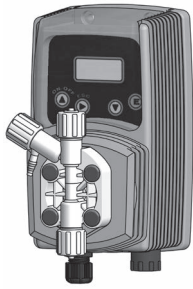


"VPO" series Metering Pumps

Data Sheet



- Wall mounted, with display
- Manual venting PVDF pump head
- All liquid ends (pump head, injection valve, foot filter) PVDF
- Enclosure PPO
- Environment temperature..... 10 ÷ 45°C (55 ÷ 113°F)
- Chemical temperature..... 0 ÷ 50°C (32 ÷ 122°F)
- Transportation and storage temperature..... -10 ÷ 50°C (14 ÷ 122°F)
- Installation class II
- Pollution level 2
- Audible noise..... 73db(A)
- Protection degree IP 65 (NEMA4X)



Configuration Code

MODEL		
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.

CAPACITIES				
	VMS Models		Hoses	Pump head
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 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

* Use for capacities up to 1 l/h.



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



Via Donatori di sangue, 1 - 02100 Rieti - Italy
Tel. +39 0746 2284 1 - Tel. +39 0746 1725114 - Fax +39 0746 2284 2 - http://www.emec.it

Specifications subject to change without notice.
EN R1-10-13

Technical features

INFORMATION					
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	
0217	1	180	22	15	
0116	1	180	16	13	

CAPACITY							
MODEL	FLOW				cc per STROKE	Maximum pressure	
	min cc/h	max l/h	Min GPH	Max GPH		bar	PSI
1802	0,06	2	0,02	0,53	0,19	18	261
1804	0,11	4	0,03	1,06	0,37	18	261
1502	0,06	2	0,02	0,53	0,19	15	217
1504	0,11	4	0,03	1,06	0,37	15	217
1505	0,14	5	0,04	1,32	0,46	15	217
1004	0,11	4	0,03	1,06	0,37	10	145
1005	0,14	5	0,04	1,32	0,46	10	145
1010	0,28	10	0,07	2,64	0,93	10	145
0706	0,17	6	0,04	1,58	0,56	7	101
0510	0,28	10	0,07	2,64	0,93	5	72
0512	0,33	12	0,09	3,17	1,11	5	72
0501	0,03	1	0,01	0,26	0,09	5	72
0408	0,22	8	0,06	2,11	0,74	4	58
0310	0,93	10	0,25	2,64	0,93	3	43
0217	0,47	17	0,12	4,49	1,57	2	29
0116	0,44	16	0,12	4,23	1,48	1	14

FUSE		
MODEL	230 VAC	115 VAC
2001	1	500
1802	1	500
1804	1.25	630
1502	800	400
1504	1	500
1505	1.25	630
1004	800	400
1005	1	500
1010	1.25	630
0706	800	400
0510	1	500
0512	1.25	630
0501	800	400
0408	800	400
0310	800	400
0217	1.25	630
0116	1	500

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)	/

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

