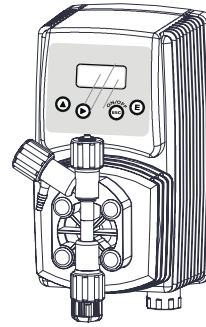


"VMS" series Metering Pumps Data Sheet

Configuration Data



MODELS

MF	"MF"	Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA), stand-by and flow sensor 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	1 l/h against 20 bar	0.26 GPH against 290 PSI	Tubing: 4x8
1802	2 l/h against 18 bar	0.52 GPH against 261 PSI	Tubing: 4x8
1804	4 l/h against 18 bar	1.05 GPH against 261 PSI	Tubing: 4x8
1502	2 l/h against 15 bar	0.52 GPH against 218 PSI	Tubing: 4x6
1504	4 l/h against 15 bar	1.05 GPH against 218 PSI	Tubing: 4x6
1505	5 l/h against 15 bar	1.32 GPH against 218 PSI	Tubing: 4x6
1004	4 l/h against 10 bar	1.05 GPH against 145 PSI	Tubing: 4x6
1005	5 l/h against 10 bar	1.32 GPH against 145 PSI	Tubing: 4x6
1010	10 l/h against 10 bar	2.64 GPH against 145 PSI	Tubing: 4x6
0706	6 l/h against 7 bar	1.58 GPH against 102 PSI	Tubing: 4x6
0510	10 l/h against 5 bar	2.64 GPH against 72 PSI	Tubing: 4x6
0512	12 l/h against 5 bar	3.17 GPH against 72 PSI	Tubing: 4x6
0408	8 l/h against 4 bar	2.11 GPH against 58 PSI	Tubing: 4x6
0310	10 l/h against 3 bar	2.64 GPH against 43 PSI	Tubing: 4x6
0214	14 l/h against 2 bar	3.70 GPH against 29 PSI	Tubing: 4x6
0116	16 l/h against 1 bar	4.22 GPH against 14 PSI	Tubing: 4x6

POWER SUPPLY

00	230 VAC Schuko plug
0S	230 VAC Australian plug
01	230 VAC without plug
03	115 VAC US plug
04	24 VAC without plug
05	12 VDC *
07	24 VDC

* Confirm capacity availability at 12 VDC with EMEC staff.

Model V MF 2001 4 00 00

LIQUID ENDS

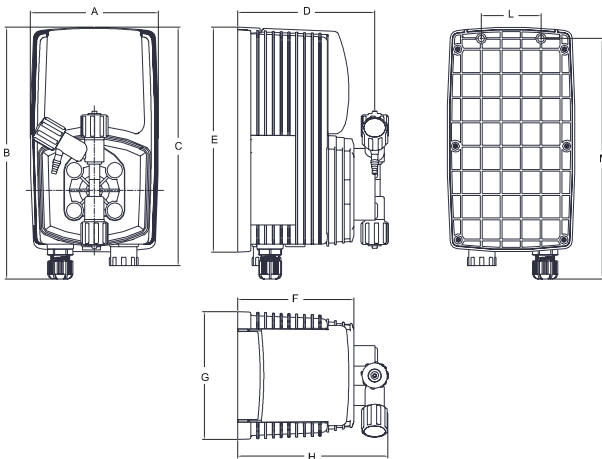
	Head	Orings	Valve		Diaphragm	Tubing		Viscosity Max CPS
			Body	Balls		Delivery	Suction	
1	PVDF	Viton®	PVDF	Ceramic	PTFE	PVDF	PVDF	100
2	PVDF	EPDM	PVDF	Ceramic	PTFE	PVDF	PVDF	100
4 *	PVDF	Viton®	PVDF	Ceramic	PTFE	PVDF	PVDF	100
5 *	PVDF	EPDM	PVDF	Ceramic	PTFE	PVDF	PVDF	100

Viton® is a registered trademark of DuPont Dow Elastomers.
* Use this code for capacities up to 1 l/h.

“VMS” series Metering Pumps

Data Sheet

SPECIFICATIONS				
	Strokes Speed		Average Input Power at max speed	Shipping weight
	Min	Max		
	Strokes per hour	Strokes per minute		
2001	1	180	16 Watt	2.2 Kg (4.85 Lbs)
1802	1	180	16 Watt	
1804	1	180	22 Watt	
1502	1	180	16 Watt	
1504	1	180	16 Watt	
1505	1	180	22 Watt	
1004	1	180	16 Watt	
1005	1	180	16 Watt	
1010	1	180	22 Watt	
0706	1	180	16 Watt	
0510	1	180	16 Watt	
0512	1	180	22 Watt	
0408	1	180	16 Watt	
0310	1	180	16 Watt	
0214	1	180	16 Watt	
0116	1	180	16 Watt	



DIMENSIONS		
	mm	inch
A	106.96	4.21
B	210.44	8.28
C	199.44	7.85
D	114.50	4.50
E	187.96	7.40
F	97.00	3.81
G	106.96	4.21
H	125.47	4.93
L	50.00	1.96
M	201.00	7.91

IP65 enclosure (NEMA4x)

The series “VMS” dosing pumps are manufactured in moulded glass filled PPO (Noryl® - modified PPO resin) housing to ensure protection against aggressive chemicals and tough environment.

Noryl® - modified PPO resin - is a registered trademark of General Electrics Company.

OUTPUT INFORMATION								
	Liters per Hour		Gallons per Hour		mL/cc per Stroke		Maximum Injection Pressure	
	Min	Max	Min	Max	Min	Max		
2001	0.03	1	0.007	0.26	0.027	0.09	20 bar	290 PSI
1802	0.06	2	0.015	0.52	0.057	0.19	18 bar	261 PSI
1804	0.12	4	0.031	1.05	0.111	0.37	18 bar	261 PSI
1502	0.06	2	0.015	0.52	0.057	0.19	15 bar	218 PSI
1504	0.12	4	0.031	1.05	0.111	0.37	15 bar	218 PSI
1505	0.15	5	0.039	1.32	0.138	0.46	15 bar	218 PSI
1004	0.12	4	0.031	1.05	0.111	0.37	10 bar	145 PSI
1005	0.15	5	0.039	1.32	0.138	0.46	10 bar	145 PSI
1010	0.3	10	0.079	2.64	0.279	0.93	10 bar	145 PSI
0706	0.18	6	0.047	1.58	0.168	0.56	7 bar	102 PSI
0510	0.3	10	0.079	2.64	0.279	0.93	5 bar	72 PSI
0512	0.36	12	0.095	3.17	0.333	1.11	5 bar	72 PSI
0408	0.24	8	0.063	2.11	0.222	0.74	4 bar	58 PSI
0310	0.3	10	0.079	2.64	0.279	0.93	3 bar	43 PSI
0214	0.42	14	0.111	3.70	0.39	1.30	2 bar	29 PSI
0116	0.48	16	0.126	4.22	0.444	1.48	1 bar	14 PSI