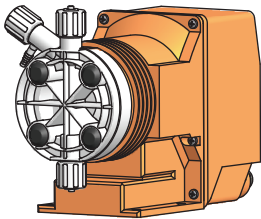
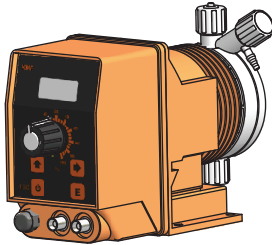


"KMS DIGITAL" series metering pumps

Data Sheet

"KMSA DIGITAL Self Venting"

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 **K - MF 2001 V 00 00**

MODELS			
KMS Code	KMSA Code	MOD.	DESCRIPTION
DC	AD	KMS DC	Digital constant pump, stand-by input and alarm output and level control.
MF	AF	KMS MF	Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA, %, ml/q) , stand-by and flow sensor input, alarm output and level control. Recovery fault mode, work-pause mode and upkeep mode.
ML	LA	KMS CL	Proportional pump for free chlorine (Cl ₂) control (from 0 to 10,00 mg/l) with level control, supplied without chlorine probe. It operates with chlorine cells mod. ECL1 and ECL6/7/12 (not provided).
EN	AN	KMS EN	Pump with weekly timer, microprocessor, digital controls, LCD display, level probe and electrovalve control.
PH	MH	KMS PH	Proportional pump driven by internal built-in pH meter (0-14 pH) and level control, supplied without pH probe.
RH	AR	KMS RH	Proportional pump driven by internal built-in ORP meter (0-1000 mV) and level control, supplied without ORP probe.

CAPACITIES				
K Models			Hoses	Pump head
2001	1 l/h at 20 bar	0.26 GPH at 290 PSI	4 x 6	I
1802	2 l/h at 18 bar	0.53 GPH at 261 PSI	4 x 6	L
1504	4 l/h at 15 bar	1.06 GPH at 217 PSI	4 x 6	L
1005	5 l/h at 10 bar	1.32 GPH at 102 PSI	4 x 6	L
0808	8 l/h at 8 bar	2.11 GPH at 116 PSI	4 x 6	L
0510	10 l/h at 5 bar	2.64 GPH at 58 PSI	4 x 6	L
0218	18 l/h at 2 bar	4.76 GPH at 29 PSI	6 x 8	M
KA Models			Hoses	Pump head
200.5	0.5 l/h at 20 bar	0.13 GPH at 290 PSI	4 x 6	IA
1801	1 l/h at 18 bar	0.26 GPH at 261 PSI	4 x 6	LA
1503	3 l/h at 15 bar	0.79 GPH at 217 PSI	4 x 6	LA
103.5	3.5 l/h at 10 bar	0.92 GPH at 102 PSI	4 x 6	LA
085.5	5.5 l/h at 8 bar	1.45 GPH at 116 PSI	4 x 6	LA
057.5	7.5 l/h at 5 bar	1.98 GPH at 58 PSI	4 x 6	LA
0213	13 l/h at 2 bar	3.43 GPH at 29 PSI	6 x 8	MA

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	
V	PVDF	Viton ®	PVDF	Ceramic	PTFE	PVDF	PVC	100
D	PVDF	Ethylene Propylene	PVDF	Ceramic	PTFE	PVDF	PVC	100
W	PVDF	Nytrile	PVDF	Ceramic	PTFE	PVDF	PVC	100
T	PVDF	Viton ® + PTFE	PVDF	Ceramic	PTFE	PVDF	PVC	100
A	Acrylic	Viton ®	Polypropylene	Ceramic	PTFE	Polyethylen	PVC	100
Z	INOX	Viton ®	INOX	INOX	PTFE	N/A	N/A	100
\$	Acrylic	Viton ®	Polypropylene	SS+Hastelloy spring	PTFE	Polyethylen	PVC	8000*

Viton ® is a registered trademark DuPont Dow Elastomers.
 * Using high viscosity pump head mod. \$, pump output may result lower in some applications.



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



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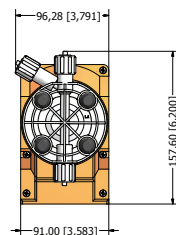
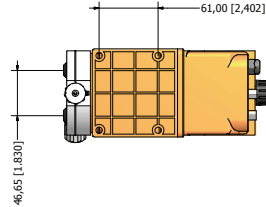
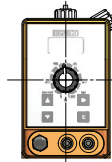
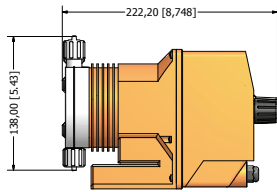
Specifications subject to change without notice.
 ENG R1-05-10

"KMS DIGITAL" series metering pumps

Data Sheet

"KMSA DIGITAL Self Venting"

INFORMATION FOR KMS MODELS								
Models	Strokes speed		Stroke length range reliability	Power consumption at max flow (230 VAC)	Power consumption at max flow (115 VAC)	Power consumption at max flow (24 VAC)	Power consumption at max flow (12 VAC)	Weight
	min	max						
	strokes hour	strokes minute						
2001	1	180	from 30% to 100%	19 Watt	24 Watt	12 Watt	8.8 Watt	4.1 Kg (9.02 Lbs)
1802	1	180						
1504	1	180						
1005	1	180						
0808	1	180						
0510	1	180						
0218	1	180						
INFORMATION FOR KMSA MODELS								
200.5	1	180	from 30% to 100%	19 Watt	24 Watt	12 Watt	8.8 Watt	4.1 Kg (9.02 Lbs)
1801	1	180						
1503	1	180						
103.5	1	180						
085.5	1	180						
057.5	1	180						
0213	1	180						



mm [inches]

Protection IP65 (NEMA4x)
 "KMS DIGITAL" metering pumps are manufactured in molded glass filled and Polypropylene housing aggressive chemicals and tough environment.

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

MORE INFORMATION ABOUT KMS MODELS									
Model	FLOW				cc per STROKE		Maximum pressure		Pump Head
	min cc/h	max l/h	Min GPH	Max GPH	min	max	bar	PSI	
	2001	0,03	1	0,000008	0,26	0,03	0,09	20	
1802	0,06	2	0,000016	0,53	0,06	0,19	18	261	L
1504	0,11	4	0,000029	1,06	0,11	0,37	15	217	L
1005	0,14	5	0,000037	1,32	0,14	0,46	10	145	L
0808	0,22	8	0,000058	2,11	0,22	0,74	8	116	L
0510	0,28	10	0,000074	2,64	0,28	0,93	5	72	L
0218	0,50	18	0,00013	4,76	0,50	1,67	2	29	M

MORE INFORMATION ABOUT KMSA MODELS									
Model	FLOW				cc per STROKE		Maximum pressure		Pump Head
	min cc/h	max l/h	Min GPH	Max GPH	min	max	bar	PSI	
	200.5	0,014	0,5	0,000004	0,13	0,014	0,046	20	
1801	0,03	1	0,000008	0,26	0,03	0,09	18	261	LA
1503	0,08	3	0,000021	0,79	0,08	0,28	15	217	LA
103.5	0,10	3,5	0,000026	0,92	0,10	0,32	10	145	LA
085.5	0,15	5,5	0,000040	1,45	0,15	0,51	8	116	LA
057.5	0,21	7,5	0,000055	1,98	0,21	0,69	5	72	LA
0213	0,37	13	0,000098	3,43	0,37	1,20	2	29	MA



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