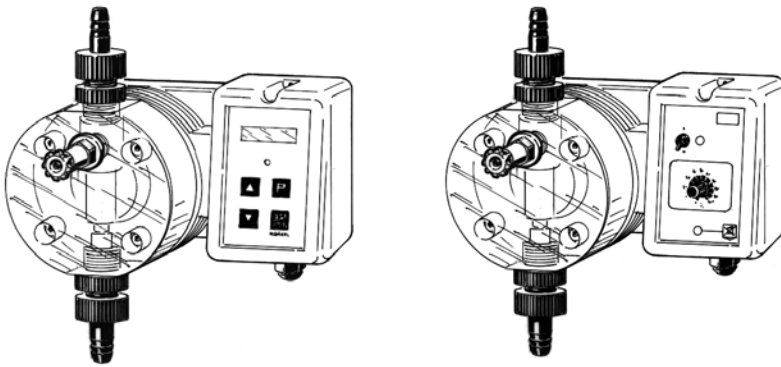


"G POLYMERS" series Metering Pumps

"GMS POLYMERS" series Metering Pumps

Data Sheet

Configuration



Power supply: 230 VAC (190÷265 VAC)
 Power supply: 115 VAC (90÷135 VAC)
 Power supply: 24 VAC (20÷32 VAC)



MODELS G ANALOG POLYMERS	
OP	"GPCO" Constant pump with pulse frequency adjustment.
MODELS GMS DIGITAL POLYMERS	
PD	"GMSP DC" Digital constant pump, stand-by input and alarm output and level control.
FP	"GMSP MF" Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA) stand-by and flow sensor input, alarm output and level control.
HP	"GMSP PH" Proportional pump driven by internal built-in pH meter (0÷14pH) with level control (supplied withouth level and pH probes)
PR	"GMSP RH" Proportional pump driven by internal built-in orp meter (0÷1000mv) with level control (supplied withouth level and Redox probes)

CAPACITIES			HOSE Suction	HOSE Delivery	VALVE Suction	VALVE Delivery
0601	1 l/h against 6 bar	0.26 GPH against 87 PSI	20x27	16x22	1"x20	3/4"x16
0403	3 l/h against 4 bar	0.79 GPH against 58 PSI	20x27	16x22	1"x20	3/4"x16
0208	8 l/h against 2 bar	2.11 GPH against 29 PSI	20x27	16x22	1"x20	3/4"x16
0120	20 l/h against 1 bar	5.28 GPH against 14 PSI	20x27	16x22	1"x20	3/4"x16
0,525	25 l/h against 0,5 bar	6.60 GPH against 7 PSI	20x27	16x22	1"x20	3/4"x16

POWER SUPPLY	
00	230 VAC Schuko plug
01	230 VAC without plug
03	115 VAC US plug

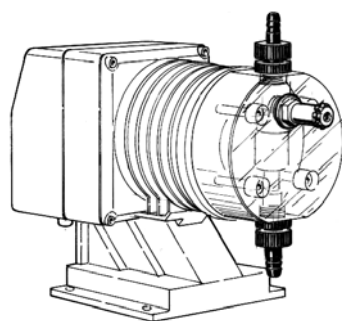
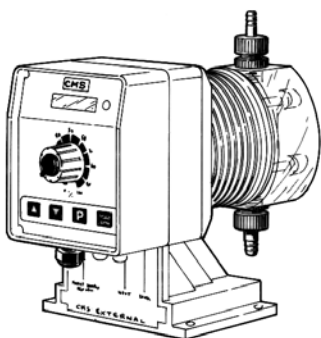
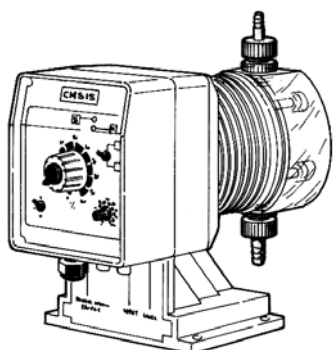
Model **G** **FP** **0801** **B** **00** **00**

LIQUID ENDS									
	Head	Orings	Valve			Diaphragm	Hose		Viscosity Max CPS
			Body	Balls	Spring		Delivery	Suction	
B	Acrylic	Viton®	Polypropylene	PTFE	Hastelloy	PTFE	PVC	PVC	50000

Viton® is a registered trademark of DuPont Dow Elastomers.



