

Concept b Series

Economical metering pump solutions!



The **ProMinent® Concept b** 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 b 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 b 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)	0.63	(2.4)	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	0.63 gph (2.4 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