

Apollo-Elgin Separation Solutions pioneered the packaged mud recycling system decades ago. Operators quickly came to know these systems as durable, long-lasting, with high-quality sophistication and maximum performance. Today, We deliver turn-key solutions that solve challenging real-world problems. This is where our team shines and what sets us apart from the competition.

The Apollo-Elgin MT700HDX-S is ideal for today's contractors looking to process up to 700 gallons per minute (44 lps) in a compact, user-friendly design..

Traditional systems offer a single pass cleaning process leading to poor separation of solids with high sand content. The Apollo-Elgin MT700HDX-S 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 Hyper-G patented shaker with "water-fall" screen system that dramatically reduces the potential for solids bypass typically encountered by damaged screen gaskets, improper installation, and flooding of the rear gasket by fluid. Dual shaker configuration maximizes solids separation with dedicated hydrocyclone desander and desilter manifolds capable of handling higher solids content. Class leading 250 series centrifugal pumps maximize pressures needed to ensure proper mixing, optimum hydrocyclone performance, reduced hopper clogging, and adequate transfer pressure back to drilling rig. Inset pump pockets provide for reduced plumbing and consistent head pressure and ease of maintenance. Combined with a top mounted agitator in the clean tank and high-pressure mud guns, 4,000 gallon (15,141 liters) tank with level sensors, and hydrocyclone isolation valves, the Apollo-Elgin MT700HDX-S packaged fluid reclaimer is the perfect solution for your solids control needs.

**Apollo-Elgin Packaged
Fluid Recycling Systems
Save Time, Money,
and the Environment.**



MT700HDX-S Benefits;

- Multi-pass cleaning system maximizes shaker and hydrocyclone performance
- Largest screen surface area, 57 sq. ft. (5.3 m²), outperforms competitors in sand and silt re-removal.
- 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 two-coat zinc rich industrial grade coating to maximize tank life and reduce the effects associated with the circulation of abrasive/erosive solids to extend equipment life.

Designed in the United States. Now Manufactured in India



Natural Resource Recycling • Product Classification
Dewatering • Fluid Recovery • Waste Management
Material Handling • Liquid/Solid Separation



Pump Pockets

Pumps are inset along the side of the tank for increased performance and easy maintenance access.



Hyper-G Shaker

Two (2) Six-panel, dual-deck, Hyper-GTM linear motion shaker with 2.5 hp motors.



Desander Hydrocyclone

One (1) 10" desander hydrocyclone manifold for managing higher solids content.

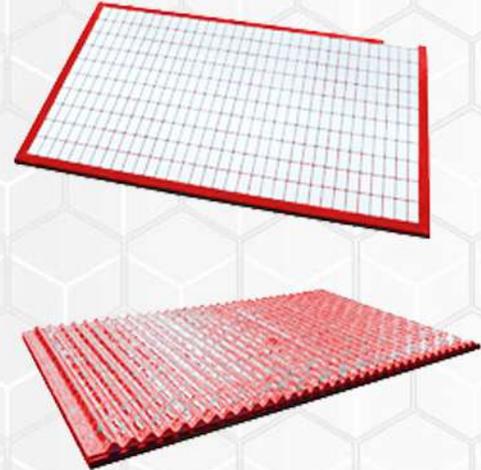


Desilter Hydroclone

Eight (8) 5" desilter hydrocyclone manifold with isolation valves.

Model Number:	MT700HDX-S
Description:	Six-Panel, Dual-Deck Multi-Functional Linear Motion Shaker with Desilter Manifold
Screen Type:	KPT-28 Composite
Maximum G-Force:	5> G's
Centrifugal Pumps:	Three (3) 250 Series: Two (2) 30 hp & One (1) 40 hp
Vibratory Motors:	Two (2) 2.4 hp (1.8 kW) per Shaker
Number of Screen Panels:	Six (6) Panels per Shaker
Screen Surface Area:	57 sq. ft. (5.3 m ²)
Hydraulic Capacity*:	700 gpm (44 lps)
Hydrocyclones:	Eight (8) 5" Desilter Cones One (1) 10" Desander Cone
Dimensions**:	26.7' (8.1 m)L x 10.6' (3.2 m)W x 11.1' (3.4 m)H
Weight:	24,251 lbs (11,000 kgs)
Tank Capacity:	4,000 gallon (15,142 liters)

Options (Upgrade Packages)
Ceramic 5" Desilter Hydrocyclones - Add ceramic inserts to cones for improved life and performance.
High / Low Level Tank Sensors - Provides transfer pump automatic control when tank levels are too high or too low relative to tank volume or pump suction.
Submersible Feed Pump - Add a 620 gpm (39 lps) 7.5 hp feed pump for efficient transfer of fluid to the system.



Apollo-Elgin composite flat panel and wave shaker screens, which are lighter and longer lasting, provides for a more consistent cleaning performance.

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

** Dimensions stated are transport size with folding catwalk.