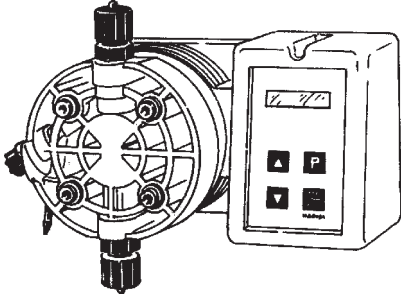


# "GMS DIGITAL" series Metering Pumps

# Data Sheet

## Configuration Info



115 VAC Metering pumps.



All metering pumps with 230 VAC and 115 VAC power supply with FP o-rings are listed NSF 50 (except for 00 100).

MODELS	
MF	"MF" Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA), stand-by and flow sensor input, alarm output, level control
DC	"DC" Digital constant pump, stand-by input, alarm output, level control
PH	"PH" Proportional pump driven by built in pH-meter and level control, supplied without pH probe.
RH	"RH" Proportional pump driven by built in ORP-meter and level control, supplied without Redox probe.

CAPACITIES		
2001	0.26 GPH (1 l/h) against 290 PSI (20 bar)	Tubing: 1/4"
1802	0.53 GPH (2 l/h) against 261 PSI (18 bar)	Tubing: 1/4"
1503	0.79 GPH (3 l/h) against 218 PSI (15 bar)	Tubing: 1/4"
2005	1.32 GPH (5 l/h) against 290 PSI (20 bar)	Tubing: 1/4"
1005	1.32 GPH (5 l/h) against 145 PSI (10 bar)	Tubing: 1/4"
1207	1.85 GPH (7 l/h) against 174 PSI (12 bar)	Tubing: 1/4"
0707	1.85 GPH (7 l/h) against 102 PSI (7 bar)	Tubing: 1/4"
1010	2.64 GPH (10 l/h) against 145 PSI (10 bar)	Tubing: 1/4"
0510	2.64 GPH (10 l/h) against 73 PSI (5 bar)	Tubing: 1/4"
0515	3.96 GPH (15 l/h) against 73 PSI (5 bar)	Tubing: 3/8"
0115	3.96 GPH (15 l/h) against 15 PSI (1 bar)	Tubing: 1/4"
0420	5.28 GPH (20 l/h) against 58 PSI (4 bar)	Tubing: 3/8"
0330	7.93 GPH (30 l/h) against 44 PSI (3 bar)	Tubing: 1/2"
0150	13.2 GPH (50 l/h) against 15 PSI (1 bar)	Tubing: 1/2"
00100	26.4 GPH (100 l/h) against 0 PSI (0 bar)	Tubing: 1/2"

Model G MF 2001 V 00 00

POWER SUPPLY	
03	115 VAC US plug
00	230 VAC Schuko plug
01	230 VAC without plug
04	24 VAC without plug
05	12 VDC *
07	24 VDC

\* Confirm capacity availability at 12 VDC with EMEC staff.

LIQUID ENDS								
	Head	Orings	Valve		Diaphragm	Tubing		Viscosity Max CPS
			Body	Balls		Delivery	Suction	
V	Polypropylene	Viton®	Polypropylene	Ceramic	PTFE	Polyethylene	PVC	50
D	Polypropylene	Ethylene Propylene	Polypropylene	Ceramic	PTFE	Polyethylene	PVC	50
W	Polypropylene	Nytrile	Polypropylene	Ceramic	PTFE	Polyethylene	PVC	50
T	Polypropylene	Viton®+PTFE	Polypropylene	Ceramic	PTFE	Polyethylene	PVC	50
S	Polypropylene	Silicone	Polypropylene	Ceramic	PTFE	PVDF	PVDF	50
A	Acrylic	Viton®	Polypropylene	Ceramic	PTFE	Polyethylene	PVC	50
K	PVDF	Viton®	PVDF	Ceramic	PTFE	PVDF	PVDF	50
P	PVDF	EPDM	PVDF	Ceramic	PTFE	PVDF	PVDF	50

Viton® is a registered trademark of DuPont Dow Elastomers.



