



PRODUCT BULLETIN

SEPOR, INC.
718 N. FRIES AVE.
P. O. BOX 578
WILMINGTON, CA 90748
PHONE: 310-830-6601
FAX: 310-830-9336

Web Site: <http://www.sepor.com>

The M Series Centrifuge

The Model M212 Centrifuge is a manual clean, basket centrifuge for separation of suspended solids from process liquid.

Some of the Centrifuges Features Include:

- 11" diameter centrifuge bowl with 1 .0 gallons of sludge holding capacity.
- 3 hp motor powers the bowl up to 3,600 RPM generating approximately 2,000 "G" Forces.
- Efficient separation at flow rates up to 10gpm.
- The top feed M212 features an internal feed cone with impellers to increase separating capacity, efficiency, and total processing performance.
- Hard anodized aluminum bowl assembly with removable bowl and inexpensive, PVC plastic bowl liner for easy removal and leaning. Bowl top hex wrench and liner lifting tool included for operator's convenience.
- Optional Stainless steel bowl, bowl liner, and bowl enclosure available for corrosive applications.
- Computer balanced bowl assembly for smooth, quiet operation.
- Alloy steel spindle with tapered fit into the bowl nave for smooth, concentric operation.
- Round bowl enclosure and liquid discharge chamber minimizes effluent foaming.
- 3" NPT frame discharge outlet sloped to quickly gravity drain the clarified liquid away from the machine.
- Powder coated bowl enclosure with hinged, latching, domed lid for easy use.
- Rugged monocoque plate steel frame construction.
- Integrally mounted, progressive cavity feed pump for quick, easy installation and operation. 3 hp motor also drives feed pump.
- Pre-mounted and wired motor starter for easy installation and operation.
- Optional, pre-mounted timer control box available.
- 100% designed and manufactured in the United States with American made components.



The M series of centrifuges are specifically designed to separate solids from liquids without the use of consumable filtration elements. They are used for recovering valuable solids from slurries, and for recovering valuable liquids from slurries. Basic centrifuge theory says that the degree of separation in a centrifuge depends on the amount of centrifugal force the machine generates and the length of time it maintains the liquid under this centrifugal force. The M Series centrifuges have adjustable rotational speed and throughput rate, to achieve the desired degree of separation. This is referred to as the Effective Capacity of the centrifuge. The effective capacity is dependent upon the viscosity and density of the liquid, plus the size, weight and shape of the suspended solids. It is possible to separate suspended solids in the M Series Centrifuge's as small as 3 microns. These centrifuges have found application in environmental, remediation, mineral processing, waste treatment, scrubber water treatment and many other industrial applications.