

ProMinent® CONCEPT PLUS

solenoid driven diaphragm type metering pump

Affordable - Versatile - Durable

The CONCEPT^{PLUS} product series covers a capacity range of 0.2 – 1.1 gph (0.6 – 3.9 l/h) at pressures 145 – 101 psig. Its compact construction and features make it ideal for use in flow proportional or on – off control chlorination applications. It easily mounts onto a tank or wall mount bracket and fits into other applications such as grinding systems, car-washing systems, finishing machines, etc. Adjustment of the pump capacity is via the stroke length in the range of 10-100% or can be set at 1 of the 4 stroke frequency settings. This gives an adjustment ratio of 1 : 40. In addition to manually

setting the stroke frequency, the pump can also be set up for external control for use with contact water meters for flow proportional chemical addition or accept a signal from any control system which can provide a voltage free pacing signal. Unlimited flexibility means saving on storage costs. The material

combination of NPB and PPE is available for dosing heads, providing a solution for almost every type of chemical in the area of water treatment. CONCEPT^{PLUS} offers uncompromising quality and reliability at the best possible price.



ProMinent® Concept Plus

Benefits

Affordability - (low operation, and installation costs)

Durability - (PP and Acrylic liquid ends, some with bleed valves)

Versatility - compact construction ideal for tank bracket mounted installations

- foot or wall mounting

- “external control” retrofit kits available for on-site adaptability

CONCEPT PLUS

ProMinent®

ProMinent® CONCEPT PLUS

===== *solenoid driven diaphragm type metering pump* =====

Technical Data

CONCEPT PLUS

Pump Type CNPA	Pump Capacity at Maximum Back Pressure		Max. Stroke Rate Stroke/ min.	Output per Stroke mL/ stroke	Max. Suction Lift (water) ft. (m)	Suction/Discharge Connector O.D. x I.D. (in.)	Shipping Weight (approx.) lbs. (kg)
	psig (bar)	U.S. (L/h) GPH					
1000 NPB	145 (10)	0.16 (0.6)	180	0.06	20 (6)	1/4 x 3/16	3.97 (1.8)
1000 PPE	145 (10)	0.16 (0.6)	180	0.06	20 (6)	1/4 x 3/16	3.97 (1.8)
1601 NPB	232 (16)	0.26 (1.0)	180	0.09	20 (6)	1/4 x 3/16	3.97 (1.8)
1601 PPE	232 (16)	0.26 (1.0)	180	0.09	20 (6)	1/4 x 3/16	3.97 (1.8)
1002 NPB	145 (10)	0.53 (2.0)	180	0.19	16.4 (5)	1/4 x 3/16	3.97 (1.8)
1002 PPE	145 (10)	0.53 (2.0)	180	0.19	16.4 (5)	1/4 x 3/16	3.97 (1.8)
0704 NPB	102 (7)	1.03 (3.9)	180	0.36	13 (4)	1/4 x 3/16	3.97 (1.8)
0704 PPE	102 (7)	1.03 (3.9)	180	0.36	13 (4)	1/4 x 3/16	3.97 (1.8)

External retrofit kit available with 6.5 ft. (2 m) control cable: p.n. 1022099

Liquid End Materials of Construction

Material Code	Dosing Head	Suction/Discharge Connectors	Seals	Valve Balls
PPE	Polypropylene	Polypropylene	EPDM	Ceramic
NPB	Acrylic	PVC	Viton®	Ceramic

Viton® is a registered trademark of DuPont Dow Elastomers

DEVELOPAN® diaphragm with PTFE coating in all models

Pump model part numbers

Pump Model	Part no.	Pump Model	Part no.
CNPA1000NP with Bleed	7781400	CNPA1002NPB with Bleed	7781402
CNPA1000NP without Bleed	1022484	CNPA1002NPB without Bleed	1022486
CNPA1000PPE with Bleed	7781405	CNPA1002PPE with Bleed	7781407
CNPA1000PPE without Bleed	1022480	CNPA1002PPE without Bleed	1022482
CNPA1601NPB with Bleed	7781401	CNPA0704NPB with Bleed	7781404
CNPA1601NPB without Bleed	1022485	CNPA0704NPB without Bleed	1022487
CNPA1601PPE with Bleed	7781406	CNPA0704PPE without Bleed	1022483
CNPA1601PPE without Bleed	1022481		

CONCEPT PLUS

ProMinent Fluid Controls, Inc. (USA)
 136 Industry Drive
 Pittsburgh, PA 15275
 tel: (412) 787-2484
 fax: (412) 787-0704

ProMinent Fluid Controls Ltd. (Canada)
 490 Southgate Drive
 Guelph, Ontario N1G 4P5
 tel: (519) 836-5692
 fax: (519) 836-5226

Please visit us on the web
 (USA) www.prominent.cc
 (Canada) www.prominent.ca
 (Germany) www.prominent.de
 pn: 7750012

