

▶ up to 8.4 gph (32 l/h)

ProMinent® Beta Series

Experts in Chemical Feed and Water Treatment

ProMinent®

Flexible, durable, reliable and versatile!

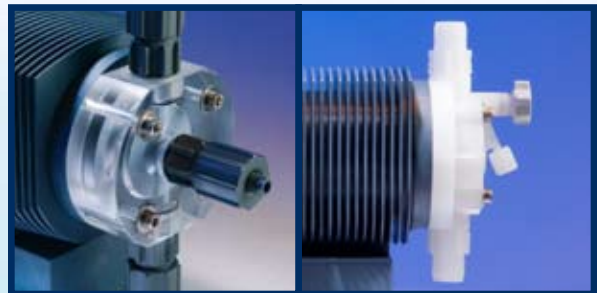
The **ProMinent® Beta** is a microprocessor-based diaphragm solenoid metering pump capable of flows from **0.16 to 8.4 gph (0.59 to 32 l/h)** and pressures to **253 psi (17.5 bar)**.

Feed rate is determined by stroke length and stroke frequency. The length is adjusted from 0% to 100% with a 10:1 turndown. Stroke frequency is adjusted in 10% increments from 10-100.



ProMinent® Beta metering pump

gotbleach? get ProMinent®



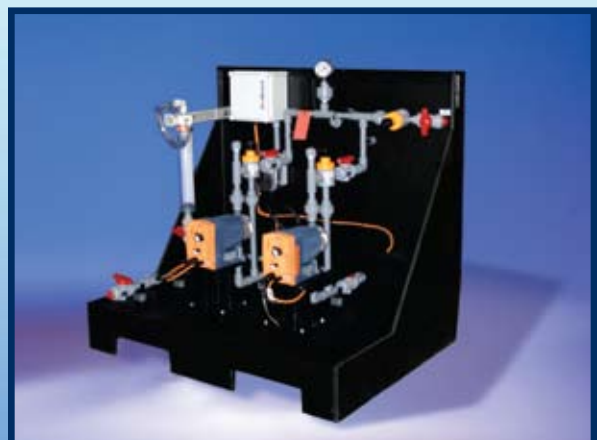
Auto-degassing and PVDF liquid ends

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
- Low Flow Chemical Feed

Features and benefits

- 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
- Universally compatible PVDF liquid ends
- Capable of handling up to 3000 cps for highly viscous media such as polymers
- External control via contact pulse signal
- Clear status indication with 3 LED lights
- Constant monitoring of chemical supply with optional dual stage level switch



Custom built or North American
Standard skid packages available

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Capacity data

Pump Version	Capacity at Maximum Backpressure				Capacity at 1/2 Maximum Backpressure				Pre-Primed Suction Lift ft. (m)	Max. Stroking Rate spm	Tubing Connectors** O.D. x I.D. inches	Shipping Weight (higher weights are for SS) lbs. (kg)
	psig (bar)	U.S. GPH (L/h)	mL/stroke		psig (bar)	U.S. GPH (L/h)	mL/stroke					
BT4a												
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	6.4-7.9 (2.9-3.6)
1601	253 (17.5)	0.29 (1.1)	0.10		126 (8.75)	0.37 (1.4)	0.13		19.6 (6)	180	1/4 x 3/16	6.4-7.9 (2.9-3.6)
1602	253 (17.5)	0.55 (2.1)	0.19		126 (8.75)	0.66 (2.5)	0.24		19.6 (6)	180	1/4 x 3/16	6.4-7.9 (2.9-3.6)
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	6.8-8.6 (3.1-3.9)
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	6.8-8.6 (3.1-3.9)
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	6.8-8.6 (3.1-3.9)
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	7.3-9.7 (3.3-4.4)
BT5a												
1605	253 (17.5)	1.1 (4.1)	0.38		126 (8.75)	1.29 (4.9)	0.45		19.6 (6)	180	1/2 x 3/8	9.9-11.7 (4.5-5.3)
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	9.9-11.7 (4.5-5.3)
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	9.9-11.7 (4.5-5.3)
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	10.4-12.8 (4.7-5.8)
0232*	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)

With auto-degassing liquid ends

BT4a												
1601	253 (17.5)	0.16 (0.59)	0.06		126 (8.75)	0.21 (0.78)	0.07		5.9 (1.8)	180	1/4 x 3/16	6.4 (2.9)
1602	253 (17.5)	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	6.4 (2.9)
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	6.8 (3.1)
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	6.8 (3.1)
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	6.8 (3.1)
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	7.3 (3.3)
BT5a												
1605	253 (17.5)	0.87 (3.3)	0.31		126 (8.75)	1.00 (3.8)	0.35		9.8 (3)	180	1/2 x 3/8	9.9 (4.5)
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	9.9 (4.5)
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	9.9 (4.5)
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	10.4 (4.7)

Above capacities and suction lift refer to pumps tested on water at 115 VAC, 60 Hz, and an ambient temperature of 70°F (20°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 recommended.

* Not available with bleed valve.

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

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.

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