

Diaphragm metering pump beta/ X

The new generation – simply beta/ X



The beta/ X diaphragm metering pump provides simple handling, precise metering and digital networking. With its intuitive operation, robust design and environmentally-friendly PFAS-free variant, it is setting new standards in metering technology.

Technical Data

- The desired l/h can be set using a click wheel & display.
- Continuous metering with a wide adjustment range of 1:1000.
- Enhanced process reliability thanks to improved priming and optimised handling of air locks.
- Available in PFAS-free variant.
- Bluetooth and NFC interfaces.
- Energy-efficient: The beta/ X is twice as energy efficient as its comparable predecessor model.

Diaphragm metering pump beta/ X

The new generation – simply beta/ X

Technical Data

Pump type	Pump capacity at max. back pressure			Stroke rate	Connector size äØ x iØ	Suction lift*	Shipping weight	
	bar	l/h	ml/stroke				PV, PE kg	SS kg
BTXb 16006	16	6	0,50	200	6 x 4	5	2,4	2,9
BTXb 07018	7	18	1,5	200	8 x 5	4	2,6	3,9
BTXb 04028	4	27,6	2,30	200	12 x 9	4	2,6	4,0
BTXb 02050	2	50,4	4,20	200	12 x 9	3	2,7	4,5

* Suction lift with a filled dosing head and filled suction line, with a self-bleeding dosing head with air in the suction line.

The vPTFE diaphragm and vPE diaphragm are limited to a maximum operating pressure of 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.

Materials in Contact with the Medium

Identity code of material	Dosing head	Connection on suction/ discharge side	Ball seat	Seals	Balls
PVT	PVDF	PVDF	PEEK	Standardmembran - Medienberührt PTFE	Ceramic AL203
PVM	PVDF	PVDF	PEEK	Voll-PTFE-Membran	Ceramic AL203
PET	PE	PE	PEEK	Standardmembran - Medienberührt PTFE	Ceramic AL203
PEP	PE	PE	PEEK	Voll-PTFE-Membran	Ceramic AL203
SST	Edelstahl 1.4404	Edelstahl 1.4404	Keramik ZrO2	Standardmembran - Medienberührt PTFE	Ceramic AL203

Repeatability of dosing: ± 1 % when used in accordance with the instructions in the operating manual

Permissible ambient temperature: -10 °C to +45 °C

Average power consumption: 3.4 ... 16.5 W

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