Concept b Solenoid Diaphragm Metering Pump

Economical metering pump solutions!



Its compact construction and features make it ideal for use in flow proportional or on/off control applications.

Features and 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

Technical changes reserved. Printed in Germany, 17-6-2026.

Concept b Solenoid Diaphragm Metering Pump

Economical metering pump solutions!

Technical Data

Pump type	Capacity at max. back pressure		Pump capacity at max. back pressure	Stroke rate	Suction lift	Connector size o Ø x i Ø	Shipping weight
	gph | l/h	psi	ml/stroke	Strokes/min	ft | m WC	inch	lb | kg
CNPb 1000	0.18 | 0.7	145	0.07	180	20 | 6	1/4 x 3/16	4 | 1.8
CNPb 1601	0.29 | 1.1	232	0.10	180	20 | 6	1/4 x 3/16	4 | 1.8
CNPb 1002	0.63 | 2.4	145	0.19	180	16 | 5	1/4 x 3/16	4 | 1.8
CNPb 1003	0.79 | 3.0	145	0.21	240	16 | 5	1/4 x 3/16	4 | 1.8
CNPb 0704	1.06 | 4.0	102	0.41	180	13 | 4	1/4 x 3/16	4 | 1.8
CNPb 0705	1.37 | 5.2	102	0.36	240	13 | 4	1/4 x 3/16	4 | 1.8
CNPb 0309	2.38 | 9.0	44	0.83	180	20 | 6	3/8 x 1/4	4 | 1.8
CNPb 0215	4.33 | 16.4	22	1.45	180	5 | 1.5	3/8 x 1/4	4 | 1.8

Note: Above capacities and suction lift refer to pumps tested on water at 115 VAC, 60 Hz, and an ambient temperature of 70 °F (20 °C). Higher specific gravity fluids will reduce suction lift. Capacities will be slightly reduced from published ratings if pumps are skid mounted)

External pulse contact retrofit available as an option (P/N 1046731)

NSF 50 certification only applies to NPB0 & NPB2 liquid ends

Materials in Contact with the Medium

	Pump head	Valves	O-rings	Balls
PPE	Polypropylene	Polypropylene	EPDM	Ceramic
PPB	Polypropylene	Polypropylene	Viton®	Ceramic
NPE	Acrylic	PVC	EPDM	Ceramic
NPB	Acrylic	PVC	Viton®	Ceramic
PVT	PVDF	PVDF	PTFE	Ceramic

Pump diaphram with PTFE-coating.
Note: Viton® is a registered trademark of DuPont Dow Elastomers.

Technical changes reserved. Printed in Germany, 17-6-2026.