



## Zero Gravity Filters Maggie 6-Core (MG600)

### SPECIFICATION SHEET

Filter System	
Body	5" Stainless steel 304L.
Magnet	Permanent, rare earth, neodymium iron boron.
Magnetic tube	Stainless steel 316L.
Ball Valve	Outlet/Purge: 1.25" 3-way ball valve. The valve has a stainless steel 316 body and ball with PTFE seats.
Actuator	Double acting, developing 601 in/lb at 80 psi. Manufactured by Assured Automation, size PD090.
Connections	Inlet: 1.25" Victaulic. Outlet/Purge: 1.25" FNPT
O-rings	Viton standard.

Controls	
Electrical Timer	Adjustments for purge duration and purge interval between 10ms and 99 hours. Manual purge push button. Housing made of ABS plastic, NEMA 4 (IP65) rated.
Air Solenoid Valve	ASCO direct mount 24 VDC or 120 VAC
Air Manifold Block	Aluminum

Site Requirements	
Air Supply	70 to 80 psi, clean and dry. 1/4" air supply connection. Required air flow is 32 standard cubic feet per minute (scfm).
Electrical Supply	24 VDC or 120 VAC
Pneumatic Pipework	1/4" pneumatic flexible tubing with push-in connectors
Approximate Dimensions and Weight	13 x 12" x 36" (33 x 30 x 91 cm). Dry: 147 lbs, Wet: 159 lbs (67 / 72 kgs)
Fluid Volume	1.25 gallons

**MG600**

**Specification Sheet**

Operating Parameters	
Number of Magnetic Shuttles	6 per unit.
Flowrate	75 gpm (284 LPM), maximum with water-based fluids. 50 gpm (190 LPM), maximum with oil (30 cSt at 40°C).
Operating Pressures	100 psi (690 kPa), maximum. 25 psi (172 kPa/0.17 mPa), minimum. 150 psi (1,035 kPa) test pressure
Operating Temperature	170°F (75°C) maximum.
Backwash Control	Automatically using electrical timer or manually using push button.
Energy Consumption (per purge)	Air: .66 cubic feet (rotate valve and shuttle Maggie) Electrical: 2.5 watts
Purge Volume	~6 gallons (5 seconds at 70 gpm)

Options	Standard	Upgrade	Upgrade	Upgrade
Controls	Electrical Timer	Field Logic Controller	Mitsubishi PLC	
O-rings	Viton	Buna or EPDM	ETP	
Actuator	Double Acting	Spring Return		
Air Solenoid Valve	ASCO Direct Mount	SMC	Options	
Magnetic Shuttle	170°F	195°F		

Revision H, January 2021.