

# Concept <sup>PLUS</sup> Series

Economical metering pump solutions!



The **ProMinent® Concept Plus** series covers a capacity range of **0.16 to 3.17 GPH (0.6 to 13.5 LPH)** 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 approvals
- 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)		(in.)	lbs.	(kg)
<b>CNPA</b>												
1000	145	(10)	0.16	(0.6)	0.07	180	20	(6)	1/4" x 3/16"	3.97	(1.8)	
1601	232	(16)	0.26	(1.0)	0.10	240	20	(6)	1/4" x 3/16"	3.97	(1.8)	
1002	145	(10)	0.53	(2.0)	0.19	180	16	(5)	1/4" x 3/16"	3.97	(1.8)	
1003	145	(10)	0.71	(2.7)	0.19	240	16	(5)	1/4" x 3/16"	3.97	(1.8)	
0704	102	(7)	1.17	(4.4)	0.41	180	13	(4)	1/4" x 3/16"	3.97	(1.8)	
0705	101	(7)	1.37	(5.2)	0.38	240	13	(4)	1/4" x 3/16"	3.97	(1.8)	
0308	43.5	(3)	2.10	(8.0)	0.79	180	20	(6)	3/8" x 1/4"	3.97	(1.8)	
0215	29	(1.5)	3.17	(13.5)	1.40	180	5	(1.5)	3/8" x 1/4"	3.97	(1.8)	

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

## Identity code pump configuration

CNPa	Concept PLUS													
	<b>Version</b>	<b>Capacity</b>						<b>Version</b>	<b>Capacity</b>					
	1000	0.16 gph (0.6 l/h), 145 psi (10 bar)						0704	1.17 gph (4.4 l/h), 102 psi (7 bar)					
	1601	0.26 gph (1.0 l/h), 232 psi (16 bar)						0705	1.37 gph (5.2 l/h), 101 psi (7bar)					
	1002	0.53 gph (2.0 l/h), 145 psi (10 bar)						0308	2.10 gph (8.0 l/h), 43.5 psi (3 bar)					
	1003	0.71 gph (2.7 l/h), 145 psi (10 bar)						0215	3.17 gph (12 l/h), 29 psi (2 bar)					
	<b>Liquid end material:</b>													
	PP	Polypropylene												
	NP	Acrylic/PVC												
	PV	PVDF												
	<b>O-rings:</b>													
	E	EPDM/PTFE coated, only for PP and NP self-degassing												
	B	FPM-B/PTFE coated, only on PP and NP self-degassing												
	T	PTFE/PTFE coated												
	<b>Liquid end version:</b>													
	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												
	<b>Connection:</b>													
	0	Standard according to technical data												
	B	Special connection 3/8" x 1/4"												
	<b>Logo:</b>													
	0	With ProMinent® logo												
	2	Without ProMinent® logo												
	<b>Power Supply:</b>													
	A	1 ph 230 V 50/60 Hz (Euro plug)												
	D	1 ph 115 V 50/60 Hz (US plug)												
	U	1 ph 230 V 50/60 Hz (US plug) (consult factory for pricing)												
	<b>Control Option:</b>													
	0	Standard (w/o external control)												
	B	Pulse control												
	<b>Accessories:</b>													
	1	With accessories (foot valve, injection valve, tubing)												
	<b>Approval:</b>													
	0	CSA												
CNPa	1000	PP	B	2	0	0	A	B	1	0				