



# KEMTRON HDD

## 600 Pro™

Turn-Key Fluid Recycling System



Efficiency Redefined for Mid-Class HDD,  
Geothermal, and Water Well Projects

## Performance Where It Matters Most

The KEMTRON HDD 600 Pro™ is purpose-built for operations requiring high-volume cleaning, minimal oversight, and unmatched durability.

### 1. Maximum Cleaning Efficiency

- **Largest Screen Surface Area:** At 56 sq. ft. (5.2 m<sup>2</sup>), the KEMTRON HDD 600 Pro™ features the largest screening area in its class, paired with the **Patented** six-panel, dual-deck Hyper-G 6P™ shaker. This provides superior sand and silt removal performance, maximizing fluid recovery.



*“Our jet shear and shaker combo outpaces any single-pass system on the market.”*

— Elgin Design Engineer

### 2. Smart Automation with Smart Panel™

- **Smart-Panel Technology:** Astec | KEMTRON HDD proprietary control interface offers automated pump operation based on tank level sensors. This “cruise-control” capability reduces operator oversight and extends pump life. Full Wi-Fi-enabled remote control via smartphones, tablets, or PCs is unmatched in the industry.



### 3. High Efficiency Jet Shear Mixing

- **Integrated Jet Shear Unit:** Rapidly hydrates bentonite and polymers, eliminating fish eyes.

The KEMTRON HDD 600 Pro™ stands out for automation, efficiency, durability, and operator-focused design. It's particularly ideal for high-performance HDD, water well, and geothermal applications where uptime, clean fluid, and fast setup matter most.

When compared to competitive offerings, it provides **better solids control**, **smarter system management**, and **more robust field-serviceability**.



**Modularity:** The KEMTRON HDD 600 Pro™ can be configured with optional desanders, dual-motion shaker motors, and decanter centrifuge modules (like the Apex 14SL™). This level of customization allows tailoring for varying drilling conditions and fluid types.

## Field-Proven ROI

- Up to 60% reduction in hauling costs via solids volume control.
- Lower chemical and water usage from fluid recycling.
- Extended screen and pump life with abrasion-resistant materials.

## Support That Drives Success

- Full in-house engineering and system diagnostics support.
- Elgin-manufactured spare parts and screens for full lifecycle accountability.
- Deployment-ready packages ship weekly—industry's fastest turnaround.

Vortex 4™ Desilter Hydrocyclone Manifold w/Pressure gauge

6-Inch High Jet Sheer Mixing Hopper w/Venturi Nozzle

Ergonomic Folding Walk-Up Ladder

Dedicated Vision 43™ Centrifugal Pump for Hopper/Mud Guns and Desilter Operation

Onboard Integrated Pressure Washer with 26-Gallon Polyurethane Tank



Patented Hyper-G 6P™ Dual-Motion Variable Speed Shaker\*

Smart Panel Control System w/Wi-Fi Network

Sound-Attenuated EPA Tier-4 Generator

Dedicated Vision 43™ Centrifugal Transfer Pump

Heavy-Duty 30K Dual-Axel Pintle Hook Trailer

\* Optional upgrade to the dual-motion, variable speed Hyper-G 6P™ shaker.



## Maximize Sand and Silt Removal Performance with the KEMTRON HDD 600MX Pro™

- 4,300 gallon partitioned tank for improved processing.
- Able to handle higher solids content with the onboard 12-inch hydrocyclone desander.
- Optimized desilter performance with larger solids removed by the desander.
- Capable of handling larger flow rates with onboard 12-inch desander.
- Optional dual-motion, variable speed Hyper-G™ shaker is more effective when managing clays via balanced elliptical motion.



Model Number:	KEMTRON HDD 600 Pro™	KEMTRON HDD 600MX Pro™	Options (Upgrade Packages)
<b>Description:</b>	Six Panel, Dual-Deck Linear Motion Shaker with Desilter Manifold	Six Panel, Dual-Deck Linear Motion Shaker with Desilter & Desander Manifold	<b>Trailer Mounted System</b> - Add a premium engineered heavy-duty trailer with hydraulic leveling jacks.
<b>Screen Type:</b>	BlueCrest 28™ or BlueWave 28' Composite Screen	BlueCrest 28™ or BlueWave 28' Composite Screen	<b>Generator Package</b> - Add a EPA Tier-4 Final, fully sound-attenuated, 100 kW diesel generator to provide local electrical power for entire system with an on-board diesel tank. Whisper quiet generators also available.
<b>Maximum G-Force:</b>	7 G's	7 G's	<b>PitBull 600™ Submersible Feed Pump</b> - Add an Elgin premium solids-handling submersible feed pump to the system to deliver fluid to the recycling system.
<b>Abrasion-Resistant Slurry Pumps:</b>	3 Qty. - DuroLast 43RB™ Slurry Pump - 25hp	4 Qty. - DuroLast 43RB™ Slurry Pump - 25hp	<b>Explosion Proof Configuration</b> - Add a NEMA 7 explosion proof control panel. Replace all vibrator and pump motors with explosion proof motors. Explosion proof generator packages not available.
<b>Vibratory Motors:</b>	(2) 3.3 hp (2.4 kW)	(2) 3.3 hp (2.4 kW)	<b>Shaker Motors</b> - Upgrade to a dual motion, multi-G configuration for selectable linear motion and balanced elliptical motion operation.
<b>Number of Screen Panels:</b>	6-Panel Dual-Deck	6-Panel Dual-Deck	<b>Winterization Package</b> - For harsh environmental conditions. Elgin's in-house engineering department is capable of customizing your system to meet any harsh weather needs.
<b>Screen Surface Area:</b>	56 sq. ft. (5.2 m <sup>2</sup> )	56 sq. ft. (5.2 m <sup>2</sup> )	
<b>Hydraulic Capacity*:</b>	600 gpm (37.8 lps)	600 gpm (37.8 lps)	
<b>Vortex Hydrocyclones™:</b>	8 Qty. Vortex 4™ Desilter	8 Qty Vortex 4™ Desilter 1 Qty. Vortex 12™ Desander	
<b>Dimensions (GenSet &amp; Trailer):</b>	33' (10 m)L x 8.5' (2.6 m)W x 13' (4 m)H	34.5' (10.5 m)L x 8.5' (2.6 m)W x 13.5' (4.1 m)H	
<b>Weight:</b>	32,673 lbs (14,820 kgs) (Trailer Unit with GenSet)	34,600 lbs (15,694 kgs) (Trailer Unit with GenSet)	
<b>Tank Capacity:</b>	4,500 gallon (17,000 liters)	4,300 gallon (16,277 liters)	

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