

# Concept <sup>PLUS</sup> Series

ProMinent®

## Economical metering pump solutions!

Quality, reliability and the best value!

The **ProMinent® Concept Plus** series covers a capacity range of **0.20 to 3.94 GPH (0.74 to 14.9 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.

Typical applications include metal finishing, chlorination and cooling towers.

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.

External control via dry contact pulse (1:1)

**PVDF Liquid ends** are ideal for standardization.

Wetted end materials: PP, Acrylic/PVC or PVDF



## Applications Specific Solutions

- Cooling towers
- Boiler feed applications
- General Chlorination
- Municipal and industrial wastewater
- Water disinfection
- Biocide feed
- “Pump on a drum” applications

## Features & Benefits

- Certified to **NSF/ANSI 61** (acrylic or PVDF liquid ends)
- 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



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## Capacity data

Pump Version	Capacity at Maximum Back Pressure					Max. Stroking Rate spm	Pre-Primed Suction Lift		Tubing Connectors O.D. x I.D. (in.)	Shipping Weight (approx.)	
	psig	(bar)	U.S. GPH	(L/h)	mL/stroke		ft.	(m)		lbs.	(kg)
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											
	Version	Capacity					Version	Capacity				
	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)				
	Liquid end material:											
	PP	Polypropylene										
	NP	Acrylic/PVC										
	PV	PVDF										
	O-rings:											
	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										
	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:												
0	Standard according to technical data											
B	Special connection 3/8" x 1/4"											
Logo:												
0	With ProMinent® logo											
2	Without ProMinent® logo											
Power Supply:												
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)											
Control Option:												
0	Standard (w/o external control)											
B	Pulse control											
Accessories:												
1	With accessories (foot valve, injection valve, tubing)											
Approval:												
0	CSA											
CNPa	1000	PP	B	2	0	0	A	B	1	0		