

## METHODS FOR UTILIZING ALUCEL™ ALUMINUM FILTERS

Standard aluminum filtration systems utilize square ceramic filters with tapered edges that fit horizontally into a filter bowl, (see Figure 1). However, systems requiring special shapes are also utilized, (see Figures 2 & 3). Filtering with ALUCEL™ aluminum filters is an easy three-step process.

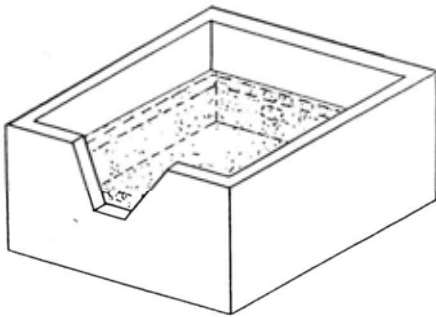


FIGURE 1

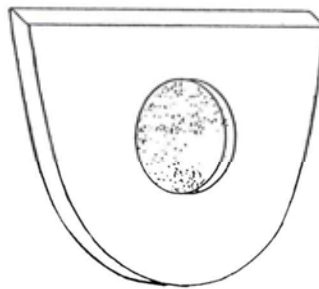


FIGURE 2

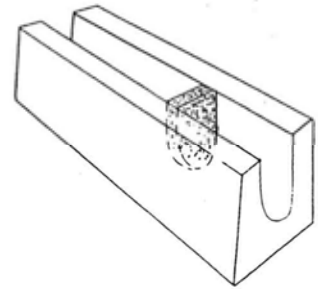


FIGURE 3

- Step 1** Before a filter is poured upon it must be placed in filter bowl and preheated to red heat. This should be accomplished by using a gentle gas flame or radiant heater. Caution should be taken in initial stages of pre-heat to prevent thermal shocking the filter. Preheating requires approximately 15 minutes.
- Step 2** Once the filter is sufficiently preheated, the pour can begin. It is important to maintain a 6"-12" head of metal on the filter. If there seems to be a priming problem, a simple tap to the filter bowl with a metal rod will begin metal flow.
- Step 3** After pour is complete, break a hole in the center of the filter and lift out filter with a crowbar.

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