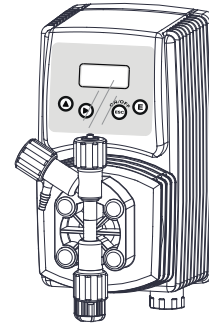


# "VMS DIGITAL" series Metering Pumps

# Data Sheet



## Configuration Code



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		
CODE	MODEL	FUNCTION
MF	"VMS MF"	Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA, %, ml/q), with level control. Recovery fault mode, work-pause mode and upkeep mode.
PH	"VMS PH"	Proportional pump driven by internal built-in pH meter (0-14pH) and level control, supplied without probe. Also available with mA output (0/4 - 20 mA).
RH	"VMS RH"	Proportional pump driven by internal built-in orp meter (0-1000mV) and level control, supplied without probe.
EN	"VMS EN"	Pump with weekly timer, microprocessor, digital controls, LCD display, level probe and electrovalve control.

CAPACITIES				
	VMS Models		Hoses	Pump head
	Flow	Pressure		
2001	1 l/h at 20 bar	0.26 GPH at 290 PSI	4 x 8	J
1802	2 l/h at 18 bar	0.52 GPH at 261 PSI	4 x 8	K
1804	4 l/h at 18 bar	1.05 GPH at 261 PSI	4 x 8	K
1502	2 l/h at 15 bar	0.52 GPH at 217 PSI	4 x 6	K
1504	4 l/h at 15 bar	1.05 GPH at 217 PSI	4 x 6	K
1505	5 l/h at 15 bar	1.32 GPH at 217 PSI	4 x 6	K
1004	4 l/h at 10 bar	1.05 GPH at 145 PSI	4 x 6	K
1005	5 l/h at 10 bar	1.32 GPH at 145 PSI	4 x 6	K
1010	10 l/h at 10 bar	2.64 GPH at 145 PSI	4 x 6	K
0706	6 l/h at 7 bar	1.58 GPH at 101 PSI	4 x 6	K
0510	10 l/h at 5 bar	2.64 GPH at 72 PSI	4 x 6	K
0512	12 l/h at 5 bar	3.17 GPH at 72 PSI	4 x 6	K
0501	1 l/h at 5 bar	0.26 GPH at 72 PSI	4 x 6	J
0408	8 l/h at 4 bar	2.11 GPH at 58 PSI	4 x 6	K
0310	10 l/h at 3 bar	2.64 GPH at 43 PSI	4 x 6	K
0217	17 l/h at 2 bar	4.49 GPH at 29 PSI	6 x 8	K
0116	16 l/h at 1 bar	4.22 GPH at 14 PSI	6 x 8	K

Model            V    MF    2001    4    00    00

POWER SUPPLY	
00	230 VAC Schuko plug
05	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

\* On some models only.

LIQUID ENDS								
	HEAD	ORINGS	VALVES		DIAPHRAGM	HOSES		VISCOSITY
			Body	Balls		Delivery	Suction	Max CPS
1	PVDF	Viton ®	PVDF	Ceramic	PTFE	PE	PVC	100
3	PVDF	EPDM	PVDF	Ceramic	PTFE	PE	PVC	100
4*	PVDF	Viton ®	PVDF	Ceramic	PTFE	PE	PVC	100
5*	PVDF	EPDM	PVDF	Ceramic	PTFE	PE	PVC	100

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



ISO 9001:2008  
 ISO 14001:2004  
 OHSAS 18001:2007



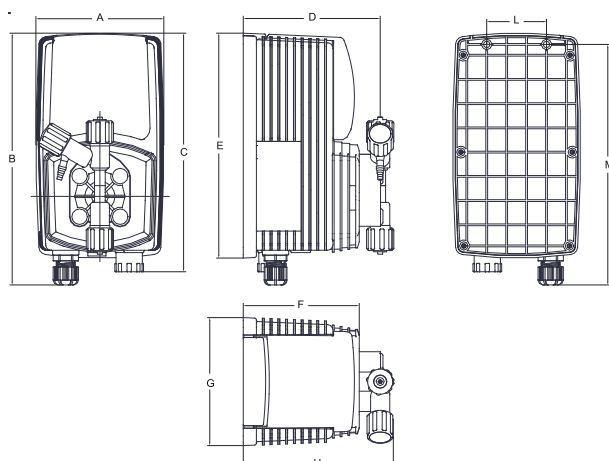
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Specifications subject to change without notice.  
 ENG R1-05-10

# "VMS DIGITAL" series Metering Pumps

## Data Sheet

INFORMATION				
Models	Strokes speed		Power consumption at max flow (230 VAC)	Weight
	min	max		
	Strokes hour	Strokes 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	
0501	1	180	16 Watt	
0408	1	180	16 Watt	
0310	1	180	16 Watt	
0217	1	180	16 Watt	
0116	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

IP65 enclosure (NEMA4x)  
 "VMS" series metering pump are manufactured in molded glass filled and Polypropylene housing to ensure protection against aggressive chemicals and tough environment.

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

MORE INFORMATION ABOUT VMS MODELS							
Model	FLOW				cc per STROKE	Maximum pressure	
	min cc/h	max l/h	Min GPH	Max GPH		bar	PSI
2001	0,1	1	0,00002	0.26	0,1	20	290
1802	0,19	2	0,00005	0.52	0,19	18	261
1804	0,37	4	0,00009	1.05	0,37	18	261
1502	0,19	2	0,00005	0.52	0,19	15	217
1504	0,37	4	0,00009	1.05	0,37	15	217
1505	0,46	5	0,00012	1.32	0,46	15	217
1004	0,37	4	0,00009	1.05	0,37	10	145
1005	0,46	5	0,00012	1.32	0,46	10	145
1010	0,93	10	0,00024	2.64	0,93	10	145
0706	0,56	6	0,00014	1.58	0,56	7	101
0510	0,93	10	0,00024	2.64	0,93	5	72
0512	1,11	12	0,00029	3.17	1,11	5	72
0501	0,1	1	0,00002	0.26	0,1	5	72
0408	0,74	8	0,00019	2.11	0,74	4	58
0310	0,93	10	0,00024	2.64	0,93	3	43
0217	1,57	17	0,00041	4.49	1,57	2	29
0116	1,48	16	0,00039	4.22	1,48	1	14

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