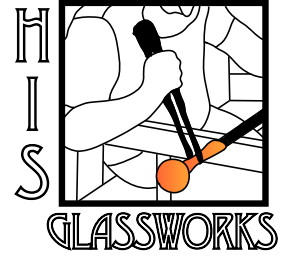
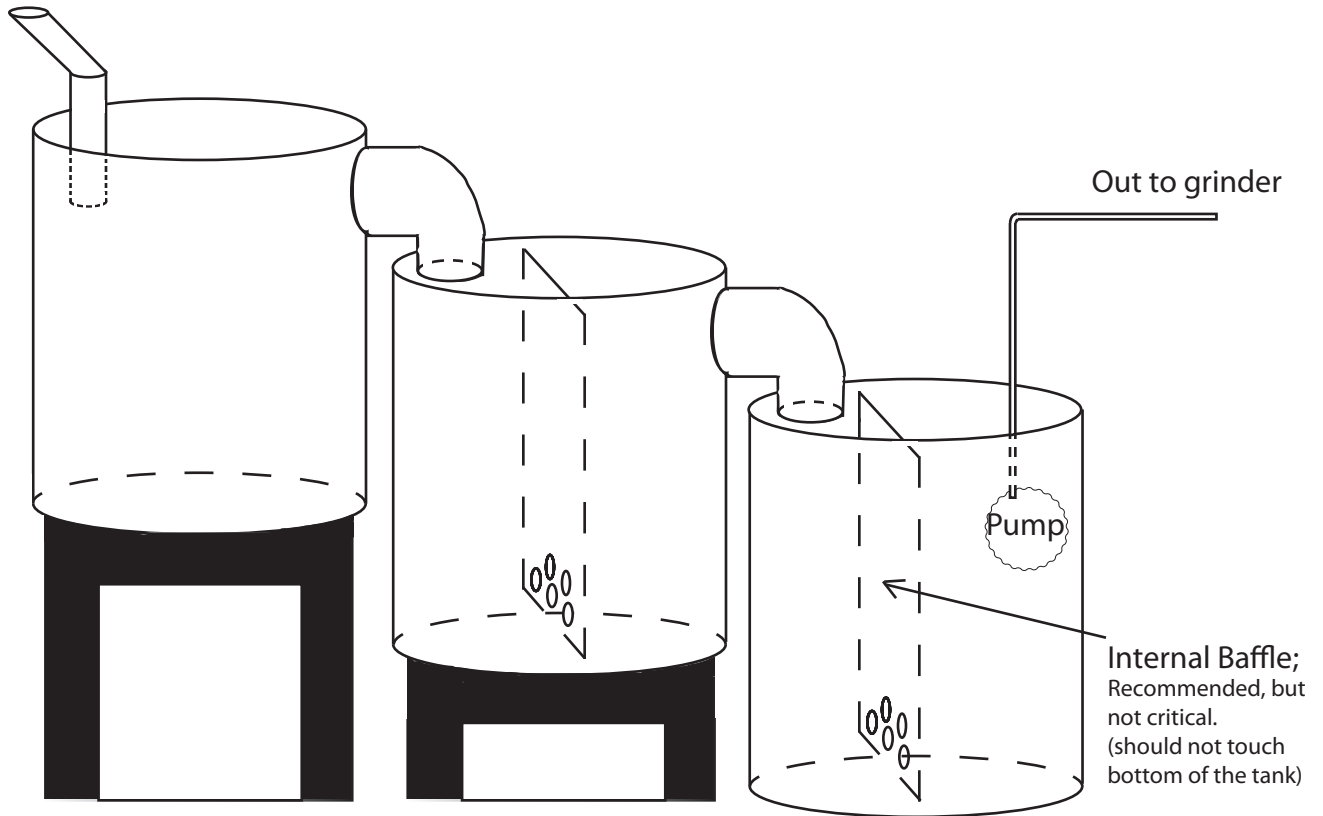


Water Cascade Recycling System Diagram



Grinding water
in from grinder



In the case where you must recycle your grinding water.

It is recommended that you utilize a cascade water separator to minimize the contaminants in your grinding water. The first bucket should trap most of the heavy particles, the second, much of the finer particles and the last bucket most of the smallest residual particles. It is also recommended that the submersible pump intake have a fine mesh filter to further filter the water and be raised above the bucket bottom. The larger the buckets the more efficient the system will be.

It is necessary to frequently check the bottom of the buckets to be sure there is sufficient room for gravity separation to happen. The first bucket will accumulate more rapidly and will require cleaning more often. It is helpful to have a plastic trash bag in the first bucket to aid in cleaning when it fills. When it is necessary to replenish the water in the system, only add water to the first bucket and avoid disturbing the sediment layer as much as possible. The second and third buckets should contain baffles to assure the water has the maximum distance to travel thus allowing better opportunity for the particulates to settle out of the water. The sediment must not be allowed to accumulate so as to cover the holes in the separator baffle.