

WESTERN STATES LABORATORY FILTERING CENTRIFUGE



- cGMP Sanitary Centrifuge design is small enough for laboratory separation work (< 927 cm³).
- Ideal for solid-liquid separation, washing and extraction of food ingredients, polysaccharides, crystals, botanicals, pharmaceuticals and fine chemicals.
- Easily removed basket requires no tools - simply lift out and carry to workbench.
- Repeatability is enhanced by electronic speed control and digital run timer.



BASKET DESIGN:

- 6" inside diameter x 3.6" high x 1" cap (maximum cake depth), machined from solid 316 stainless steel
- **basket removal: simply lift the basket off the spindle - a magnetic coupling (Patent Pending) eliminates the need for tools to remove basket**
- solids holding capacity: 56.5 in³ (927 cm³)
- filtration surface area: 68 in² (438 cm²)
- filtration medium: disposable paper or cloth
- **highly perforated basket (2,520 holes) eliminates need for backing screen**
- scribed marks at 0.5" and 1" on inside bottom of basket gives operator a visual indication of cake thickness
- basket speed: 0-5,000 rpm
- **separation force: 2,130 gravities**



VESSEL:

- (1) slurry feed with 1/2" ball valve and tri-clamp fittings
- (1) wash/spray line with 1/2" ball valve and tri-clamp fittings
- 3" sight glass and 20 watt sanitary light
- all 316L stainless steel construction
- welds ground smooth, flush and pit free
- 32 RA (180 grit) polish inside and out
- full-draining 6° sloped bottom with 1" tri-clamp drain connection
- vapor-tight (no pressure) vessel with O-ring lid seal
- twin gas springs (stainless) on lid for easy opening
- interlock prevents lid from opening when basket is rotating

CONTROLS: NEMA-4X electrical enclosure in base frame:

- variable frequency drive - 0-5,000 rpm, 1/2 HP
- start/stop push buttons
- digital speed control with actual basket rpm display
- digital timer for run time
- power disconnect
- 110 volt, 1-phase power input (12 amps max.)

The ease of use and flexibility of the lab centrifuge is enhanced by the **tool-less basket removal**. Simply lift the basket off the shaft, carry to your workbench and recover all of the retained solids. The removable basket also allows cleaning or sterilizing of the basket. There are no cracks or crevices in the basket to trap product or microbes because the basket is machined from a solid block of stainless steel.



WESTERN STATES



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