



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 400 Pro™ has the highest rated hydraulic cleaning capacity at an impressive 400 gallons per minute (25 lps) in a compact user-friendly design. This system pairs perfectly with operators running rigs like the American Auger® DD-110, Ditch Witch® JT60, Universal® 70x90 & 80x100 and Vermeer® D60x90 or similar\*.

Traditional systems offer single pass cleaning, while the KEMTRON 400 Pro™ 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, and when paired with Elgin's OEM composite shaker screens which are lighter and longer lasting provides for a more consistent 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 sound-attenuated 60kw generator package, 2,350 gallon (8,900 liters) tank capacity, heavy-duty dual-axel trailer, fold out/walk up ladder and increased deck space, the KEMTRON 400 Pro™ packaged fluid reclaimer is the perfect solution for your solids control needs.

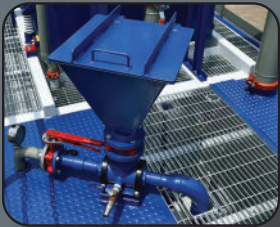
## KEMTRON 400 Pro™ Benefits:

- Multi-pass cleaning system maximizes shaker and hydrocyclone performance
- Largest screen surface area, 38 sq. ft. (3.6 m<sup>2</sup>), outperforms competitors in sand and silt removal.
- 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.



### Centrifugal Pumps

Inset pump pockets with direct access to each pump for ease of operation and maintenance.



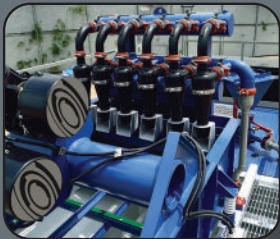
### Additives Hopper

3" solids hopper with Venturi nozzle.



### Hydrocyclones

Six 4" desilter hydrocyclones for secondary sand and silt removal.



### Linear Motion Shaker

Double-deck, four panel linear motion shaker with 2.0 hp vibrator motors.

Model Number:	KEMTRON 400 Pro™
<b>Description:</b>	Four Panel, Dual-Deck Linear Motion Shaker with Desilter Manifold
<b>Screen Type:</b>	KPT-28 Composite
<b>Maximum G-Force:</b>	5 G's
<b>Centrifugal Pumps:</b>	3 x 2 250 Series (2) 15 hp, (1) 20 hp
<b>Vibratory Motors:</b>	(2) 2.0 hp (1.5 kW)
<b>Number of Screen Panels:</b>	4 Panels
<b>Screen Surface Area:</b>	38 sq. ft. (3.5 m <sup>2</sup> )
<b>Maximum Flow Rate*:</b>	400 gpm (25.0 lps)
<b>Hydrocyclones:</b>	6 qty 4" (9.6 cm) cones
<b>Dimensions:</b>	25.1' (7.6 m) L x 8.25' (2.51 m) W x 12.3' (3.7 m)H
<b>Weight:</b>	20,620 lbs (9,353 kg) (Trailer Unit with Genset)
<b>Tank Capacity:</b>	2,350 gallon (8,895 liters)

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

### Options (Upgrade Packages)

**Upgrade to Ceramic 4" Desilter Hydrocyclones** - Add ceramic inserts to cones for improved life and performance.

**Trailer Mounted System** - Add a 21,000 lbs (13,607 kg) rated triple-axel trailer.

**Generator Package** - Add a Tier-4 Final sound-attenuated 60 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 500 gpm (31.5 lps), 10 hp, submersible pump 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.

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



Clean your fluid even further with the addition of a high-speed decanter centrifuge.

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