

**Model A222 Automatic Self-Cleaning Centrifuge Test Module:**

The test module is the US Centrifuge Model A222 Automatic Self-Cleaning Centrifuge with a capacity of 1 to 20-gpm, depending on the nature of the feed. The complete A222 test module is mounted on an easily transported mild steel frame and can normally be ready for operation within 1 to 2-hours upon delivery to the site.



**Module dimensions:**

- 90”L x 44”W x 84”H

**Module weight:**

- Approximately 2,500 pounds

**Model A222 Test Module Specifications:**

- Bowl volume: 20.0-liters
- Maximum flow rate: Up to 20-gpm
- Solids holding capacity: Up to 2.0 gallons
- Maximum “G” force: 2,000-x gravity
- Liquid inlet fitting: 3/4” NPT
- Required inlet pressure: 10-psi @ 20-gpm
- Liquid discharge height: 42” off floor
- Liquid discharge fitting: 3” NPT
- Liquid discharge pressure: Gravity return
- Solids discharge height: 40” under unit
- Maximum temperature: 160°F
- Suggested Ph range: 6 to 9
- Feed pump capacity: 1 to 30-gpm
- Feed pump connection: 1”
- Return pump capacity: 1 to 30-gpm
- Return pump connection: 1”
- Electrical control panel: NEMA 12
- Air powered feed pump and return pump feature poly body and Teflon diaphragms.



**Services to be provided by client:**

- Electricity supply (460V, 3 pH, 60 Hz) with 20-amp high surge fuses for start up. Running current approximately 7.6 amps.
- Clean dry compressed air supply (3/8" line to connection / 80-psi up to 20-cfm).
- Suitable hard foundation approximately 8-ft. x 4-ft.
- Feed liquid preferably at ground level @ a maximum of 25-ft. from test unit.
- Suitable receptacle for sludge cake discharge produced. 30-gallon drum or sludge hopper no more than 3-ft in height is ideal.
- Centrate gravitates from the test unit at a height of approximately 40" and gravity drains into a 10-gallon catch tank and is pumped back to source.
- Potable water for flushing the machine and general clean up and positioning adjacent to a drainage point is suggested.



As you can see from the photographs of the unit, a protective building is not a requirement except in areas of extreme weather.

**US Centrifuge can provide trained personnel to set up and operate the unit.**

**Start-up Service:** On-sight start-up service with US Centrifuge field service engineer is available @ \$95.00 per hour plus the additional travel and living expenses. Travel time is billed @ 55.00 per hour. The customer will be required to issue a PO prior to the start-up. US Centrifuge will provide written estimates of the travel and living costs upon request. **Note:** US Centrifuge is not responsible for any start-up delays due to incomplete installation or process problems when the field service engineer arrives for the scheduled start-up. The time spent waiting and / or helping complete the installation will be counted as part of the included of start-up time.