

EARTH PRO TOTAL FLUID RECYCLER

SOLIDS REMOVAL UNIT FOR MINERAL EXPLORATION DRILLING

The Earth Pro Total Fluid Recycler is loaded with features that until now were the domain of large water treatment and drilling operations. A mobile centrifuge with remote connection and recording abilities that allow for less downtime, more accurate accountability for maintenance, and reporting that shows your customer how much water you save in your drilling operation. No more guessing, this machine records every drop of liquid it processes.

With continuous flow treatment rates of up to 42 Gal/Min, this machine is designed for P size coring operations with easy single touch adjustments for H and N size flow rates. The Earth Pro Total Fluid Recycler features a touch screen interface and a 25KVA Gen Set for reliable power.

The generator can handle other electrical loads around the site with 1-phase and 3-phase power available in 480v, 120V and 240V.



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GENERAL SPECS

Process liquid	Min. 0°C (32°F) - Max. 100°C (212°F)
Feed Capacity	1-10 M3/h (3-44 GPM)
Empty centrifuge weight	900 kg (1984lbs)
With Tank	3200lbs @ 115"Wx48"Dx80"H
Sound level	90 dBA at 1m
Cake Dryness	20-40% (depending on application)
Maximum main speed	4000 rpm
Maximum G-Force	3600 G
Bowl diameter	254 mm (10")
Bearing Lubrication	Manually Applied Grease
Flow type	Axial (Radial available depending on application)
Main motor	7.5Kw (10hp) WEG foot mount
Back drive motor	4Kw (5hp) WEG foot mount
Power supply (as configured)	480V/60Hz
Safety Controls	(1) speed sensor on back drive coupling (1) speed sensor on bowl (1) Lid/cover open sensor
Genset	20kW (25kVA), 3 PH & 1PH output
Engine & output	Isuzu Tier 4 33hp @ 1800rpm
Fuel Capacity	51.5 Gal (195L); 4.5L/h @ ¾ load
Sound Level, full load @ 23ft	62dB(A)
Dry weight	875kg (1929lbs)
With skid	3200lbs @ 115"Wx34"Dx67"H
Tank Dirty Side Volume	480gal 1800L
Tank Clean Side Volume	460gal 1700L
Transfer Pump	2 X Tsurumi HS2.4S, 2", 1/2 HP with camlock hoses