



Zero Gravity Filters Electrically Operated Phoenix

SPECIFICATION SHEET

Filter System	
Filter Element	Stainless steel 316 with stainless steel 316 cage assemblies
Filter Body	Stainless steel 304L.
Indexing Valve	Stainless steel 304 with polyacetal shoe.
Backwash Valve and Actuator	3/4" NPT stainless steel coaxial valve, stainless steel ball, and PTFE dynamic seals.
Connections	Inlet and outlet are 3" stainless steel 304 ANSI raised faced 150# flanges. Backwash connection is 3/4" NPT female.
O-rings and seats	Viton standard.

Controls	
Control System	Printed circuit board. Solid state controls.
Pressure Transducers	1/4" connection, stainless steel 316 housing. IP 67 protection. 4..20mA analog output.

Site Requirements	
Electrical Supply	24 VDC, 2 Amp.
Digital Outputs	Volt free contacts (normally open), 1 Amp, 120VAC/24VDC, resistive.
Approximate Dimensions and Weight	22 x 16 x 17" (55 x 40 x 44 cm) Dry: 75 lb, Wet: 109 lb (34, 49 kg)
Fluid Volume	4.1 Gallons

Electric Phoenix

Specification Sheet

Operating Parameters	
Number of Elements	6 per unit.
Flowrate (Based on clean differential pressure of less than 3 psi)	35 gpm (132 LPM) minimum, 250 gpm (946 LPM) maximum per Phoenix. 20µ: 60 gpm, 35µ: 110 gpm, 50µ: 150 gpm, 75µ: 180 gpm, 100-400µ: 250 gpm. Note: Maximum solids loading not to exceed 500 ppm.
Operating Pressure	120 psi (827 kPa/0.83 MPa) maximum, 230 psi (1,586 kPa/1.58 MPa) test pressure. Minimum of 35 psi (241 kPa/0.24 MPa) on filter's discharge during backwash. Maximum differential pressure of 50 psi (0.34 MPa).
Operating Temperature	160°F (71°C) maximum.
Micron Ratings	20, 35, 50, 75, 100, 150, 200, and 400 micron absolute gap.
Backwash Control	Automatically using interval timer and/or differential pressure or manually using push button.
Approximate Dimensions and Weight	22 x 16 x 17" (55 x 40 x 44 cm) Dry: 75 lb, Wet: 109 lb (34 kgs, 49.4 kgs)
Approximate Backwash Volume	5 gallons
Energy Consumption (per backwash)	Electrical: 2 amps (DC)

Materials	Standard	Upgrade	Upgrade
Filter Elements – Holder	30% Glass Filled Polypropylene	SS304	SS316
O-rings	Viton	Buna, EPDM	Options
Valve Seat	PTFE		

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