

Gamma/ L Series

Smart and Versatile Solenoid Metering Pump

The **ProMinent® gamma/ L** is a microprocessor-based diaphragm solenoid metering pump capable of flows from **0.16 to 8.4 gph (0.59 to 32 l/h)** and pressures up to **290 psi (20 bar)**. The calibrated flow is displayed in gph or l/h. The large illuminated LCD display ensures that all displayed variables are easy to read.

Applications

- Bleach and other off-gassing fluid applications
- Water and wastewater treatment
- Highly automated processes in nearly all industries
- Cooling tower and boiler water treatment



Features & Benefits

- Microprocessor based technology for flexible control: Manual stroke length and frequency, Batch, Remote on/off, Contact Pulse, Analog
- Certified to **NSF/ANSI 61** (acrylic or PVDF liquid ends)
- 14-Day programmable timer
- Integrated Auto-degassing liquid ends ideal for off-gassing chemicals such as bleach
- Integral bleed valve eliminates priming issues
- Liquid end materials covering all chemicals
- Simple calibration allows pump to display flow rate and totalized flow
- Optional flow monitor for feed verification
- Universally compatible PVDF liquid ends
- Analog output of feed rate eliminates need to check on the pump
- New Protimer software for programming timer from PC
- Access Codes to prevent unauthorized adjustment
- Capable of handling up to 3000 cps of viscous media such as polymers



ProMinent®

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Gamma/L Series

Capacity data

Pump Version	Capacity at Maximum Backpressure				Capacity at 1/2 Maximum Backpressure				Pre-Primed Suction Lift		Max. Stroking Rate spm	Tubing Connectors ² O.D. x I.D. inches	Shipping Weight (higher weights are for SS)			
	psig (bar)	U.S.		mL/ stroke	psig (bar)	U.S.		mL/ stroke	ft.	(m)			lbs.	(kg)		
		GPH	(L/h)			GPH	(L/h)									
gamma/ L with standard liquid ends																
1000	145	(10)	0.19	(0.74)	0.07	73	(5)	0.21	(0.82)	0.08	19.6	(6)	180	1/4 x 3/16	7.5-8.6	(3.4-3.9)
2001 ³	290	(20)	0.29	(1.1)	0.10	145	(10)	0.37	(1.40)	0.13	19.6	(6)	180	1/4 x 3/16	6.4-7.9	(2.9-3.6)
1601	232	(16)	0.29	(1.1)	0.10	126	(8.75)	0.37	(1.4)	0.13	19.6	(6)	180	1/4 x 3/16	7.5-8.6	(3.4-3.9)
2002 ³	290	(20)	0.58	(2.2)	0.19	145	(10)	0.66	(2.5)	0.24	19.6	(6)	180	1/4 x 3/16	6.4-7.9	(2.9-3.6)
1602	232	(16)	0.55	(2.1)	0.19	126	(8.75)	0.66	(2.5)	0.24	19.6	(6)	180	1/4 x 3/16	7.5-8.8	(3.4-4.0)
1005	145	(10)	1.1	(4.4)	0.41	73	(5)	1.32	(5.0)	0.46	19.6	(6)	180	1/2 x 3/8	7.7-9.0	(3.5-4.1)
0708	101	(7)	1.9	(7.1)	0.66	50.5	(3.5)	2.22	(8.4)	0.78	19.6	(6)	180	1/2 x 3/8	7.7-11.0	(3.5-5.0)
0413	58	(4)	3.2	(12.3)	1.14	29	(2)	3.75	(14.2)	1.31	9.8	(3)	180	1/2 x 3/8	7.7-11.0	(3.5-5.0)
0220	29	(2)	5.0	(19.0)	1.76	14.5	(1)	5.52	(20.9)	1.94	6.5	(2)	180	1/2 x 3/8	7.7-11.0	(3.5-5.0)
1605	232	(16)	1.1	(4.1)	0.38	126	(8.75)	1.29	(4.9)	0.45	19.6	(6)	180	1/2 x 3/8	9.3-10.8	(4.2-4.9)
1008	145	(10)	1.8	(6.8)	0.63	73	(5)	2.19	(8.3)	0.76	19.6	(6)	180	1/2 x 3/8	9.5-12.8	(4.3-5.8)
0713	101	(7)	2.9	(11.0)	1.02	50.5	(3.5)	3.46	(13.1)	1.21	13.1	(4)	180	1/2 x 3/8	9.5-12.8	(4.3-5.8)
0420	58	(4)	4.5	(17.1)	1.58	29	(2)	5.04	(19.1)	1.77	9.8	(3)	180	1/2 x 3/8	9.5-12.8	(4.3-5.8)
0232 ¹	29	(2)	8.4	(32.0)	2.96	14.5	(1)	9.56	(36.2)	3.35	6.5	(2)	180	1/2 x 3/8	11.2-14.6	(5.1-6.6)

