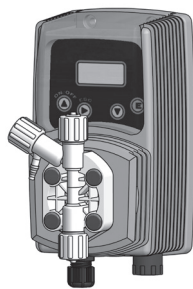


"VMS PO" series Metering Pumps

Data Sheet



- Wall mounted, with display
- Manual venting PVDF pump head (VMS PO) or self venting PVDF pump head (VMSA PO)
- All liquid ends (pump head, injection valve, foot filter) PVDF
- Enclosure PPO
- Environment temperature.....0-45°C (32-113°F)
- Chemical temperature.....0-50°C (32-122°F)
- Transportation and storage temperature.....-10-50°C (14-122°F)
- Altitude2000 m AMSL
- Installation classII
- Pollution level.....2
- Audible noise.....70.4db(A)
- Protection degreeIP 65 (RU working %: 85% with T<=40°C; 70% with T=50°C without condensing water)

Configuration Code

MODELS		
CODE	MODEL	FUNCTION
PO	"VMS PO"	<ul style="list-style-type: none"> • pH or ORP control and regulation: parameter set by menu. • Range: pH: 0/14 pH; ORP: -1000mV/+1000mV. • Fast calibration on standard value. • Restore last calibration saved. • Alarm output statut N.O. / N.C. • Programmable delay at dosing start up. • Stand-by input. • Optional level alarm output.
AP	"VMSA PO"	VMS PO with self venting pump head

CAPACITIES											
VMS PO Models					Hoses	Pump head	VMSA PO Models			Hoses	Pump head
2001	1 l/h at 20 bar	0.26 GPH at 290 PSI	4 x 8	J			1802	0.52 GPH at 261 PSI	4 x 8	KA	
1802	2 l/h at 18 bar	0.52 GPH at 261 PSI	4 x 8	K			1503	0.79 GPH at 217 PSI	4 x 6	KA	
1804	4 l/h at 18 bar	1.05 GPH at 261 PSI	4 x 8	K			1501	0.26 GPH at 217 PSI	4 x 6	KA	
1502	2 l/h at 15 bar	0.52 GPH at 217 PSI	4 x 6	K			103.4	0.89 GPH at 145 PSI	4 x 6	KA	
1504	4 l/h at 15 bar	1.05 GPH at 217 PSI	4 x 6	K			1007	1.84 GPH at 145 PSI	4 x 6	KA	
1505	5 l/h at 15 bar	1.32 GPH at 217 PSI	4 x 6	K			1002	0.52 GPH at 145 PSI	4 x 6	KA	
1004	4 l/h at 10 bar	1.05 GPH at 145 PSI	4 x 6	K			100.5	0.14 GPH at 145 PSI	4 x 6	JA	
1005	5 l/h at 10 bar	1.32 GPH at 145 PSI	4 x 6	K			0704	1.05 GPH at 101 PSI	4 x 6	KA	
1010	10 l/h at 10 bar	2.64 GPH at 145 PSI	4 x 6	K			057.5	1.98 GPH at 72 PSI	4 x 6	KA	
0706	6 l/h at 7 bar	1.58 GPH at 101 PSI	4 x 6	K			0509	2.37 GPH at 72 PSI	4 x 6	KA	
0510	10 l/h at 5 bar	2.64 GPH at 72 PSI	4 x 6	K			045.5	1.45 GPH at 58 PSI	4 x 6	KA	
0512	12 l/h at 5 bar	3.17 GPH at 72 PSI	4 x 6	K			0307	1.84 GPH at 43 PSI	4 x 6	KA	
0501	1 l/h at 5 bar	0.26 GPH at 72 PSI	4 x 6	J			0212	3.2 GPH at 29 PSI	6 x 8	KA	
0408	8 l/h at 4 bar	2.11 GPH at 58 PSI	4 x 6	K			0113.5	3.56 GPH at 14 PSI	6 x 8	KA	
0310	10 l/h at 3 bar	2.64 GPH at 43 PSI	4 x 6	K							
0215	15 l/h at 2 bar	3.96 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 PO 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 Max CPS
			Body	Balls		Delivery	Suction	
1	PVDF	FKM B	PVDF	Ceramic	PTFE	PE	PVC	100
3	PVDF	EPDM	PVDF	Ceramic	PTFE	PE	PVC	100
4*	PVDF	FKM B	PVDF	Ceramic	PTFE	PE	PVC	100
5*	PVDF	EPDM	PVDF	Ceramic	PTFE	PE	PVC	100
V	PP	FKM B	PP	Ceramic	PTFE	PVDF	PVC	100
D	PP	EPDM	PP	Ceramic	PTFE	PVDF	PVC	100
W	PP	Nytrile	PP	Ceramic	PTFE	PVDF	PVC	100

* Use for capacities up to 1 l/h.



