

# EGM<sup>LLC</sup>

PROCESS & CHEMICAL FEED EQUIPMENT

Oil & Gas • Power Generation • Chemical Processing • Mining • Pulp and Paper • Water Resources • Pharmaceutical

## ***BIOCIDE FEED SYSTEMS***

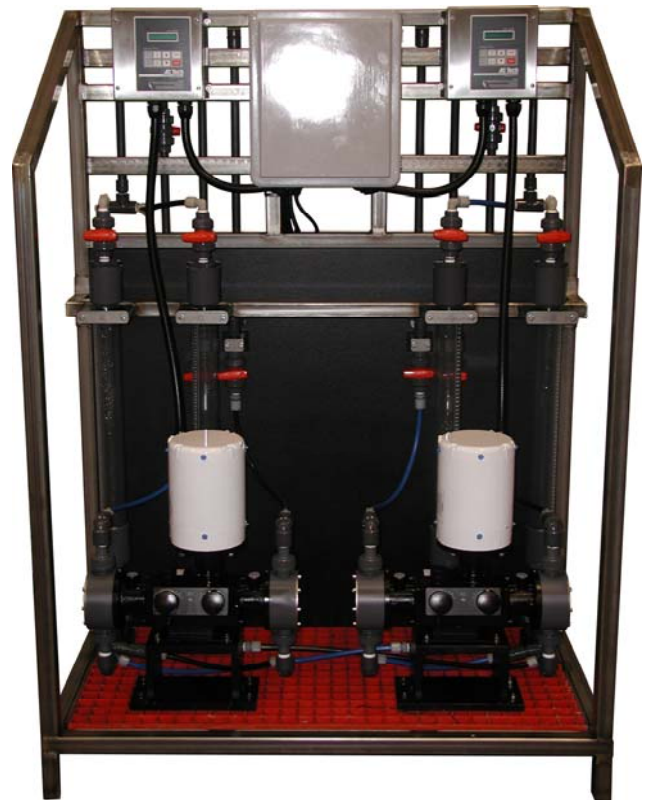


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**W**hen it comes to metering and controlling biocide and anti-microbial agents, EGM puts an emphasis on safety and accuracy. We built our EB series of biocide feed systems knowing that the chemicals being pumped through them can be costly, and certainly hazardous.

The EB series of biocide feeders are complete skid mounted, self-contained, systems that utilize mechanical diaphragm metering pumps to automatically deliver both oxidizing and non-oxidizing biocides into process systems. An incorporated system water flush cycle allows the operator to set the frequency and duration of the water flush (for both safety, accuracy, and reliability). Feed rates can be controlled locally using the touchpad interface located on the pump or remotely using a 4-20mA control signal. These systems are provided with capacity ranges from 1.1 GPH to 26.6 GPH and are available in three materials of construction (Stainless, PVC and PVDF) for chemical compatibility. Power configurations can also be changed for worldwide use.

All units come with a complete CD-ROM based operation and installation guide.



**B**iocide feed systems are available in customized configurations to meet the specific requirements of the program. For example, systems can be configured to run continuously, or on a batch basis by incorporating timers. Depending on the nature of the feed scheme and the injection point location, options such as a pulsation dampeners, back pressure valves, pressure regulators and post pump carrier water injection can be incorporated into the feed system.

EGM also has experience custom designing systems for specialty applications where two or more products must be fed and mixed on site in exact proportions. For certain applications, PLC driven systems can be utilized to help control logic of multi-step operations that may include product blending, feed, delivery and flushing of the lines after the feed cycle is complete.

**Don't forget your plumbing supplies! EGM can provide all required tubing, hose, piping, and fittings to get your EB Series Biocide System running safely to your process.**



**F**or simple installations fed from portable storage totes or tanks, EGM can supply economical and safe feed systems that are low in initial cost, but still equipped with reliable pumps and safe enclosures to prevent exposure to potentially harmful chemicals.

<b>SPECIFICATIONS</b>	
<b>Unit Capacities:</b>	EB6017542: 0 – 1.1 GPH (120 VAC, 1Ø, 60Hz ) EB6017543: 0 – 1.9 GPH (120 VAC, 1Ø, 60Hz ) EB6017544: 0 – 2.85 GPH (120 VAC, 1Ø, 60Hz ) EB6017545: 0 – 4.4 GPH (120 VAC, 1Ø, 60Hz ) EB6017546: 0 – 11 GPH (120 VAC, 1Ø, 60Hz ) EB6017547: 0 – 26.6 GPH (120 VAC, 1Ø, 60Hz )
<b>Chemical / Process:</b>	Chemical Flow Control: Manual Control (Pump Touchpad Interface) DCS Control (4-20mA Signal) Flush Water Flow Control: Automated Control (Solenoid Valve)



**D**epending on the nature of the chemical being fed, and the required flow demand, several different pump types are available.