Configuration



Power supply: 230 VAC (190÷265 VAC)
 Power supply: 115 VAC (90÷135 VAC)
 Power supply: 24 VAC (20÷32 VAC)

MODELS CMS ANALOG POLYMERS		
PO	"CMSP CO"	Constant Pump with stroke speed (frequency) adjustment and stroke length adjustment.
SS	"CMSP IS"	Constant-Proportional pump driven by external digital signal, with level control (supplied without probe): to each external pulse corresponds one pump stroke.
VM	"CMSP PV"	Constant-Proportional pump driven by external digital signal, with pulse divider mode (ratio 1 to 1000) with level control (supplied without probe).
VP	"CMSP PVM"	Constant-proportional pump driven by external digital signal, level control (supplied without probe) with pulse divider mode (ratio 1 to 100) and multiplier mode (ratio 1 to 10).
PI	"CMSP IC"	Constant-Proportional pump driven by current signal (0/4mA = 0 impuls; 20mA = max impuls) and level control.
MODELS CMS DIGITAL POLYMERS		
PF	"CMSP MF"	Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA), stand-by and flow sensor input, alarm output and level control.
PP	"CMSP PH"	Proportional pump driven by internal built-in pH meter (0÷14pH) and level control, with level control (supplied without level and pH probes).
PR	"CMSP RH"	Proportional pump driven by internal built-in Redox (ORP) meter (0÷1000mv) with level control (supplied without level and Redox probes)

CAPACITIES			HOSE Suction	HOSE Delivery	VALVE Suction	VALVE Delivery
0802	2 l/h against 8 bar	0.52 GPH against 116 PSI	20x27	16x22	1"x20	3/4"x16
0604	4 l/h against 6 bar	1.05 GPH against 87 PSI	20x27	16x22	1"x20	3/4"x16
0410	10 l/h against 4 bar	2.64 GPH against 58 PSI	20x27	16x22	1"x20	3/4"x16
0225	25 l/h against 2 bar	6.60 GPH against 29 PSI	20x27	16x22	1"x20	3/4"x16
0140	40 l/h against 1 bar	10.56 GPH against 14 PSI	20x27	16x22	1"x20	3/4"x16

POWER SUPPLY	
00	230 VAC Schuko plug
0S	230 VAC Australian plug
01	230 VAC Without plug
03	115 VAC US Plug

Model C PO 0802 B 00 00

LIQUID ENDS									
	Head	Orings	Valve			Diaphragm	Hose		Viscosity Max CPS
			Body	Balls	Spring		Delivery	Suction	
B	Acrylic	Viton®	Polypropylene	PTFE	Hastelloy	PTFE	PVC	PVC	50000

Viton® is registered a trademark of DuPont Dow Elastomers.

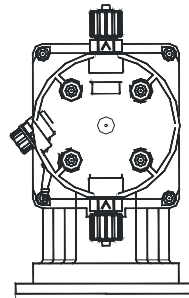
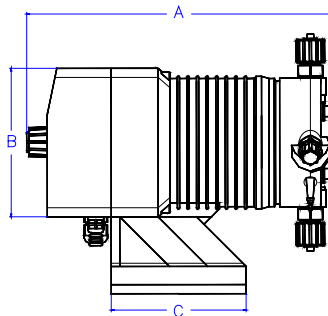
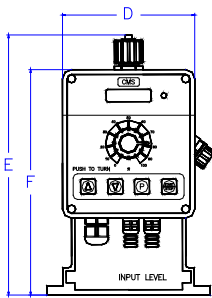


“CMS ANALOG Polymers” series Metering Pumps

Data Sheet

“CMS DIGITAL Polymers” series Metering Pumps

INFORMATION FOR CMS ANALOG POLYMERS MODELS					
	Stroke per minute		Stroke length range reliability	Power consumption at (230VAC)	Weight
	Min	Max			
0802	12	120	from 30% to 100%	42 Watt	9 Kg (19.8 Lbs)
0604	12	120			
0410	12	120			
0225	12	120			
0140	12	120			
INFORMATION CMS DIGITAL POLYMERS MODELS					
	Stroke speed		Stroke length range reliability	Power consumption at (230VAC)	Weight
	Min	Max			
	Stroke hour	Stroke minute			
0802	1	120	from 30% to 100%	42 Watt	9 Kg (19.8 Lbs)
0604	1	120			
0410	1	120			
0225	1	120			
0140	1	120			



DIMENSIONS		
	mm	inches
A	330.00	12.99
B	139.00	5.47
C	126.50	4.98
D	124.00	4.88
E	290.00	11.41
F	211.00	8.30
G	153.00	6.02

IP65 enclosure (NEMA4x)

“CMS ANALOG POLYMERS” and “CMS DIGITAL POLYMERS” metering pumps are manufactured in molded glass filled and Polypropylene housing to ensure protection against aggressive chemicals and tough environment.

