

# GOLD ELECTRIC MOTOR (GEM) SERIES



A Y2K Fluid Power Brand

## For Heavy Duty Industrial Applications

Our dedicated by-pass filtration systems far exceed industry standards, filtering down to 1 micron will maintain cleanliness levels several grades cleaner than brand new oil, dramatically extending the life of lubricated components and oil. Increased filtration accuracy prevents wear in hydraulic, gear and diesel engine oil systems. Extending equipment life saves you time, money and resources.

Maximum contaminant holding capacity and water removal with depth filtration increases reliability and productivity for your most critical assets. Our GEM series offers full-time or scheduled, timed operation for 24/7 filtration. Heavy duty stationary filtration units securely mount to equipment or storage tanks. A variety of elements, plus a heater option, allows for filtration of viscosities up to 1000 cSt!

## Typical Applications:

- Mining Operations
- Power Plants
- Paper Mills
- Metal Stamping
- Injection Molding
- Marine Vessels
- Government Satellite Operations
- Hay Compression
- Bulk Storage
- Lube Rooms

## Features & Benefits:

- Filters down to 1 micron, several grades cleaner than new oil
- Moisture removal down to 100ppm
- Lower ISO codes
- Heater option allows for viscosities up to 1000 cSt
- Laser Particle Counter option so you can always know your oil condition in real time
- Sample port for easily drawn oil samples
- Depth-style filtration for maximum dirt holding capacity and efficiency
- Reduces Contamination Failure in Hydraulic Systems, Transmission Fluids, Gear Boxes, Stationary Engines, Lube Rooms, Machining Oils, Turbine Oils and Engine Oils



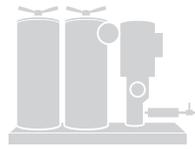
# GOLD ELECTRIC MOTOR (GEM) SERIES

Don't see the options you need?  
Contact Y2K at 1(888) 925-8882  
or sales@y2kfluidpower.com

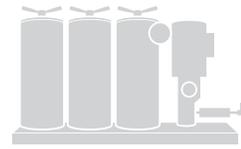
## Specifications



**GEM 100**



**GEM 200**



**GEM 300**



**GEM 400**

<b>OVERALL DIMENSIONS (W x L x H)</b>	14" x 25" x 32"	14" x 35" x 32"	14" x 44" x 32"	14" x 54" x 32"
<b>NET WEIGHT (w/element)</b>	105 lbs (48 kgs)	155 lbs (70 kgs)	182 lbs (83 kgs)	222 lbs (101 kgs)
<b>FILTER HOUSINGS</b>	1	2	3	4
<b>RESERVOIR CAPACITY</b>	Up to 1,000 gal* (3,785 liters)	Up to 2,000 gal* (7,570 liters)	Up to 3,000 gal* (11,356 liters)	Up to 4,000 gal* (15,142 liters)
<b>DIRT HOLDING CAPACITY</b>	5 lbs	10 lbs	15 lbs	20 lbs
<b>WATER HOLDING CAPACITY</b>	1 gallon	2 gallons	3 gallons	4 gallons
<b>HOUSING OIL CAPACITY</b>	20 quarts	40 quarts	60 quarts	80 quarts
<b>FLOW RATE</b>	2.5 GPM, 150 GPH (568 lph)	5 GPM, 300 GPH (1,136 lph)	7.5 GPM, 450 GPH (1,703 lph)	10 GPM, 600 GPH (2,271 lph)
<b>MOTOR RATING</b>	1 HP, 1,725 RPM (Gear Oil - 1,140 RPM)	1 HP, 1,725 RPM (Gear Oil - 1,140 RPM)	1 HP, 1,725 RPM (Gear Oil - 1,140 RPM)	1.5 HP, 1,725 RPM (Gear Oil - 1,140 RPM)
<b>INLET DIAMETER</b>	#12 JIC male	#12 JIC male	#12 JIC male	#12 JIC male
<b>OUTLET DIAMETER</b>	#10 JIC male	#10 JIC male	#10 JIC male	#10 JIC male
<b>VOLTAGE</b>	Single Phase/3 Phase, Wash Down 110/220, 360/480			
<b>RELIEF VALVE SETTING</b>	60 PSI	60 PSI	60 PSI	60 PSI
<b>VISCOSITY CAPABILITIES</b>	10/460 cSt Heater options for up to 1000 cSt	10/460 cSt Heater options for up to 1000 cSt	10/460 cSt Heater options for up to 1000 cSt	10/460 cSt Heater options for up to 1000 cSt
<b>OIL (ISO) CLEANLINESS</b>	16/15/12 or better*	16/15/12 or better*	16/15/12 or better*	16/15/12 or better*

\*ISO cleanliness codes will vary depending on operating conditions. Every industry application and operating environment is different. Please speak with a field service engineer with any questions to insure the appropriate size and filtration unit has been selected for your application.

\*\*Every industrial application and environment is different. Units are sized for a 15% turn of a hydraulic reservoir every hour. For higher ingress rates and excessive moisture removal or for engine oil or gear oil applications please speak with our application engineer to determine the right size unit for your application. Critical components might also require up sizing for optimally targeted ISO code results.



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