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 Details

- 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.

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Technical Data

Pump type	Pump capacity at max. back pressure			Stroke rate	Connector size o Ø x i Ø	Suction lift	Shipping weight	
							PV, PE	SS
	bar	l/h	ml/stroke	Strokes/min	mm	m WC	kg	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

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	PVDF	Standard diaphragm - Wetted PTFE	Ceramic AL203
PVM	PVDF	PVDF	PVDF	Full PTFE membrane	Ceramic AL203
PEP	PE	PE	PEEK	Full PE diaphragm	Ceramic AL203
SST	Stainless steel 1.4404	Stainless steel 1.4404	Ceramic ZrO2	Standard diaphragm - Wetted 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

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