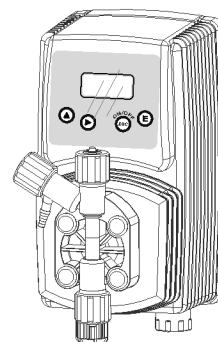


"VMS" Self Venting series Metering Pumps

Data Sheet

Configuration

Wall mounted metering pump with display, microprocessor technology, digital controls and self-venting pump head



MODELS

AF	"VMSA MF"	Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt , mA) with level control.
AH	"VMSA PH"	Proportional pump driven by internal built-in pH meter (0÷14pH) with level control (supplied without pH probe)
AR	"VMSA RH"	Proportional pump driven by internal built-in orp meter (0÷1000mV) with level control (supplied without Redox probe)

CAPACITIES

HOSE

Model	Capacity (l/h)	Pressure (bar)	Flow (GPH)	Pressure (PSI)	Hose Size
1802	2	against 18 bar	0.52	against 261 PSI	4x8
1503	3	against 15 bar	0.79	against 217 PSI	4x6
1501	1	against 15 bar	0.26	against 217 PSI	4x6
103,4	3.4	against 10 bar	0.89	against 145 PSI	4x6
1007	7	against 10 bar	1.84	against 145 PSI	4x6
1002	2	against 10 bar	0.52	against 145 PSI	4x6
0704	4	against 7 bar	1.05	against 101 PSI	4x6
057,5	7.5	against 5 bar	1.98	against 72 PSI	4x6
0509	9	against 5 bar	2.37	against 72 PSI	4x6
045,5	5.5	against 4 bar	1.45	against 58 PSI	4x6
0307	7	against 3 bar	1.84	against 43 PSI	4x6
0213	13	against 2 bar	3.43	against 29 PSI	4x6
0113,5	13.5	against 1 bar	3.56	against 14 PSI	4x6

Power supply: 230 VAC (190÷265 VAC)
Power supply: 115 VAC (90÷135 VAC)
Power supply: 24 VAC (20÷32 VAC)
Power supply: 12 VDC (10÷16 VDC)

Model V AO 1802 4 00 00

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

* Not available on some models.

LIQUID ENDS

	Head	Orings	Valve		Diaphragm	Hose		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.

* Using this model for flows up to 1 l/h.



ISO 9001 certified

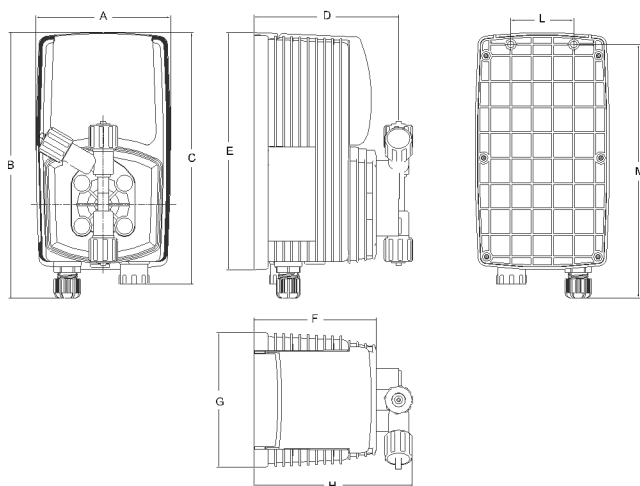
Via Donatori di sangue, 1 - 02100 Vazia (RI) - Italy
Tel. +39 0746 2284 1 - Fax +39 0746 2284 2 - <http://www.emec.it>

Specifications subject to change without notice.
ENG R2-11-06

"VMS"Self Venting series Metering Pumps

Data Sheet

INFORMATION				
	Speed Stroke		Power consumption (230VAC)	Weight
	Min Stroke hour	Max Stroke minute		
1802	1	180	22 Watt	2.2 Kg (4.85 Lbs)
1503	1	180	16 Watt	
1501	1	180	16 Watt	
103,4	1	180	16 Watt	
1007	1	180	22 Watt	
1002	1	180	16 Watt	
0704	1	180	16 Watt	
057,5	1	180	16 Watt	
0509	1	180	22 Watt	
045,5	1	180	16 Watt	
0307	1	180	16 Watt	
0213	1	180	22 Watt	
0113,5	1	180	16 Watt	



DIMENSIONS		
	mm	inches
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)
"V" series metering pumps are manufactured in molded glass and PPO (Noryl® - modified PPO resin) housing to ensure protection against aggressive chemicals and tough environment.

Noryl® -modified PPO resin -is are registered trademark of General Electric Company.

MORE INFORMATION							
	Flow				cc per Stroke	Maximum Injection Pressure	
	Min cc/h	Max l/h	Min GPH	Max GPH			
1802	0.19	2	0.00005	0.52	0.19	18 bar	261 PSI
1503	0.28	3	0.00007	0.79	0.28	15 bar	217 PSI
1501	0.1	1	0.00002	0.26	0.1	15 bar	217 PSI
103,4	0.32	3.4	0.00008	0.89	0.32	10 bar	145 PSI
1007	0.65	7	0.00017	1.84	0.65	10 bar	145 PSI
1002	0.19	2	0.00005	0.52	0.19	10 bar	145 PSI
0704	0.37	4	0.00009	1.05	0.37	7 bar	101 PSI
057,5	0.7	7.5	0.00018	1.98	0.7	5 bar	72 PSI
0509	0.84	9	0.00022	2.37	0.84	5 bar	72 PSI
045,5	0.51	5.5	0.00013	1.45	0.51	4 bar	58 PSI
0307	0.65	7	0.00017	1.84	0.65	3 bar	43 PSI
0213	1.2	13	0.00031	3.43	1.2	2 bar	29 PSI
0113,5	1.25	13.5	0.00033	3.56	1.25	1 bar	14 PSI