EGM maintains inventory of Prominent Sigma and Gamma Series, as well as Grundfos DMH and DME Series pumps that can be used for biocide feed system applications.

Additionally, customer specific pumps can be used to comply with mill, plant, or site standards. Procurement relationships with LMI, Pulsatron and a host of other manufacturers allow EGM to source and build EB Series Biocide Feed Systems with the equipment client companies are most comfortable with.

To discuss the nature of your specific application, call EGM to have one of our system designers speak directly about your biocide handling needs.



# EGM BIOCID FEED UNIT MODEL CODE EXAMPLE

EB- PV 70 ROC03- 120- TC- X

Series:  
EB = Biocide Feed Systems

Configuration:  
PVC = PVC Plumbing  
PVDF = PVDF Plumbing

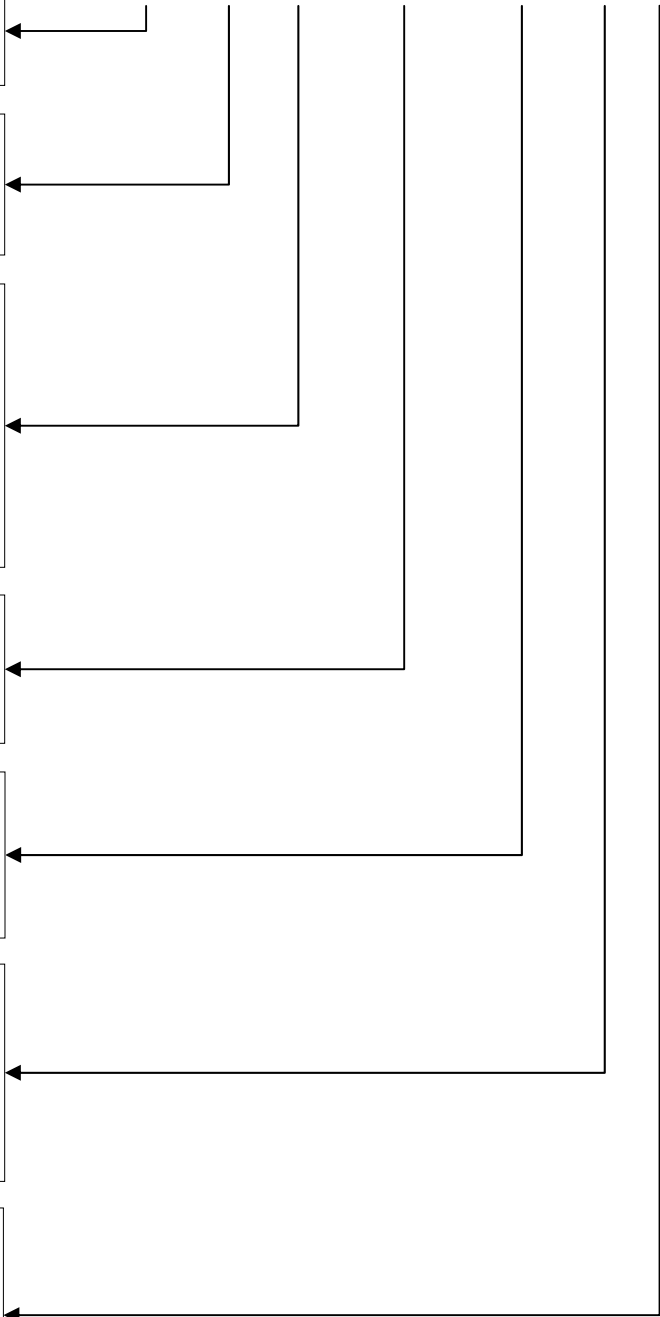
Capacity:  
70 = 70 cc/min  
120 = 120 cc/min  
180 = 180 cc/min  
280 = 280 cc/min  
700 = 700 cc/min  
1680 = 1680 cc/min

Pump Code:  
Designates specific pump used  
Example —ROC03 = Roper ROC 03 Series

Power:  
120 = 120 VAC  
480 = 480 VAC  
575 = CAS Certified 575 VAC

Option 1:  
X = None  
E = Enclosure  
TC = Timer (cycle type)  
WF = Water Flush

Option 2:  
X = None  
Q = Custom





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