gamma/ L with auto-degassing liquid ends

1601	232	(16)	0.16 (0.59)	0.055	126 (8.75)	0.21 (0.78)	0.07	5.9 (1.8)	180	1/4 x 3/16	7.7	(3.5)
1602	232	(16)	0.37 (1.4)	0.13	126 (8.75)	0.45 (1.7)	0.16	6.9 (2.1)	180	1/4 x 3/16	7.7	(3.5)
1005	145	(10)	0.95 (3.6)	0.33	73 (5)	1.05 (4.0)	0.37	8.8 (2.7)	180	1/2 x 3/8	7.7	(3.5)
0708	101	(7)	1.74 (6.6)	0.61	50.5 (3.5)	1.98 (7.5)	0.69	6.5 (2.0)	180	1/2 x 3/8	7.7	(3.5)
0413	58	(4)	2.8 (10.8)	1.00	29 (2)	3.3 (12.6)	1.17	6.5 (2.0)	180	1/2 x 3/8	7.9	(3.6)
0220	29	(2)	4.3 (16.2)	1.50	14.5 (1)	4.7 (18.0)	1.67	6.5 (2.0)	180	1/2 x 3/8	7.9	(3.6)
1605	232	(16)	0.87 (3.3)	0.31	126 (8.75)	1.00 (3.8)	0.35	9.8 (3)	180	1/2 x 3/8	9.5	(4.3)
1008	145	(10)	1.66 (6.3)	0.58	73 (5)	1.98 (7.5)	0.69	9.8 (3)	180	1/2 x 3/8	9.5	(4.3)
0713	101	(7)	2.77 (10.5)	0.97	50.5 (3.5)	3.2 (12.3)	1.14	8.2 (2.5)	180	1/2 x 3/8	9.5	(4.3)
0420	58	(4)	4.12 (15.6)	1.44	29 (2)	4.6 (17.4)	1.61	8.2 (2.5)	180	1/2 x 3/8	9.5	(4.3)

Above capacities and suction lift refer to pumps tested on water at 115 VAC, 60 Hz, and an ambient temperature of 70°F (21°C).

Higher specific gravity fluids will reduce suction lift. Higher viscosity fluids will reduce capacity.

Liquid ends for highly viscous media have 10-20% less metering capacity and are not self-priming. Standard connectors are 1/2" MNPT or 5/8" hose barb. Positive suction is recommended.

¹ Not available with bleed valve.

² SS versions use 1/4" female threads except models 0220, 0420, and 0232 which use 3/8" female threads.

³ Only available in SS and Acrylic liquid ends

Liquid end materials in contact with media

Version	Liquid End	Suction/Discharge valves	Seals	Valve balls	Diaphragm*
*PVT	*PVDF	*PVDF	PTFE	Ceramic	PTFE
PPE	Polypropylene	Polypropylene	EPDM	Ceramic	PTFE
PPB	Polypropylene	Polypropylene	Viton®	Ceramic	PTFE
PCE	PVC	PVC	EPDM	Ceramic	PTFE
PCB	PVC	PVC	Viton®	Ceramic	PTFE
NPE	Acrylic	PVC	EPDM	Ceramic	PTFE
NPB	Acrylic	PVC	Viton®	Ceramic	PTFE
TTT	PTFE with Carbon	PTFE with Carbon	PTFE	Ceramic	PTFE
SST	316 Stainless Steel	316 Stainless Steel	PTFE	Ceramic	PTFE

*Highly compatible material suitable for most fluids.

Viton® is a registered trademark of DuPont Dow Elastomers.

ProMinent®

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