

Diaphragm Metering Pump beta/ X

Precision made simple – beta/ X



Tired of complicated pumps? Introducing beta/ X – a diaphragm metering pump engineered for simplicity. Set up in minutes, operate with ease, and stay connected via smartphone. With improved precision dosing, 360° status LEDs, and a rugged, flexible mounting design, beta/ X does the hard work – so you don't have to.

Features and Benefits

- Set dosing rates in seconds with an intuitive click wheel and LCD display – no calculations needed.
- Achieve precise, pulse-free metering with a digital stepper motor and a 1000:1 turndown ratio.
- Stay informed at a glance with 360° multicolor LED status indicators.
- Install and service with ease via a quick-release mounting plate for flexible wall or base positioning.
- Configure and monitor remotely with built-in NFC and (optional) Bluetooth® smartphone connectivity.
- Handle viscous or challenging media reliably with optimized dosing heads and strong suction performance.
- Enhanced process reliability due to improved priming and optimized handling of air locks.
- Choose eco-conscious dosing with a PFAS-free variant that supports environmental compliance (coming soon).
- Integrate effortlessly into control systems via analog inputs, relays, and CANopen interfaces.
- Reduce energy consumption with a design that uses up to 50% less power than previous models.

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Technical Data

Pump type	Capacity at max. back pressure			Stroke rate	Connector size o Ø x i Ø	Suction lift	Shipping weight	
	psi	gph l/h	ml/stroke				PV, PE lb kg	SS lb kg
BTXb 16006	232	1.59 6	0.50	200	1/4 x 3/16	16 5	5.3 2.4	6.4 2.9
BTXb 07018	102	4.76 18	1.5	200	3/8 x 1/4	13 4	5.7 2.6	8.6 3.9
BTXb 04028	58	7.29 27.6	2.30	200	1/2 x 3/8	13 4	5.7 2.6	8.8 4.0
BTXb 02050	29	13.32 50.4	4.20	200	1/2 x 3/8	10 3	6 2.7	9.9 4.5

The vPTFE diaphragm and vPE diaphragm are limited to a maximum operating pressure of 145 psi (10 bar). The delivery rates of the dosing pumps with vPTFE diaphragm and vPE diaphragm can deviate by 10-20 % compared to the standard diaphragm.

Dosing repeatability: ±1 % when used in accordance with the instructions in the operating instructions

Permissible ambient temperature: 14 °F to 113 °F (-10 °C to +45 °C)

Average power consumption: 3.4 ... 16.5 W

Protection class: IP 66, NEMA 4X, insulation class F