

System Features



50 HP Motor connected to base of the skid structure.



Four, "wide-mouth" tungsten carbide discharge ports and plows



Four, stainless steel, epicyclic, liquid-end discharge ports



Optional Type 4X Explosion Proof Control Panel with Purge System

Designed with Performance and Operator-Friendliness in Mind

Elgin's Apex 14MVFD™ main-drive variable frequency driven decenter centrifuge is fitted with a NEMA premium, continuous duty, 50hp main drive motor. The Apex 14MVFD™ is capable of operating between 100 up to 3,250 rpm's, generating up to 2,100 G's of force.

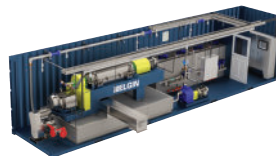
Featuring a 52:1 planetary gearbox which generates an industry-leading speed differential, which ultimately translates into a larger performance window. This performance window is what grants the Apex 14MVFD™ maximum flexibility when managing the cut-point and the moisture content of discharged solids.

To ensure maximum performance, Elgin's proprietary VFD control system is built from the ground up incorporating sophisticated electrical components. Elgin's proprietary user interface provides complete control of all systems, diagnostic tools, and read-only fault logs. Control panels can be configured for explosion proof or non-explosion environments with internal fan cooling, air condition, or purged-air protection systems.

When it comes to optimal operation performance, it is key to integrate safety interlocks to prevent equipment malfunction during operation. Elgin centrifuges are equipped with a host of premium industry-standard safety interlocks.

Containerized Solutions

Elgin can fully integrate a number of processes into a single 20' or 40' standard shipping container. Units include dedicated control room or mud lab, chemical additive injection pumps and tanks, decenter centrifuge, centrate collection tank, dedicated feed/transfer pumps, and solids discharge conveyor.



Model Number	Apex 14MVFD™
Description	Electronically-Controlled, Main-Variable Frequency Driven Decanter Centrifuge
Maximum G-Force	2,100 G's
Maximum Speed	3,250 rpm
Processing Capacity*	200 gpm (12.6 lps)
Bowl Construction	Stainless Steel
Bowl Diameter	14" (356 mm)
Bowl Length	49.5" (1,257 mm)
Gearbox Ratio	52:1
Weight	6,600 lbs (2,994 kgs)
Dimension	9.16' (2.8 m) L x 6.15' (1.9 m) W x 4' (1.2 m) H

* Noted processing capacity is based on water. Flow capacity varies based on drilling fluid weight.