METERING PUMPS

F SERIES

F & FMS DIGITAL

Stroke speed adjustment with fixed stroke length for low cost application.

Wide control opportunities without any external pacer such as pulse division and moltiplication, 4 ÷ 20 mA, mV, V input, timer and double timer.

Features pH, ORP potential (Redox), Conductivity and cooling tower built-in controllers

EMEC

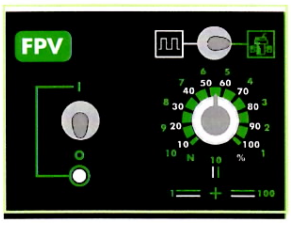
METERING PUMPS

FCO * FCL * FIS * FIC * FPV * FPVM * FTE * FPDR

F MODELS & CONTROL PANELS

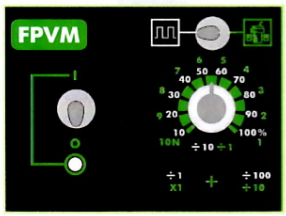
FCO
Constant pump with stroke speed adjustment

FCL
Constant pump with level control, stroke speed adjustment

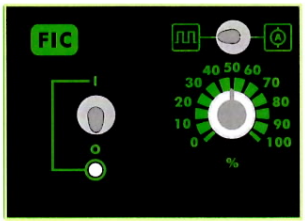


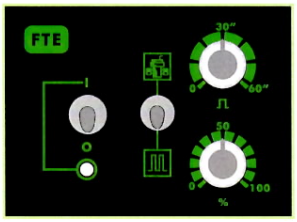
FPV
Constant-Proportional pump driven by external digital signal, with pulse divider mode

FPVM
Constant-Proportional pump driven by external digital signal with pulse division and multiplication

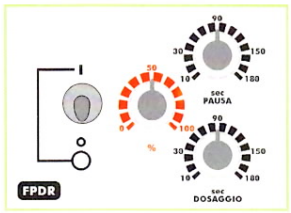


FIC
Constant-Proportional pump driven by current signal (0 / 4mA = 0 pulses; 20mA = max pulses) and level control



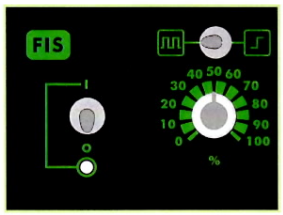


FTE
(0"÷60") timered pump with external digital start signal and level control



FPDR
Metering pump with adjustable operation and stand-by timers

FIS
Constant-Proportional pump driven by external digital signal, with level control: to each external pulse correspond one pump stroke



	FCO	FCL	FIC	FIS	FPV	FPVM	FTE	FPDR
Input Signals	None	None	mA current	Digital Pulses	Digital Pulses	Digital Pulses	Start Pulses	None
Internal Controller	Stroke speed	Stroke speed	None	None	Pulse Divider	Pulse Divider and Multiplier	Internal Timer	Dual Timer
Alarm output	Level on demand							

FMS DIGITAL MODELS & CONTROL PANELS

FMS EXT

Multifunction-Proportional pump with analogic/digital signal input and level control

FMS EN

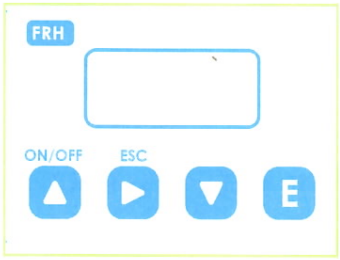
Pump with weekly timer, microprocessor, digital controls, LCD display, level control and electrovalve control output

FMS PH

Proportional pump driven by internal built-in pH meter (0÷14pH) and level control

FMS RH

Proportional pump driven by internal built-in Redox (ORP) meter (0÷1000mV) and level control



FMS CD

Proportional pump driven by internal built-in Conductivity meter (0÷20 mS), supplied with Conductivity probe (mod. ECDCC) with automatic temperature compensation

FMS CDT

Proportional pump driven by internal built-in Conductivity meter (0÷20 mS) for cooling tower applications, with a set point for bleed electrovalve and a set point for feeding. Supplied with Conductivity probe (mod. ECDCC) with automatic temperature compensation

