

Solenoid-Driven Metering Pump delta®

Virtually an all-rounder and just the right solution for exacting requirements.



Capacity range 7.5 – 75 l/h, 25 – 2 bar

A range of different pump types and material combinations are available for virtually all metering applications. The optional 1-month process timer offers a variety of installation options. The pump achieves maximum precision even with fluctuating back pressure thanks to the regulated solenoid drive. This guarantees an exceptionally long service life even

under maximum load. The integrated monitoring function optoGuard® reports faulty hydraulic conditions, such as overpressure or ruptured metering line. The large illuminated LC display guarantees excellent legibility of all displayed values. The capacity is shown directly in l/h.

Your benefits

- Adjustment of the capacity directly in l/h
- 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
- Organise work processes conveniently with the optional process timer. The alternative to timers or PLCs.
- Optional PROFIBUS® interface for connection to process control systems
- Suitable for use with almost all liquid chemicals, thanks to the available material combinations PVDF, clear acrylic and stainless steel

Field of application

They can be used in all industries and integrated into automated processes. Maximum process reliability through the regulated solenoid drive and opto-Guard® monitoring function. The pump can work as a control unit with the process timer, for example in cooling water treatment

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Technical Data

Pump type	Max. pressure	Delivery rate	Stroke volume	Max. stroke rate	Connector size outside Ø x inside Ø	Suction lift	Shipping weight NPE, NPB, PVT / SST
	bar	l/h	ml/stroke	Strokes/min		m WC	kg
delta®							
DLTa 1612	16	11.3	0.94	200	8 x 5 mm	6*	10/11
DLTa 1020	10	19.1	1.59	200	12 x 9 mm	5*	10/11
DLTa 0730	7	29.2	2.43	200	12 x 9 mm	5*	10/11
DLTa 0450	4	49.0	4.08	200	G 3/4 - DN 10	3*	10/11
DLTa 0280	2	75.0	6.25	200	G 3/4 - DN 10	2*	10/11
DLTa 2508	25	7.5	0.62	200	8 x 4** mm	5*	10/11
DLTa 1608	16	7.8	0.65	200	8 x 5** mm	5*	10/11
delta® metering pumps with self-bleeding dosing head without bypass*							
DLTa 1608	16	3.8	0.32	200	8 x 5 mm	1.8	10
DLTa 1612	16	6.5	0.54	200	8 x 5 mm	1.8	10
DLTa 1020	10	14.0	1.17	200	12 x 9 mm	1.8	10
DLTa 0730	7	28.0	2.33	200	12 x 9 mm	1.8	10

delta® 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.

Materials in Contact With the Medium

Design	Dosing head	Suction/pressure connector	Ball seat	Seals	Valve balls
NPE	Clear acrylic	PVC	EPDM	EPDM	Ceramic
NPB	Clear acrylic	PVC	FKM	FKM	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 a PTFE coating.

Repeatability of metering ±2% when used according to the operating instructions.

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

Mean power consumption 78 W.

Degree of protection IP 66, insulation class F.

Scope of supply

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