Environment:
14°F - 113°F

MORE INFORMATION FOR CMS ANALOG POLYMERS MODELS								
	Flow				cc per Stroke		Maximum Injection Pressure	
	Min cc/h	Max l/h	Min GPH	Max GPH	Min	Max		
0802	60	2	0.015	0.52	0.084	0.28	8 bar	116 PSI
0604	120	4	0.031	1.05	0.168	0.56	6 bar	87 PSI
0410	300	10	0.079	2.64	0.42	1.4	4 bar	58 PSI
0225	750	25	0.198	6.60	1.05	3.5	2 bar	29 PSI
0140	1200	40	0.317	10.56	1.68	5.6	1 bar	14 PSI
MORE INFORMATION FOR CMS DIGITAL POLYMERS MODELS								
	Flow				cc per Stroke		Maximum Injection Pressure	
	Min cc/h	Max l/h	Min GPH	Max GPH	Min	Max		
0802	0.084	2	0.00002	0.52	0.084	0.28	8 bar	116 PSI
0604	0.168	4	0.00004	1.05	0.168	0.56	6 bar	87 PSI
0410	0.42	10	0.00011	2.64	0.42	1.4	4 bar	58 PSI
0225	1.05	25	0.00027	6.60	1.05	3.5	2 bar	29 PSI
0140	1.68	40	0.00044	10.56	1.68	5.6	1 bar	14 PSI



ISO 9001:2000
ISO 14001:2004

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 R2-11-06

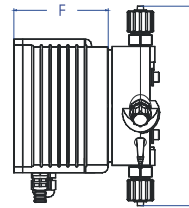
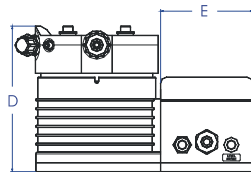
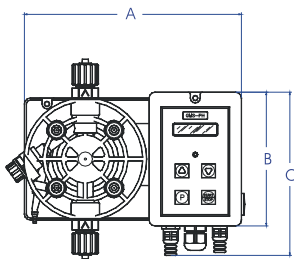
"G POLYMERS" series Metering Pumps

Data Sheet

"GMS POLYMERS" series Metering Pumps

INFORMATION FOR G ANALOG POLYMERS MODELS					
	Stroke per minute		Power consumption at (230VAC)	Power consumption at (115VAC)	Weight
	Min	Max			
0601	15	150	22 Watt	15 Watt	5 Kg (11 Lbs)
0403	12	120	27 Watt	21 Watt	5 Kg (11 Lbs)
0208	12	120	27 Watt	21 Watt	5 Kg (11 Lbs)
0120	12	120	27 Watt	21 Watt	5.7 Kg (12.6 Lbs)
0.525	12	120	27 Watt	21 Watt	5 Kg (11 Lbs)

INFORMATION FOR GMS DIGITAL POLYMERS MODELS					
	Speed stroke		Power consumption at (230VAC)	Power consumption at (115VAC)	Weight
	Min	Max			
	Stroke hour	Stroke minute			
0601	1	150	22 Watt	15 Watt	5 Kg (11 Lbs)
0403	1	120	27 Watt	21 Watt	5 Kg (11 Lbs)
0208	1	120	27 Watt	21 Watt	5 Kg (11 Lbs)
0120	1	120	27 Watt	21 Watt	5.7 Kg (12.6 Lbs)
0.525	1	120	27 Watt	21 Watt	5 Kg (11 Lbs)



DIMENSIONS		
	mm	inches
A	221	8.70
B	136	5.35
C	166	6.53
D	185	7.28
E	94	3.70
F	96	3.77
G	300	11.81

IP65 enclosure (NEMA4x)

"GMS DIGITAL Polymers" and "G ANALOG Polymers" metering pumps are manufactured in molded glass filled and Polypropilene housing to ensure protection against aggressive chemicals and tough environment.

ENVIRONMENT: -10°C - +45°C (14°F - 113°F)

MORE INFORMATION FOR G ANALOG POLYMERS MODELS								
	Flow				cc per Stroke		Maximum Injection Pressure	
	Min cc/h	Max l/h	Min GPH	Max GPH	Min	Max		
0601	100	1	0.026	0.26	0.014	0.14	6 bar	87 PSI
0403	300	3	0.079	0.79	0.042	0.42	4 bar	58 PSI
0208	800	8	0.21	2.11	0.12	1.2	2 bar	29 PSI
0120	2000	20	0.52	5.28	0.28	2.8	1 bar	14 PSI
0.525	2500	25	0.66	6.60	0.35	3.5	0.5 bar	7 PSI

MORE INFORMATION FOR GMS DIGITAL POLYMERS MODELS								
	Flow				cc per Stroke	Maximum Injection Pressure		
	Min cc/h	Max l/h	Min GPH	Max GPH	Max			
0601	0.14	1	0.0017	0.26	0.14	6 bar	87 PSI	
0403	0.42	3	0.0066	0.79	0.42	4 bar	58 PSI	
0208	1.2	8	0.017	2.11	1.2	2 bar	29 PSI	
0120	2.8	20	0.044	5.28	2.8	1 bar	14 PSI	
0.525	3.5	25	0.055	6.60	3.5	0.5 bar	7 PSI	



ISO 9001:2000
ISO 14001:2004

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ENG R2-11-06