



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



Zero Gravity Filters Tornado Centrifugal Separator

SPECIFICATION SHEET

System	
Body	Carbon Steel. Body Aquence. Exterior powder coated ZGF Blue
Connections: Inlet/Outlet/Purge	Inlet and Outlet: 2" – 8" flanged. Purge: 1"- 2" with clean out port

Controls	
Pneumatically actuated ball valve with NAMUR mount air solenoid valve and Electronic Timer	Adjustments for purge duration and interval (1 second to 99 hours), and manual purge push button.

Site Requirements	
Electrical Supply	24 VDC, 1 Amp
Compressed Air	60 – 100 psi, clean dry and not lubricated
Approximate Dry Weight	2": 44 lbs (20 kg); 3": 79 lbs (36 kg); 4": 126 lbs (57 kg); 6": 256 lbs (116 kg) 8": 400 lbs (182 kg)
Approximate Fluid Volume	2": 3 gallons (11.4 liters); 3": 5 gallons (19 liters); 4": 10.5 gallons (40 liters) 6": 30 gallons (114 liters); 8": 53 gallons (201 liters)

Operating Parameters	
Flow Rate: Min / Max	2": 50 / 115 gpm (190 / 435 lpm); 3": 115 / 225 gpm (435 / 852 lpm) 4": 225 / 400 gpm (852 / 1,514 lpm); 6": 400 / 800 gpm (1,514 / 3,028 lpm) 8": 800 / 1,500 gpm (3,028 / 5,678 lpm)
Operating Pressures	Minimum: 20 psi (138 kPa) / Maximum: 100 psi (690 kPa)
Operating Temperature	Maximum: 170°F (75°C). Higher Temperatures available.
Estimated Energy Consumption	<1.0 kilowatt per day

Options	Standard	Upgrade	Upgrade
Paint Color/Specification	ZGF Blue	Customer Specification	
Controls	Electronic Timer	Turck Field Logic Controller	Mitsubishi PLC
Power Supply	24 VDC	110 VAC	
Materials of Construction	Carbon Steel	304 Stainless Steel	316 SS

Revision B, May 2020