



The Most Advanced, Automatic,
Non-Disposable Liquid Filtration System



Zero Gravity Filters Smart Drum Fluid Recovery System

SPECIFICATION SHEET

System	
Housing/Tanks	Carbon Steel – exterior painted (ZGF Blue)
Drum Magnet	Dual Magnetic Circuit - permanent, rare earth, neodymium iron boron & ceramic
Magnetic Coolant Roll Housing	Stainless steel 304.
Motor and Gearbox Assembly	24 VDC, 1.9 Amp
Connections: Inlet/Outlet	Inlet: 1.5" MNPT. Outlet: 1.5" MNPT. Overflow/Vent: 2.0" MNPT

Controls	
Solid State Controls	Adjustments are made on touch pad membrane for the following: purge duration, purge interval, magnetic drum rotation duration.

Site Requirements	
Electrical Supply	24 VDC, 2 Amp
Approximate Dimensions	2' L x 2' W x 2.5' H; with Optional Stand/Frame: 3' L x 3' W x 7' H
Weight	Dry: 182 lbs (83 kg); Wet: 275 lbs (125 kg)
Approximate Fluid Volume	Upper Tank: 8.1 gallons; Lower Pan: 1.5 gallons

Operating Parameters	
Number of Magnets	(1) Magnetic Drum
Flow Rate	Batch Process–Maximum Flow: 75 gpm. <i>Orifice plate provides flow control.</i>
Operating Pressures	Maximum: 100 psi (690 kPa)
Operating Temperature	Maximum: 170°F (75°C). Higher Temperatures available.
Mode	Batch Process, can be modified for continuous operation
Estimated Energy Consumption	<1.0 kilowatt per day

Options	Standard	Upgrade	Upgrade
Paint Color/Specification	ZGF Blue	Customer Specification	
Solids Dewatering	None	Spring Tension Adjustable, Wringer Roller	
Safety Guard	None	Painted yellow safety guard	
Motor and Gearbox Assembly	24 VDC	110, 220, or 480 VAC	

Revision 8, January 2019

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