



BLACK GOLD Electric Motor (BGEM) Series

For Heavy Duty Industrial Applications



Fluid Cleanliness is Critical in Reducing Wear

Filtroil's dedicated by-pass filtration systems far exceed industry standards, filtering down between 1 and 5 microns absolute 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. High flow filters are available for heavier viscosities.

Industry Applications

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

Dedicated Filtration

- 1** Full-time or scheduled, timed operation for 24/7 filtration.
- 2** Heavy Duty Stationary Filtration Units securely mount to equipment or storage tanks
- 3** Laser Particle Counter Option so you always know your oil condition in real time

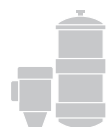
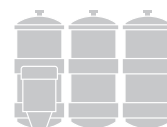
Features & Benefits

- Automatic high-pressure shutdown system for unattended operation
- Moisture removal down to 100ppm
- Lower ISO codes
- Reservoir capacity to 12,000 Gal.
- High flow filters are available for heavier viscosities
- Sample port for easily drawn oil samples
- Depth-style filtration for maximum dirt holding capacity and efficiency
- Reduces Contamination Failure in Hydraulic Systems, Gear Boxes, Stationary Engines, Lube Rooms, Machining Oils, Turbine Oils, Transmission Fluids and Engine Oils



BLACK GOLD Electric Motor (BGEM) Series

Specifications

**BGEM 100****BGEM 200****BGEM 300**

Overall Dimensions	22.5"W x 24"L x 35"H	22.5"W x 24"L x 35"H	22"W x 38.5"L x 35"H
Net Shipping Weight (w/element)	180 lbs	260 lbs	340 lbs
Filter Housings	1	2	3
Reservoir Capacity	Up to 1000 gal. * (3,785 liters)	Up to 2000 gal.* (11,356 liters)	Up to 3,000 gal.* (11,400 liters)
Dirt Holding Capacity	5 lbs	10 lbs	15 lbs
Water Holding Capacity	1 gallons	2 gallons	3 gallons
Housing Oil Capacity	20 quarts	40 quarts	60 quarts
Flow Rate	5 gpm, 210 GPH (798 lph)	8 gpm 360 GPH (1368 lph)	8.5 gpm 510 GPH (1938 lph)
Motor Rating	3/4 HP 1725 RPM (Gear Oil - 1140 RPM)	3/4HP 1725 RPM (Gear Oil - 1140 RPM)	1 HP 1725 RPM (Gear Oil - 1140 RPM)
Inlet Diameter	1/2" NPT	3/4" NPT	3/4" NPT
Outlet Diameter	1/2" NPT	3/4" NPT	3/4" NPT
Voltage	110V	110V	110V
Relief Valve Setting	70 PSI	70 PSI	70 PSI
Viscosity Capabilities	10/460 cSt High flow for up to 680 cSt	10/460 cSt High flow for up to 680 cSt	10/460 cSt High flow for up to 680 cSt
Oil (ISO) Cleanliness	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 ingestion 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.

***BLACK GOLD High Pressure series units come with a pressure compensated flow control valve that can see up to 3000 psi. These units have a relief valve setting so that the housing will never see more than 60 psi. 5000 psi flow control valves are available on request.



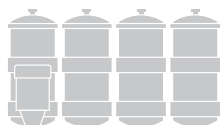
Filtroil, LLC - Headquarters
2600 E. Cary Street, Suite 5102
Richmond, Virginia 23223

TEL: 800.638.3866
TEL: 804.359.9125
EMAIL: filtroil@filtroil.com



BLACK GOLD Electric Motor (BGEM) Series

Specifications

**BGEM 400****BGEM 3000**

Overall Dimensions	22"W x 38.5"L x 35"H	40"W x 30"L x 35"H
Net Shipping Weight (w/element)	420 lbs	585 lbs
Filter Housings	4	1
Reservoir Capacity	Up to 4,000 gal.* (15,200 liters)	Up to 12,000 gal.* (45,600 liters)
Dirt Holding Capacity	20 lbs	15-20 lbs
Water Holding Capacity	4 gallons	6 gallons
Housing Oil Capacity	80 quarts	70 quarts
Flow Rate	11 gpm 660 GPH (2508 lph)	30 gpm 1800 GPH (6840 lph) *60 gpm optional
Motor Rating	1.5 HP 1725 RPM (Gear Oil - 1140 RPM)	2 HP 1725 RPM (Gear Oil - 1140 RPM)
Inlet Diameter	3/4" NPT	1 1/2" with male Cam Lock fittings
Outlet Diameter	3/4" NPT	1 1/2" with male Cam Lock fittings
Voltage	110V	220V
Relief Valve Setting	70 PSI	70 PSI
Viscosity Capabilities	10/460 cSt High flow for up to 680 cSt	10/460 cSt High flow for up to 680 cSt
Oil (ISO) Cleanliness	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 ingestion 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.

***BLACK GOLD High Pressure series units come with a pressure compensated flow control valve that can see up to 3000 psi. These units have a relief valve setting so that the housing will never see more than 60 psi. 5000 psi flow control valves are available on request.



Filtroil, LLC - Headquarters
2600 E. Cary Street, Suite 5102
Richmond, Virginia 23223

TEL: 800.638.3866
TEL: 804.359.9125
EMAIL: filtroil@filtroil.com