sponge which can be subsequently be switched to become the upstream bed.

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