

► from 3.2 - 21 gph (12 - 80 l/h)

# ProMinent® delta® with optoDrive®

Experts in Chem-Feed and Water Treatment

ProMinent®

## The best of both worlds!

ProMinent® offers the revolutionary drive concept **optoDrive®** for the first time in its new **delta®** series. The **delta® series** includes diaphragm-type metering pumps designed for delivery rates of **3.2 gph at 232 psi (12 l/h at 16 bar)** and up to **21 gph at 29 psi (80 l/h at 2 bar)**. Due to its wide adjustment range – both the stroke length and the stroke rate can be varied – this output range is covered by only four different pump sizes. This reduces the variety of replacement parts and therefore the operating costs. The pumps are just as easy to operate as the popular **ProMinent® gamma/ L** and **Sigma series**.

## