



Solenoid-Driven Metering Pump beta

Capacity range
0.74 – 32 l/h, 25 – 2 bar

All-purpose solenoid-driven metering pump for metering liquid media in water treatment and chemical processes: Solenoid-driven metering pump beta. Cost-effective, overload-proof, adaptable to existing signal transducers.

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Product description

[Overview](#)

[Application](#)

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Field of application

- Metering liquid media in water treatment and chemical processes



Cooling Water Treatment

Everything at ProMinent revolves around the perfect cooling water circuit, which needs to experience few losses over its long life. The precise metering of inhibitors and biocides and suitable filters make this possible.

(../../../../Applications/Applications/Cooling-Water-Treatr

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Technical Details

- External control via potential-free contacts with pulse step-up and step-down to adapt to existing signal transducers of 64:1 to 1:64
- Optional external control via 0/4 – 20 mA and potential-free contacts with pulse step-up and step-down of 32:1 to 1:32
- Stroke rate adjustment in 10% increments of 10 – 100% corresponds to 18 – 180 strokes/minute

- Continuous stroke length adjustment of 0 – 100% (recommended 30 – 100%)
- Connector for 2-stage level switch
- Wide-range electrical connection: 100 – 230 V, 50/60 Hz
- Optional relay module, can also be retrofitted easily and securely
- Low voltage design 12 – 24 V DC

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Pump type			
	bar	l/h	ml/stroke
Metering pumps with non-self-bleeding dosing head			
BT4b 1000 **	10	0.74	0.07
BT4b 1601 **	16	1.1	0.10
BT4b 1602 **	16	2.2	0.20
BT4b 0708 **	7	7.1	0.66
BT4b 0220	2	19.0	1.76
BT4b 0413	4	12.3	1.14
BT4b 1604 **	16	3.6	0.33
BT5b 0232	2	32	2.96
BT5b 0420	4	17.1	1.58

* Suction lift with a filled dosing head and filled suction line, with a :

** Pressure-reduced pump types are available in the pressure stage

Pump type

	bar	l/h	ml/stroke
BT5b 0713	7	11	1.02
BT5b 1008	10	6.8	0.63
BT5b 2504	25	2.9	0.27
Metering pumps with self-bleeding dosing head			
BT4b 1602 **	10	1.4	0.13
BT4b 1604 **	10	2.7	0.25
BT4b 0220	2	16.2	1.50
BT4b 0413	4	10.8	1.00
BT4b 0708 **	7	6.6	0.61
BT5b 0713	7	10.5	0.97
BT5b 0420	4	15.6	1.44
BT5b 1008	10	6.3	0.58

* Suction lift with a filled dosing head and filled suction line, with a :

** Pressure-reduced pump types are available in the pressure stage

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beta b metering pumps with dosing heads for higher-viscosity media have a 10 – 20 % lower capacity and are not self-priming with all feed chemicals. G 3/4-DN 10 connector with d 16-DN 10 hose nozzle.

All data calculated with water at 20 °C.

Materials in Contact with the Medium

Identity code of material	Dosing head	Connection on suction/discharge side	Ball seal
PPT	Polypropylene	PVDF	PVDF

Identity code of material	Dosing head	Connection on suction/discharge side	Ball seal
NPT	Clear acrylic	PVDF	PVDF
SST	Stainless steel 1.4404	Stainless steel 1.4404	Ceramic
PVT	PVDF	PVDF	PVDF
TTT	Carbon-filled PTFE	Carbon-filled PTFE	Ceramic

Metering reproducibility: ± 2% when used according to the operating instructions.

Permissible ambient temperature –10 °C to +45 °C.

Degree of protection: IP 66, insulation class F

Scope of supply

Metering pump with mains cable, connector kit for hose/tube connector as per table.

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
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Data Sheet

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Practical examples for this product



Sustainable pool operation in Heidelberg

High-performance measuring and control technology from ProMinent is providing sustainable water treatment for municipal swimming pools in the city of Heidelberg. Economical operation ensures that all visitors can continue to enjoy the pools in the long term.

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