ISO 9001:2015
ISO 14001:2004
OHSAS 18001:2007



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VMS PO Technical features

VMS PO					
MODEL	Strokes speed		Power consumption at max flow (230 VAC)	Power consumption at max flow (115 VAC)	Weight
	min	max			
2001	1	180	16	13	2,2 KG (4.85 LBS)
1802	1	180	16	13	
1804	1	180	22	15	
1502	1	180	16	11	
1504	1	180	16	13	
1505	1	180	22	15	
1004	1	180	16	11	
1005	1	180	16	13	
1010	1	180	22	15	
0706	1	180	16	11	
0510	1	180	16	13	
0512	1	180	22	15	
0501	1	180	16	11	
0408	1	180	16	11	
0310	1	180	16	11	
0215	1	180	16	13	
0116	1	180	16	13	

CAPACITY						
MODEL	FLOW			cc per STROKE	Maximum pressure	
	min cc/h	max l/h	Max GPH		bar	PSI
2001	0.09	1	0.26	0.09	20	290
1802	0.19	2	0.53	0.19	18	261
1804	0.37	4	1.06	0.37	18	261
1502	0.19	2	0.53	0.19	15	217
1504	0.37	4	1.06	0.37	15	217
1505	0.46	5	1.32	0.46	15	217
1004	0.37	4	1.06	0.37	10	145
1005	0.46	5	1.32	0.46	10	145
1010	0.93	10	2.64	0.93	10	145
0706	0.56	6	1.58	0.56	7	101
0510	0.93	10	2.64	0.93	5	72
0512	1.11	12	3.17	1.11	5	72
0501	0.09	1	0.26	0.09	5	72
0408	0.74	8	2.11	0.74	4	58
0310	0.93	10	2.64	0.93	3	43
0215	1.39	15	3.96	1.39	2	29
0116	1.48	16	4.23	1.48	1	14

FUSE		
MODEL	230 VAC	115 VAC
2001	1 A	500 mA
1802	1 A	500 mA
1804	1.25 A	630 mA
1502	800 mA	400 mA
1504	1 A	500 mA
1505	1.25 A	630 mA
1004	800 mA	400 mA
1005	1 A	500 mA
1010	1.25 A	630 mA
0706	800 mA	400 mA
0510	1 A	500 mA
0512	1.25 A	630 mA
0501	800 mA	400 mA
0408	800 mA	400 mA
0310	800 mA	400 mA
0215	1.25	630
0116	1 A	500 mA

QUANTITY	PACKAGE CONTENT
n. 1	Assembly kit
n. 1	5 X 20 delayed fuse
n. 1	Level probe with axial foot filter (PVDF)
n. 1	0,3 Bar injection valve (PVDF)
m 2	Delivery hose
m 2	Suction hose
m 2	Discharge hose
m 2	Stand-by cable
n.1	Operating manual

POWER SUPPLY	FREQUENCY
230 VAC (190-265 VAC)	50/60 Hz
115 VAC (90-135 VAC)	50/60 Hz
24 VAC (20-32 VAC)	50/60 Hz
12 VDC (10-16 VDC)	/

"VMS PO" series Metering Pumps

Data Sheet

VMSA PO Technical features

VMSA PO					
Models	Strokes speed		Power consumption at max flow (230 VAC)	Power consumption at max flow (115 VAC)	Weight
	min	max			
1802	1	180	22	15	2,2 KG (4.85 LBS)
1503	1	180	22	15	
1501	1	180	16	11	
103,4	1	180	16	13	
1007	1	180	22	15	
1002	1	180	16	11	
100,5	1	180	16	11	
0704	1	180	16	11	
057,5	1	180	16	13	
0509	1	180	22	15	
045,5	1	180	16	11	
0307	1	180	16	11	
0212	1	180	16	13	
0113,5	1	180	16	13	

MORE INFORMATION ABOUT VMSA MODELS						
Model	FLOW			cc per STROKE	Maximum pressure	
	min cc/h	max l/h	Max GPH		bar	PSI
1503	0.28	3	0.79	0.28	18	217
1501	0.09	1	0.26	0.09	15	217
103,4	0.31	3.4	0.9	0.31	10	145
1007	0.65	7	1.85	0.65	10	145
1002	0.19	2	0.53	0.19	10	145
0704	0.37	4	1.06	0.37	7	101
057,5	0.69	7.5	1.98	0.69	5	72
0509	0.83	9	2.38	0.83	5	72
045,5	0.51	5.5	1.45	0.51	4	58
0307	0.65	7	1.85	0.65	3	43
0212	1.11	12	3.17	1.11	2	29
0113,5	1.25	13.5	3.57	1.25	1	14

FUSE		
MODEL	230 VAC	115 VAC
1802	1A	500 mA
1503	1.25 A	630 mA
1501	800 mA	400 mA
103,4	1A	500 mA
1007	1.25 A	630 mA
1002	800 mA	400 mA
100,5	800 mA	400 mA
0704	800 mA	400 mA
057,5	1A	500 mA
0509	1.25 A	630 mA
045,5	800 mA	400 mA
0307	800 mA	400 mA
0212	1.25 A	1.25 A
0113,5	1A	500 mA

QUANTITY	PACKAGE CONTENT
n. 1	Assembly kit
n. 1	5 X 20 delayed fuse
n. 1	Level probe with axial foot filter (PVDF)
n. 1	0,3 Bar injection valve (PVDF)
m 2	Delivery hose
m 2	Suction hose
m 2	Discharge hose
m 2	Stand-by cable
n.1	Operating manual

POWER SUPPLY	FREQUENCY
230 VAC (190-265 VAC)	50/60 Hz
115 VAC (90-135 VAC)	50/60 Hz
24 VAC (20-32 VAC)	50/60 Hz
12 VDC (10-16 VDC)	/

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Dimension

mm [inches]

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

