

# X-tremely clever!

## gamma/ X – the proven best-seller intelligently extended



### Capacity range 1 ml - 45 l/h, 25 - 2 bar

Take a moment to discover a metering pump that sets new standards in terms of productivity, reliability and economy!

The new solenoid 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.**

### Your benefits

- Virtually wear-free solenoid drive, overloadproof and economical
- Suitable for continuous micro-metering from 1 ml/h thanks to the regulated solenoid drive
- Simple adjustment of the capacity directly in l/h
- Direct input of the desired final concentration for volume-proportional metering tasks
- Trouble-free processes by the detection of hydraulic malfunctions or blocked discharge lines
- Integrated pressure measurement and display for greater safety during commissioning and in the process
- Adaptation to existing signal transducers by external control via potential-free contacts with pulse step-up and step-down
- External control via 0/4-20 mA standard signal with adjustable assignment of signal value to stroke rate
- Integrated 7-day timer for timed metering tasks
- Guaranteed metering by means of automatic bleeding
- Connection to process control systems via bus interfaces, such as Profinet, CAN bus, from the 3rd quarter of 2015, others on request

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## Field of application

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

Type gamma/ X	Delivery rate at max. Back pressure			Connection size oØ x iØ mm	Suction lift mWc
	bar	l/h	ml/stroke		
GMXa 1602	16	2.3	0.19	6 x 4	6.0**
GMXa 1604	16	3.6	0.30	6 x 4	6.0**
GMXa 0708	7	7.6	0.63	8 x 5	6.0**
GMXa 0414	4	14.0	1.17	8 x 5	3.0**
GMXa 0220	2	19.7	1.64	12 x 9	2.0**
GMXa 2504	25	3.8	0.32	8 x 4***	6.0**
GMXa 1009	10	9.0	0.75	8 x 5	6.0**
GMXa 0715	7	14.5	1.21	8 x 5	4.0**
GMXa 0424	4	24.0	2.00	12 x 9	3.0**
GMXa 0245	2	45.0	3.70	12 x 9	2.0**

\*\* 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

	Dosing head	Suction/pressure connector	Ball seat	Balls
PPE	Polypropylene	Polypropylene	EPDM	Ceramic
PPB	Polypropylene	Polypropylene	FKM	Ceramic
PPT	Polypropylene	Polypropylene	PVDF	Ceramic
NPE	Clear acrylic	PVC	EPDM	Ceramic
NPB	Clear acrylic	PVC	FKM	Ceramic
NPT	Clear acrylic	PVC	PVDF	Ceramic
PVT	PVDF	PVDF	PVDF	Ceramic
TTT	PTFE with carbon	PTFE with carbon	Ceramic	Ceramic
SST	Stainless steel material no. 1.4404	Stainless steel material no. 1.4404	Ceramic	Ceramic

Self-bleeding design only in material designs PP and NP with a valve spring made of Hastelloy C and a PVDF valve insert. Diaphragm with a PTFE coating.

FKM = fluorine rubber

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

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

Mean power consumption: 24/30 W

Degree of protection: IP 65, insulation class F

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ProMinent