

Solenoid-Driven Metering Pump gamma/ X

gamma/ X – the proven best-seller intelligently extended



Capacity range 2.3 – 45 l/h, 25 – 2 bar

The new solenoid-driven diaphragm metering pump gamma/ X is user-friendly and has an outstandingly long service life, just like its predecessor. An ingenious solenoid control measures the back pressure and protects the system from overload. This technology makes a pressure sensor superfluous, meaning that operating safety can be significantly increased: no additional parts come into contact with the feed chemical, there are no additional

sealing surfaces and no electronic components come into contact with the feed chemical. Whether the metering volume fluctuates or hydraulic failures affect the metering process – the gamma/ X keeps everything at your fingertips.

It independently ensures a trouble-free metering process and should the pump ever need maintenance its service module draws attention to this.

Your benefits

- Simple adjustment of the capacity directly in l/h
- Direct input of the required final concentration with volume-proportional metering tasks in concentration mode
- Integrated pressure measurement and display for greater safety during commissioning and in the process
- Virtually wear-free solenoid drive, overload-proof and economical
- Suitable for continuous micro-metering from approx. 1 ml/h thanks to the regulated solenoid drive
- Detection of hydraulic malfunctions, such as gas in the dosing head, and no or too high back pressure ensures smooth processes

Field of application

- Can be integrated into automated processes and used in all industries.
- The pump can work as a control unit with the timer, for example in cooling water treatment.

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Technical Data

Pump type	Delivery rate at max. back pressure			Stroke rate Strokes/min	Connection size o Ø x i Ø mm	Suction lift m WC	Shipping weight	
	bar	l/h	ml/stroke				PP, NP, PV, TT kg	SS kg
gamma/ X								
GMXa 1602	16	2.3	0.19	200	6 x 4	6.0**	3.6	4.1
GMXa 1604	16	3.6	0.30	200	6 x 4	5.0**	3.6	4.1
GMXa 0708	7	7.6	0.63	200	8 x 5	4.0**	3.7	5.0
GMXa 0414	4	13.5	1.13	200	8 x 5****	3.0**	3.7	5.0
GMXa 0220	2	19.7	1.64	200	12 x 9	2.0**	3.7	5.0
GMXa 2504	25	3.8	0.32	200	8 x 4****	4.0**	4.9	5.5
GMXa 1009	10	9.0	0.75	200	8 x 5	3.0**	5.1	6.5
GMXa 0715	7	14.5	1.21	200	8 x 5****	3.0**	5.1	6.5
GMXa 0424	4	24.0	2.00	200	12 x 9	3.0**	5.1	6.5
GMXa 0245	2	45.0	3.70	200	12 x 9*****	2.0**	5.2	7.0
gamma/ X metering pumps with self-bleeding dosing head without bypass								
GMXa 1602	10	0.9	0.08	200	6 x 4	1.8**	3.6	–
GMXa 1604	10	1.6	0.13	200	6 x 4	1.8**	3.6	–
GMXa 0708	7	5.7	0.48	200	8 x 5	1.8**	3.7	–
GMXa 0414	4	12.0	1.00	200	8 x 5	1.8**	3.7	–
GMXa 0220	2	17.4	1.45	200	12 x 9	1.8**	3.7	–
GMXa 1009	10	6.0	0.50	200	8 x 5	1.8**	5.1	–
GMXa 0715	7	12.9	1.08	200	8 x 5	1.8**	5.1	–
GMXa 0424	4	19.2	1.60	200	12 x 9	1.8**	5.1	–

gamma/ X metering pumps with dosing heads for high-viscosity media have a 10 – 20% lower capacity and are not self-priming. G 3/4-DN 10 connector with d 16-DN 10 hose nozzle.

- * The given performance data represents guaranteed minimum values, calculated using water as the medium at room temperature.
- ** Suction lift with a filled dosing head and filled suction line, with a self-bleeding dosing head with air in the suction line
- *** with stainless steel design 6 mm connector width
- **** with stainless steel design 12 mm connector width
- ***** with stainless steel design DN 10

All data refers to water at 20 °C.

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Materials in Contact With the Medium

	Dosing head	Suction/pressure connector	Ball seat	Seals	Balls
PPT	Polypropylene	PVDF	PVDF	PTFE	Ceramic
NPT	Clear acrylic	PVDF	PVDF	PTFE	Ceramic
PVT	PVDF	PVDF	PVDF	PTFE	Ceramic
TTT	PTFE with carbon	PTFE with carbon	Ceramic	PTFE	Ceramic
SST	Stainless steel material no. 1.4404	Stainless steel material no. 1.4404	Ceramic	PTFE	Ceramic

Metering reproducibility: $\pm 2\%$ when used according to information in the operating instructions

Permissible ambient temperature: $-10\text{ }^{\circ}\text{C}$ to $+45\text{ }^{\circ}\text{C}$

Mean power consumption: 24/30 W

Degree of protection: IP 66, NEMA 4X, insulation class F

Scope of supply

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