

Concept ^{PLUS} Series

Economical metering pump solutions!



The **ProMinent® Concept Plus** series covers a capacity range of **0.19 to 4.33 GPH (0.7 to 16.4 L/h)** at pressures up to **232 psi (16 bar)**.

Its compact construction and features make it ideal for use in flow proportional or on/off control applications. The Concept Plus mounts easily onto a tank or wall bracket. 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 40:1.

Features & Benefits

- NSF 61/50 approved
- Low cost opens up opportunities in the most basic applications
- PVDF wetted ends eliminate compatibility concerns
- Integral bleed valve prevents “loss of prime”
- Lowest maintenance costs in its class
- External control via dry contact pulse (1:1)
- Wetted end materials: PP, Acrylic/PVC or PVDF

Applications

- Swimming pools
- Spas, fountains and spray pads
- Cooling towers
- Boiler feed applications
- General Chlorination
- Municipal and industrial wastewater
- Water disinfection
- Biocide feed
- “Pump on a drum” applications

Concept PLUS Series

Technical data

Capacity Data											
Pump Version	Capacity at Maximum Back Pressure				mL/ stroke	Max. Stroking Rate	Pre-Primed Suction Lift		Tubing Connectors O.D. x I.D.	Shipping Weight (approx.)	
	psig	(bar)	GPH	(L/h)			ft.	(m)		lbs.	(kg)
CNPb											
1000	145	(10)	0.19	(0.7)	0.07	180	20	(6)	1/4 x 3/16	3.97	(1.8)
1601	232	(16)	0.29	(1.1)	0.10	180	20	(6)	1/4 x 3/16	3.97	(1.8)
1002	145	(10)	0.55	(2.1)	0.19	180	16	(5)	1/4 x 3/16	3.97	(1.8)
1003	145	(10)	0.79	(3.0)	0.21	240	16	(5)	1/4 x 3/16	3.97	(1.8)
0704	102	(7)	1.03	(4.0)	0.41	180	13	(4)	1/4 x 3/16	3.97	(1.8)
0705	102	(7)	1.37	(5.2)	0.36	240	13	(4)	1/4 x 3/16	3.97	(1.8)
0309	44	(3)	2.38	(9.0)	0.83	180	20	(6)	3/8 x 1/4	3.97	(1.8)
0215	22	(1.5)	4.33	(16.4)	1.45	180	5	(1.5)	3/8 x 1/4	3.97	(1.8)

External pulse contact retrofit available as an option (P/N 1022000)

NSF 50 certification only applies to NPB0 & NPB2 liquid ends

Identity code pump configuration

CNPb	Concept PLUS										
	Version	Capacity	Version	Capacity							
	1000	0.19 gph (0.7 l/h), 145 psi (10 bar)	0704	1.03 gph (4.0 l/h), 102 psi (7 bar)							
	1601	0.29 gph (1.1 l/h), 232 psi (16 bar)	0705	1.37 gph (5.2 l/h), 102 psi (7 bar)							
	1002	0.55 gph (2.1 l/h), 145 psi (10 bar)	0309	2.38 gph (9.0 l/h), 44 psi (3 bar)							
	1003	0.79 gph (3.0 l/h), 145 psi (10 bar)	0215	4.33 gph (16.4 l/h), 22 psi (1.5 bar)							
	Liquid end material:										
	PP	Polypropylene									
	NP	Acrylic/PVC									
	PV	PVDF									
	O-rings:										
	B	Viton® seals									
	E	EPDM seals									
	T	PTFE seals									
	Liquid end version:										
	0	Non-bleed version, no valve spring									
	1	Non-bleed version, with valve spring									
	2	With bleed valve, no valve spring (except 0704 models)									
3	With bleed valve, with valve spring										
Connection:											
M	1/4" x 3/16"										
N	3/8" x 1/4"										
Logo:											
0	With ProMinent® logo										
Power Supply:											
A	1 ph 230 V 50/60 Hz (Euro plug)										
D	1 ph 115 V 50/60 Hz (US plug)										
4	1 ph 230 V 50/60 Hz (US plug) (consult factory for pricing)										
Control Option:											
0	Standard (w/o external control)										
B	With external and level input retrofit kit, fitted, without level switch										
Accessories:											
1	With accessories (foot valve, injection valve, tubing)										
Control Variant:											
0	Standard										
Approval:											
01	CE										
07	MET										
11	MET + NSF 61										
CNPb	1000	PP	B	0	M	0	A	0	1	0	01



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