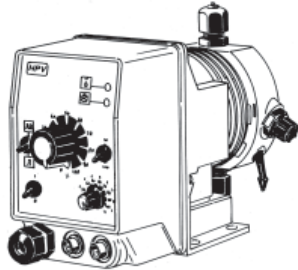
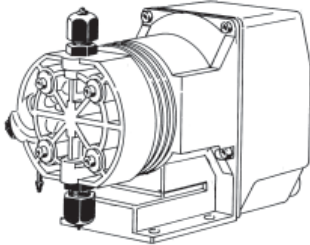


Configuration Info



MODELS		
	<i>self venting models</i>	
CO	OA	"CO" Constant pump with stroke speed (frequency) adjustment and stroke length adjustment
CL	LA	"CL" Constant pump with level control, stroke speed (frequency) adjustment and stroke length adjustment
IS	CS	"IS" Constant-proportional pump driven by external digital signal, with level control: to each external pulse correspond one pump stroke
PV	AV	"PV" Constant-proportional pump driven by external digital signal, with pulse divider mode (ratio 1 to 1000) and level control
MV	AM	"PVM" Constant-proportional pump driven by external digital signal, level control, with pulse divider mode (ratio 1 to 1000) and multiplier mode (ratio 1 to 10)
IC	AI	"IC" Constant-proportional pump driven by current signal (0 / 4mA = 0 pulses; 20mA = max pulses) and level control

CAPACITIES		
2001	0.26 GPH (1l/h) against 290 PSI (20 bar)	Tubing: 1/4"
1802	0.53 GPH (2 l/h) against 261 PSI (18 bar)	Tubing: 1/4"
1004	1.06 GPH (4 l/h) against 145 PSI (10 bar)	Tubing: 1/4"
0706	1.59 GPH (6 l/h) against 102 PSI (7 bar)	Tubing: 1/4"
0408	2.11 GPH (8 l/h) against 58 PSI (4 bar)	Tubing: 1/4"
0216	4.23 GPH (16 l/h) against 29 PSI (2 bar)	Tubing: 3/8"

CAPACITIES <i>self-venting metering pumps</i>		
200,5	0.13 GPH (0,5 l/h) against 290 PSI (20 bar)	Tubing: 1/4"
1801	0.26 GPH (1 l/h) against 261 PSI (18 bar)	Tubing: 1/4"
102,8	0.62 GPH (2,8 l/h) against 145 PSI (10 bar)	Tubing: 1/4"
0704	1.06 GPH (4 l/h) against 102 PSI (7 bar)	Tubing: 1/4"
0406	1.59 GPH (6 l/h) against 58 PSI (4 bar)	Tubing: 1/4"
0211	2.90 GPH (11 l/h) against 29 PSI (2 bar)	Tubing: 3/8"

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.

Model H **CO** **2001** **V** **00** **00**

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	Nitrile	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
Z	SS	Viton®	SS	SS	PTFE	N/A	N/A	50
\$	Acrylic	Viton®	Polypropylene	SS+Hastelloy spring	PTFE	Polyethylene ²	PVC ²	5000 ¹

Viton® is a registered trademark of DuPont Dow Elastomers.

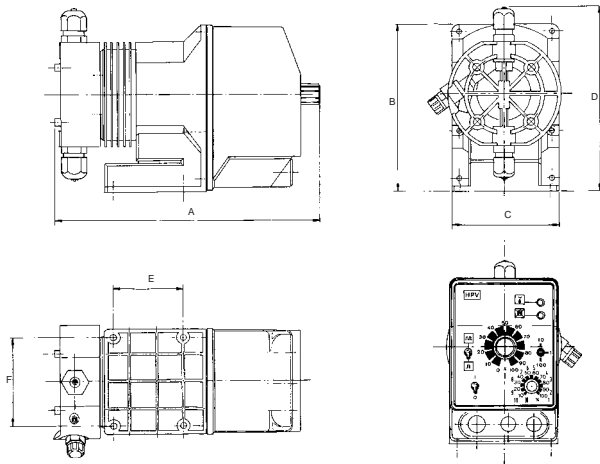
¹ Using high viscosity pump head "\$" pump output may results lower in some applications.

² Using high viscosity pump head "\$" tubing size will be: delivery 1/2", suction 16x22.

"H" series Metering Pumps

Data Sheet

SPECIFICATIONS					
	Strokes per Minute		Stroke length Recommended minimum	Average Input Power at max speed	Shipping weight
	Min	Max			
2001	12	120	30%	19 Watt	9.02 Lbs (4.1 Kg)
1802	15	150			
1004	15	150			
0706	15	150			
0408	15	150			
0216	15	150			
<i>Self-venting models</i>					
200,5	12	120			
1801	15	150			
102,8	15	150			
0704	15	150			
0406	15	150			
0211	15	150			



DIMENSIONS		
	inch	mm
A	9.29	236
B	5.66	144
C	3.58	91
D	6.29	160
E	2.40	61
F	3.03	77

IP65 enclosure (NEMA4x)

The series "H" 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	0.007	0.26	0.03	1	0.042	0.14	290.07 PSI	20 bar	
1802	0.015	0.52	0.06	2	0.069	0.23	261.07 PSI	18 bar	
1004	0.031	1.05	0.12	4	0.135	0.45	145.03 PSI	10 bar	
0706	0.047	1.58	0.18	6	0.198	0.66	101.52 PSI	7 bar	
0408	0.063	2.11	0.24	8	0.267	0.89	58.01 PSI	4 bar	
0216	0.126	4.22	0.48	16	0.54	1.8	29.00 PSI	2 bar	
OUTPUT INFORMATION <i>self-venting metering pumps</i>									
200,5	0.004	0.13	0.015	0.5	0.021	0.07	290.07 PSI	20 bar	
1801	0.007	0.26	0.03	1	0.033	0.14	261.07 PSI	18 bar	
102,8	0.022	0.74	0.084	2.8	0.093	0.31	145.03 PSI	10 bar	
0704	0.031	1.06	0.12	4	0.132	0.44	101.52 PSI	7 bar	
0406	0.047	1.59	0.18	6	0.201	0.67	58.01 PSI	4 bar	
0211	0.087	2.91	0.33	11	0.366	1.22	29.00 PSI	2 bar	