



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 multiplication, 4 ÷ 20 mA, mV and V input.

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

M E T E R I N G P U M P S

CMS POLYMERS * CMS DIGITAL POLYMERS

CMS POLYMERS



CMSP CO

Constant pump with stroke speed adjustment and stroke length adjustment

CMSP PV

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

CMSP PVM

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

CMSP IS

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

CMSP IC

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

CMSP EXT

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

CMSP EXT/485

Remote controlled CMSP EXT pump via RS485

CMSP MAN

Constant pump with level control and frequency digital control

CMSP PH

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

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
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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 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	Pulse Divider and Multiplier Analog signal proportional range definition

M E T E R I N G P U M P S

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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
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STANDARD	Acrylic	PTFE	CERAMIC	PVC	PVC	Viton® On demand: EPDM NBR
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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
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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
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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.