ISO 9001 certified

1365 Piper Road  
Ashby, MA 01431

1-800-998-EMEC (3632)  
1-978-386-0000

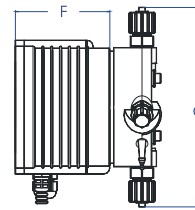
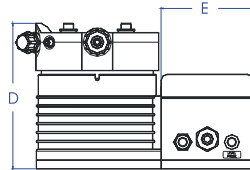
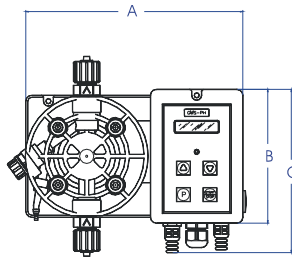
Fax 1-978-386-0002  
www.emecpumps.com

Specifications subject to change without notice.  
USA R1-12-05

# "GMS DIGITAL" series Metering Pumps

# Data Sheet

SPECIFICATIONS				
	Stroke speed		Average Input Power at max speed	Shipping weight
	Min	Max		
	Strokes per Hour	Strokes per Minute		
2001	1	120	22 Watt	11 Lbs (5 Kg)
1802	1	150	22 Watt	11 Lbs (5 Kg)
1503	1	150	22 Watt	11 Lbs (5 Kg)
2005	1	120	27 Watt	12.6 Lbs (5.7 Kg)
1005	1	150	22 Watt	11 Lbs (5 Kg)
1207	1	120	27 Watt	12.6 Lbs (5.7 Kg)
0707	1	150	22 Watt	11 Lbs (5 Kg)
1010	1	120	27 Watt	12.6 Lbs (5.7 Kg)
0510	1	150	22 Watt	11 Lbs (5 Kg)
0515	1	120	27 Watt	12.6 Lbs (5.7 Kg)
0115	1	150	22 Watt	11 Lbs (5 Kg)
0420	1	120	27 Watt	12.6 Lbs (5.7 Kg)
0330	1	120	27 Watt	12.6 Lbs (5.7 Kg)
0150	1	120	27 Watt	12.6 Lbs (5.7 Kg)
00100	1	120	27 Watt	12.6 Lbs (5.7 Kg)



DIMENSIONS		
	inch	mm
A	8.70	221
B	5.35	136
C	6.53	166
D	5.82	148
E	3.70	94
F	3.77	96
G	7.99	203

## IP65 enclosure (NEMA4x)

The series "GMS DIGITAL" dosing pumps are manufactured in moulded glass filled Polypropylene housing to ensure protection against aggressive chemicals and tough environment.

OUTPUT INFORMATION								
	Gallons per Hour		Liters per Hour		mL/cc per Stroke		Maximum Injection Pressure	
	Min	Max	Min	Max	Min	Max		
2001	0.110	0.26	0.42	1	0.42	0.14	290 PSI	20 bar
1802	0.018	0.53	0.069	2	0.069	0.23	261 PSI	18 bar
1503	0.026	0.79	0.099	3	0.099	0.33	218 PSI	15 bar
2005	0.055	1.32	0.21	5	0.21	0.7	290 PSI	20 bar
1005	0.044	1.32	0.168	5	0.168	0.56	145 PSI	10 bar
1207	0.077	1.85	0.294	7	0.294	0.98	174 PSI	12 bar
0707	0.061	1.85	0.234	7	0.234	0.78	102 PSI	7 bar
1010	0.110	2.64	0.42	10	0.42	1.4	145 PSI	10 bar
0510	0.087	2.64	0.33	10	0.33	1.1	73 PSI	5 bar
0515	0.166	3.96	0.63	15	0.63	2.1	73 PSI	5 bar
0115	0.134	3.96	0.51	15	0.51	1.7	15 PSI	1 bar
0420	0.222	5.28	0.84	20	0.84	2.8	58 PSI	4 bar
0330	0.332	7.93	1.26	30	1.26	4.2	44 PSI	3 bar
0150	0.554	13.2	2.1	50	2.1	7	15 PSI	1 bar
00100	1.109	26.4	4.2	100	4.2	14	0 PSI	0 bar



ISO 9001 certified

1365 Piper Road  
Ashby, MA 01431

1-800-998-EMEC( 3632)  
1-978-386-0000

Fax 1-978-386-0002  
www.emecpumps.com

Specifications subject to change without notice.  
USA R1-12-05