METERING PUMPS

PUMPS FOR POLYMERS

*CMS POLYMERS & CMS DIGITAL POLYMERS * GMS POLYMERS & GMS DIGITAL POLYMERS*

"**GMS**" and "**CMS**" polymers pumps can be supplied with acrylic pump heads for dosing viscous chemicals (max 50.000 cps).

"**GMS**" pumps for polymers, for wall mounting, have 25 l/h maximum capacity.

More versatile "CMS" pumps for polymers, with stroke length adjustment, have 40 l/h maximum capacity.

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

Features pH and ORP potential (Redox) built-in instruments.

EMEC

CMS POLYMERS

CMSP CO
Constant pump with stroke speed adjustment and stroke length adjustment

CMSP MAN
Constant pump with level control and frequency digital control

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

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

CMSP EXT
Multifunction-Proportional pump with analogic and digital signal input, level control

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

CMSP PVM
Constant-Proportional pump driven by external digital signal, with pulse division and multiplication

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

CMSP EXT/485
Remote controlled CMSP EXT pump via RS485

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

	CMSP CO	CMSP IS	CMSP PV	CMSP PVM	CMSP IC	CMSP MAN	CMSP EXT	CMSP PH	CMSP RH	CMSP EXT/485
Input Signals	None	Digital Pulses	Digital Pulses	Digital Pulses	mA Current	None	Digital Pulses mA Current V Voltage mV Voltage	pH probe	Redox probe	Digital Pulses mA Current V Voltage mV Voltage
Internal Controller	Stroke peed	None	Pulse Divider	Pulse Divider and Multiplier	None	Stroke speed	Pulse Divider and Multiplier Analog signal proportional range definition	pH meter proportional	Redox meter proportional	Pulse Divider and Multiplier Analog signal proportional range definition

GMS POLYMERS

GP CO
Constant pump with stroke speed adjustment

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

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

GMSP MAN
Constant pump with level control and stroke frequency digital control

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

GP PVM
Constant-Proportional pump driven by external digital signal, with pulse division and multiplication

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

GMSP EXT
Multifunction-Proportional pump with analogic and digital signal input, level control

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

	GP CO	GP IS	GP PV	GP PVM	GP IC	GMSP MAN	GMSP EXT	GMSP PH	GMSP RH
Input Signals	None	Digital Pulses	Digital Pulses	Digital Pulses	mA Current	None	Digital Pulses mA Current V Voltage mV Voltage	pH probe	Redox probe
Internal Controller	Stroke speed	None	Pulse Divider	Pulse Divider and Multiplier	None	Stroke speed	Pulse Divider and Multiplier Analog signal proportional range definition	pH meter proportional	Redox meter proportional

TECHNICAL DATA OF ALL MODELS

	Pump Head	Diaphragm	Ball Checks	Valve Cartridge	Hoses	O-rings
STANDARD	Acrylic	PTFE	CERAMIC	PVC	PVC	Viton® On demand: EPDM NBR

CMS	Max Capacity *l/h*	Max Pressure *bar*	Capacity *l/h*	Pressure *bar*	*ml* stroke	Strokes/ min.	Suction Hoses *mm*	Delivery Hoses *mm*	Max Viscosity cps	Watt *W*	Shipping weight *Kg*
8 02	02 l/h	8	7	4	0,28	120	20 x 27	16 x 22	50.000	40 W	9
6 04	04 l/h	6	12	3	0,56	120	20 x 27	16 x 22	50.000	40 W	9
4 10	10 l/h	4	27	2	1,4	120	20 x 27	16 x 22	50.000	40 W	9
2 25	25 l/h	2	45	1	3,5	120	20 x 27	16 x 22	50.000	40 W	9
1 40	40 l/h	1	66	0,5	5,6	120	20 x 27	16 x 22	50.000	40 W	9

GMS	Max Capacity *l/h*	Max Pressure *bar*	Capacity *l/h*	Pressure *bar*	*ml* stroke	Strokes/ min.	Suction Hoses *mm*	Delivery Hoses *mm*	Max Viscosity cps	Watt *W*	Shipping weight *Kg*
6 01	1	6	1,3	10	0,14	120	20 x 27	16 x 22	50.000	22 W	4,1
4 03	3	4	2,5	9	0,42	120	20 x 27	16 x 22	50.000	22 W	4,1
2 08	8	2	4	8	1,2	120	20 x 27	16 x 22	50.000	22 W	4,1
1 20	20	1	5,5	5	2,8	120	20 x 27	16 x 22	50.000	22 W	4,1
0,5 25	25	0,5	9	6	3,5	120	20 x 27	16 x 22	50.000	27 W	5,7

Flow rate indicated are referred to 50.000 cps max viscosity. Working back pressure changes in function of viscosity.

Viton® is a registered trademark of DuPont Dow Elastomers.

SINCERT

PMI cert

Sistema di Gestione certificato
UNI EN ISO 9001:2000

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