



More than an original equipment manufacturer, Elgin Separation Solutions offers innovative turn-key solutions for today's operators in the trenchless industry. As such, Elgin has become the leading provider of effective packaged fluid recycling systems.

Within its class, the KEMTRON 600HD2™ has the highest rated hydraulic cleaning capacity at an impressive 600 gallons per minute (38 lps). Traditional systems offer single pass cleaning, while the KEMTRON 600HD2™ features a multi-pass configuration, allowing each cut to be returned to the primary tank for continuous recirculation. This feature maximizes the shaker and hydrocyclone cleaning performance.

Featuring Elgin's proprietary smart-panel technology with onboard Wi-Fi network that allows the system to be operated remotely via smart phone, tablet or laptop. Built-in high/low level sensors maintain pump consistency with safety interlocks to prevent pumps from running dry. Elgin's 'Cruise Control' feature independently turns pumps on & off based on tank fluid levels to maximize cleaning performance.

Dedicated 250 series centrifugal pumps manage desilter, hopper/mud gun and transfer operations to maximize pressures needed to ensure proper mixing, optimum hydrocyclone performance, reduced hopper clogging and adequate transfer pressure back to drilling rig.

Combine all this with a Tier-4 Final sound-attenuated 100kw generator package, 4,500 gallon (17,034 liters) tank capacity, heavy-duty dual-axle trailer, fold out/walk up ladder and increased deck space, the KEMTRON 600HD2™ packaged fluid reclaimer is the perfect solution for your solids control needs.

KEMTRON 600HD2™ Benefits:

- Multi-pass cleaning system maximizes shaker and hydrocyclone performance.
- Largest screen surface area, 56 sq. ft. (5.2 m²), outperforms competitors in sand and silt removal.
- Smart-Panel technology with Wi-Fi network for lowest cost operator oversight of any reclaimer in the industry.
- Hyper-G™ shaker with Firestone's Marsh Mellow™ vibration isolators, providing reduced noise, long-lasting, maintenance free operation.
- Most efficient tank agitation per unit volume of mud ensures complete mixing performance.
- Dedicated centrifugal pumps, inset on the side of the tank for easy maintenance, provide independent transfer, mud circulation/hopper, and desilter operations.
- Elgin's tanks are fully lined with a phenolic lining to maximize tank life and reduce the effects associated with the circulation of abrasive/erosive solids to extend equipment life.





Hyper-G Shaker

Six-panel, dual-deck, Hyper-G linear motion shaker with single point leveling jack.



Pump Pockets

Pumps are recessed along the side of the tank for easy maintenance access.



Easy Access

Folding ladder system allows for easy access to top deck.



Smart Panel

Intelligent control panel with built-in Wi-Fi networking capabilities and automated safety interlocks. Operate your system from any smart phone, tablet or laptop.

Model Number:	KEMTRON 600HD2-T™
Description:	Six Panel, Dual-Deck Linear Motion Shaker with Desilter Manifold
Screen Type:	KPT28-COM Composite
Maximum G-Force:	7 G's
Centrifugal Pumps:	3 x 4 250-Series (2) 20 hp & (1) 25 hp
Vibratory Motors:	(2) 3.3 hp (2.4 kW)
Number of Screen Panels:	6 Panel Dual-Deck
Screen Surface Area:	56 sq. ft. (5.2 m ²)
Hydraulic Capacity*:	600 gpm (37.8 lps)
Hydrocyclones:	8 qty 4" cones
Dimensions:	32' (9.7 m)L x 8.5' (2.6 m)W x 13.5' (4.1 m)H
Weight:	32,560 lbs (14,769 kg) (Trailer Unit with Genset)
Tank Capacity:	4,500 gallon (17,034 liters)

*Maximum flow rate is dependent on the number, and size of hydrocyclones used, solids concentration, fluid viscosity, & shaker settings.

Designed To Be Used With Today's Drilling Rigs*	
American Auger®	DD-240T
Ditch Witch®	JT100
Universal®	110x120, 160x240, 220x240, 250x400
Vermeer®	100x120, 220x300

* Vermeer®, Ditch Witch®, Universal® and American Augers® and their respective products are protected trademarks and are not affiliated with Elgin Separation Solutions or Elgin Equipment Group.

Options (Upgrade Packages)

Trailer Mounted System - Add a 30,000 lbs (13,607 kg) rated triple-axel trailer with hydraulic jacks.

Generator Package - Add a Tier-4 Final, fully sound-attenuated, 100 kW diesel generator to provide local electrical power for the shaker and all pumps with an on-board diesel tank. Sound attenuated generators also available.

Submersible Feed Pump - Add a 620 gpm (39 lps), 7.5 hp, submersible feed pump to the system to deliver fluid to the recycling system.

Explosion Proof Configuration - Add a NEMA 7 explosion proof control panel. Replace all vibrator and pump motors with explosion proof motors. Explosion proof generator packages not available.

Shaker Motors - Upgrade to a dual motion configuration for linear motion and balanced elliptical motion operation.

Winterization Package for harsh environmental conditions. Elgin has an in-house engineering department capable of customizing your system to meet any harsh weather needs.



Maximize cleaning efficiency with the addition of a hydrocyclone desander.

