Solenoid-Driven Metering Pump gamma/ XL

gamma/ XL – large output, great features



Capacity range 8 – 80 l/h, 25 – 2 bar

The new solenoid-driven metering pump gamma/ XL is the enhancement to our proven gamma/ X and covers a capacity range from 8 – 80 l/h at 25 – 2 bar. The gamma/ XL also has other interfaces, for example CAN bus and Wi-Fi connections. This allows the gamma/ XL to network with all systems, devices and platforms. Like the gamma/ X, the gamma/ XL has an intuitive operating concept. The pump is adjusted using a click wheel and 4 additional operating keys. Pressure detection without wetted parts ensures maximum operational safety. Hydraulic error statuses, like “Gas in the dosing head”, “Overpressure” and “No pressure” can be detected.

Pressure fluctuations in the system are detected and compensated for, achieving a high level of dosing precision and reducing chemical consumption to the required level.

The last 300 events are retrospectively saved in the integral log book, which permits rapid analysis of the cause and troubleshooting.

Deviations from the metering volume or hydraulic fault statuses are immediately detected and corrected by the gamma/ XL. The pump’s operating menu includes ordering information for the wear parts required.

Designed as a smart product, it can also be connected to our web-based DULCOnneX fluid management platform. The user can use this to monitor his metering process in real time, avoid downtimes and generate reports fully automatically.

Your benefits

- Simple adjustment of the capacity directly in l/h or in gph
- Integrated pressure measurement and display for greater safety during commissioning and in the process
- Bluetooth and Wi-Fi connection for the simple configuration and call-up of process data (optional)
- Capacity adjustment range 1:40,000
- Direct input of the required final concentration with volume-proportional metering tasks in concentration mode
- Virtually wear-free solenoid drive, overload-proof and economical

Printed in Germany, 31-7-2019.

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Technical Data

Field of application

- Chemical distributors
- Systems engineering
- Food and beverage industry
- Potable water
- Waste water
- Chemical industry
- Electroplating
- Bottling processes, e.g. ink cartridges or highlighter pens
- With an integrated process timer, suitable as a control unit for simple processes, e.g. biocide metering in cooling water
- All industrial applications, either as a stand-alone unit or integrated in a complete system

Pump type	Max. pressure	Delivery rate	Stroke volume	Max. stroke rate	Nominal diameter	Suction lift	Shipping weight NPE, NPB, PVT / SST
	bar	l/h	ml/stroke	Strokes/min		m WC	kg
gamma/ XL							
GXLa 2508	25	8	0.67	200	8 x 4** mm	5*	10/11
GXLa 1608	16	8	0.67	200	8 x 5** mm	5*	10/11
GXLa 1612	16	12	1	200	8 x 5 mm	6*	10/11
GXLa 1020	10	20	1.7	200	12 x 9 mm	5*	10/11
GXLa 0730	7	30	2.5	200	12 x 9 mm	5*	10/11
GXLa 0450	4	50	4.2	200	G 3/4 - DN 10	3*	10/11
GXLa 0280	2	80	6.7	200	G 3/4 - DN 10	2*	10/11
gamma/ XL metering pumps with self-bleeding dosing head without bypass*							
GXLa 1608	16	3.8	0.32	200	8 x 5 mm	1.8	10
GXLa 1612	16	6.5	0.54	200	8 x 5 mm	1.8	10
GXLa 1020	10	14	1.17	200	12 x 9 mm	1.8	10
GXLa 0730	7	28	2.33	200	12 x 9 mm	1.8	10

gamma/ XL metering pumps with dosing heads for higher-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.

* Suction lift (m WC) = Suction lift with filled dosing head and filled suction line

** With stainless steel design 6 mm connector width

All data refers to water at 20 °C.

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Materials in Contact With the Medium

Design	Dosing head	Suction/pressure connector	Ball seat	Seals	Valve balls
NPT	Clear acrylic	PVDF	PVDF	PTFE	Ceramic
PVT	PVDF	PVDF	PVDF	PTFE	Ceramic
SST (8 – 12 mm)	stainless steel 1.4404	stainless steel 1.4404	Ceramic	PTFE	Ceramic
SST (DN 10)	stainless steel 1.4404	stainless steel 1.4404	PTFE with carbon	PTFE	Ceramic

Design of connectors

Plastic	8 – 12 mm	Hose squeeze connector
	DN 10	d16 DN 10 hose nozzle
Stainless steel	6 – 12 mm	Swagelok system
	DN 10	Rp 3/8 insert

Diaphragm with PTFE coating.

Repeatability of metering ±2% when used in accordance with the operating instructions.

Permissible ambient temperature –10 °C to 45 °C.

Mean power consumption 78 W.

Degree of protection IP 66, insulation class F.

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