

**SERFILCO®****SERIES S, E, AND M
ELECTRONIC METERING PUMPS**TECHNICAL
BULLETIN
TP-114A**SPECIFICATIONS**

Refer to Bulletin P-625

GENERAL

Chemical metering pumps shall be UL and CSA approved, continuous duty rated, positive displacement, diaphragm type. Output volumes shall be adjustable, while pumps are in operation from zero to maximum at rated capacities.

	GPH	LPH
PD3	.45	1.7
PG4	1.75	6.6
PA3	.50	1.9
PB4	1.0	3.8
PE4	1.83	6.9
PG5	3.91	14.8
PH6	5.00	18.9
PH7	10.00	37.8

Chemical metering pumps shall be capable of injecting chemicals at rated pressure.

	PSI	BAR
PD3	250	17
PG4	150	10
PA3	100	07
PB4	100	07
PE4	100	07
PG5	100	07
PH6	100	07
PH7	35	02

DRIVE

Pump shall be electronic solenoid driven and shall carry full UL listing. Electronic circuit board shall be housed in a glass reinforced polyester enclosure, isolated from the solenoid module. Solenoid module shall be encapsulated in a fin cooled subenclosure. Solenoid shall be thermally protected with auto reset. Current draw at 115V shall not exceed 1 AMP. Pump shall incorporate automatic pressure relief.

Power input shall be 115VAC/1/50-60
or 230VAC/1/50-60

CONTROLS**Series S - (Internal Adjustment)**

Pump shall have readily accessible stroke frequency and stroke length adjustment dial knobs, each with a 10-1 turndown ratio. Stroke length adjustment knob to include a friction type locking device to prevent movement due to vibration. Pump shall have a On/Off switch independent of the stroke frequency control. Panel shall have a power ON LED. Control panel shall include a circuit breaker reset switch and be fully gasketed. Pump shall incorporate a clear plexiglass hinged cover over the control panel.

Series E -(External Pulse Control)

Shall incorporate all features of the S Series but with a 3 position on/off/external switch. When in External pulsed mode, E Series pumps shall accept switch contact closures to control stroke frequency.

Series M -(Direct Response)

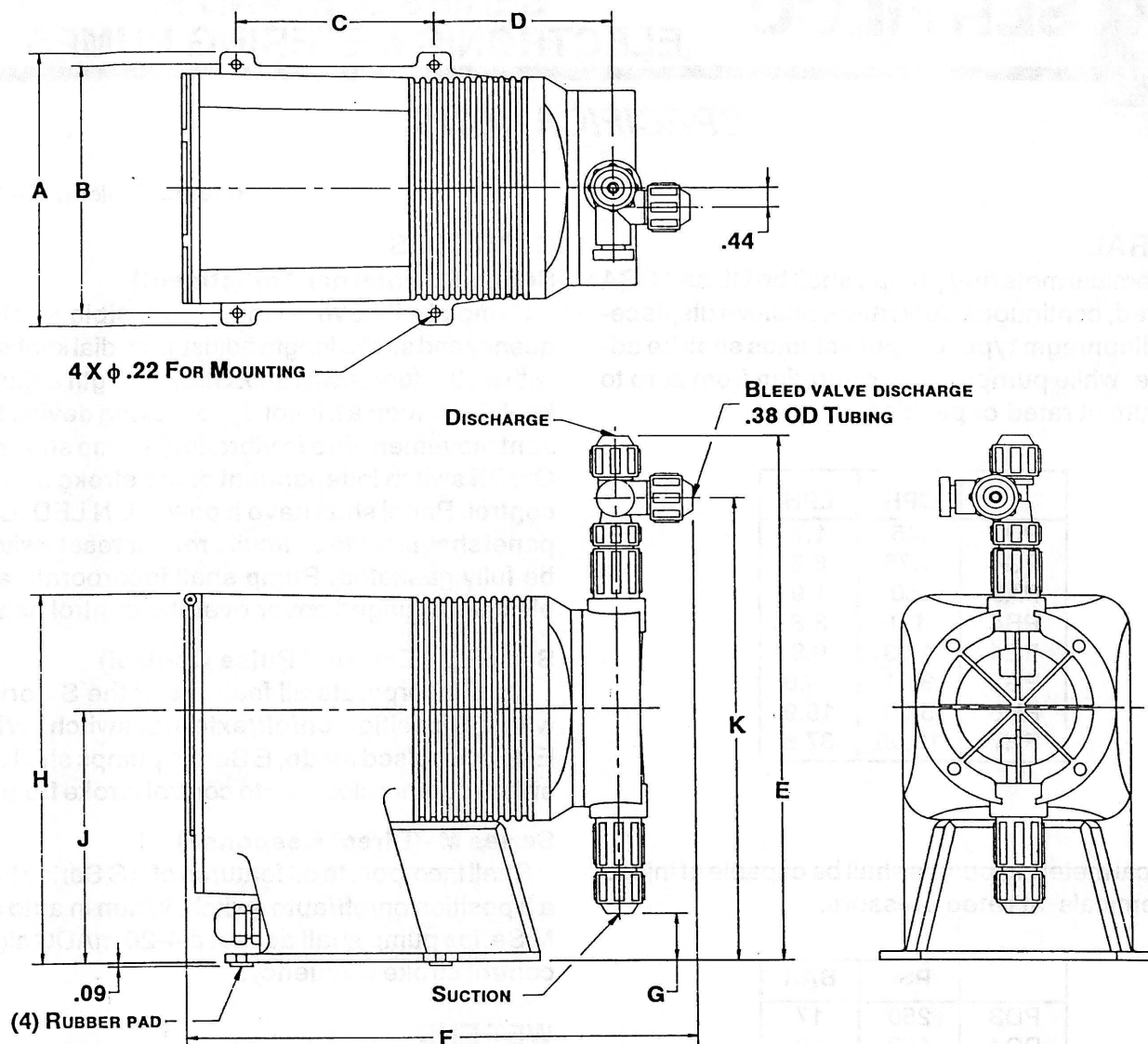
Shall incorporate all features of a S Series but with a 3 position on/off/auto switch. When in auto mode, M Series pump shall accept a 4-20 mADC signal to control stroke frequency.