	FMS EXT	FMS EN	FMS PH	FMS RH	FMS CD	FMS CDT
Input Signals	Digital Pulses mA Current V Voltage mV Voltage	- -	pH probe	Redox probe	Conductivity probe	Conductivity probe
Internal Controller	Pulse divider and multiplier Analog signal proportional range definition	Weekly timer	pH meter proportional	Redox meter proportional	Proportional Conductivity meter	Hysteresis Conductivity meter
Alarm output	Level on demand					

	Pump Head	Diaphragm	Ball Checks	Valve Cartridge	Hose Connection kit	Foot Filter	Hoses	O-rings
STANDARD	Polypropylene	PTFE	Ceramic	Polypropylene	Polypropylene	Polypropylene	PE	Viton®
ON DEMAND	PVDF	- -	PTFE Glass SS	PVDF	PVDF	PVDF	PVDF PVC	EPDM NBR

Viton® is a registered trademark of DuPont Dow Elastomers.

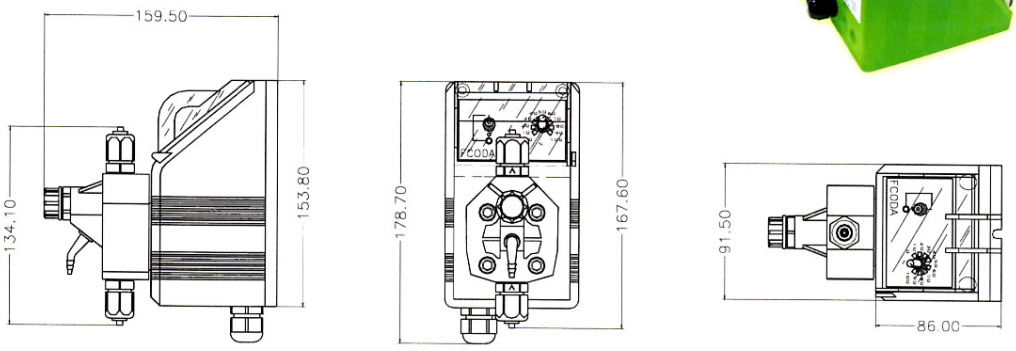
TECHNICAL DATA OF ALL MODELS

Flow	Max Capacity *l/h*	Max Pressure *bar*	Max Capacity @ *GPH*	Max Pressure *PSI*	*ml* stroke	Strokes/ min.	Hoses	Watt *W*	Shipping weight *Lbs*
12 1,5	1.5	12	0.39	174	0.17	150	1/4"	16 W	4.85
10 2,2	2.2	10	0.58	145	0.25	150	1/4"	16 W	4.85
07 03	3	7	0.79	102	0.34	150	1/4"	16 W	4.85
07 05	5	7	1.32	102	0.56	150	1/4"	16 W	4.85
06 06	6	6	1.58	87	0.67	150	1/4"	16 W	4.85
05 07	7	5	1.84	73	0.78	150	1/4"	16 W	4.85
05 05	5	5	1,32	73	0.56	150	1/4"	16 W	4.85
03 6,5	6.5	3	1.71	44	0.72	150	1/4"	16 W	4.85
03 8,5	8.5	3	2.24	44	0.94	150	1/4"	19 W	4.85
10 05	5	10	1.32	145	0.56	150	1/4"	19 W	4.85
05 10	10	5	2.64	73	1.00	166	1/4"	19 W	4.85
03 11	11	3	2.90	44	1.10	166	1/4"	19 W	4.85
05 0,2	0.2	5	0.05	73	0.25	15	1/4"	16 W	4.85

Flow rate indicated is for H_2O at 68 °F at the rated pressure.

P ower Supply: 115 - 230 - 24 VDC.
On demand are available other power supply.

F Series with self-venting feature.



All dimensions are in *mm* unless specified.

SINCERT
PMI cert
Sistema di Gestione certificato UNI EN ISO 9001:2000

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