WET END

Pump liquid end shall be straight through flow design with viscosity handling ability of 1000 CPS.¹ Valves shall be of replaceable cartridge design with 4 point guided ceramic² double ball checks with TFE seats, independent of seal rings. Pump head and valves shall be glass filled polypropylene.³ Diaphragm shall be TFE coated Hypalon. Pump shall include 4' PVC suction tubing, 8' polyethylene discharge tubing, foot valve/strainer assembly and back pressure injection fitting.

NOTES:

1. - High viscosity (up to 10,000 CPS) wet end may be specified.
2. - TFE, 316 SS may be specified.
3. - PVC may be specified.



MODEL NO.	DIMENSIONS										w/o BLEED VALVE		STD PORT CONN OD TUBING	WT. LBS
	A	B	C	D	E	F	G	H	J	K	E	F		
PA3	5.38	4.81	4.38	3.43	10.56	10.69	1.41	7.42	5.22	9.17	9.03	9.65	.38	15
PB4	5.38	4.81	4.38	3.43	10.56	10.69	1.41	7.42	5.22	9.17	9.03	9.65	.38	15
PD3	5.38	4.81	4.38	3.93	10.56	11.19	1.64	7.42	5.22	9.17	9.03	10.15	.38	15
PE4	5.38	4.81	4.38	3.93	10.56	11.19	1.41	7.42	5.22	9.17	9.03	10.15	.38	15
PG4	5.38	4.81	4.38	4.43	10.56	11.69	1.41	7.42	5.22	9.17	9.03	10.65	.38	18
PG5	5.38	4.81	4.38	4.43	10.93	11.69	1.04	7.42	5.22	9.54	9.40	10.65	.50	18
PH4	6.12	5.56	4.38	3.93	10.93	11.19	1.78	8.17	5.59	9.54	9.40	10.15	.38	18
PH5	6.12	5.56	4.38	3.93	11.30	11.19	1.78	8.17	5.59	9.91	9.77	10.15	.50	18
PH6	6.12	5.56	4.38	3.93	11.30	11.19	1.78	8.17	5.59	9.91	9.77	10.15	.50	18
PH7	6.12	5.56	4.38	4.69	11.68	11.95	1.03	8.17	5.59	10.29	10.15	10.91	.50	23

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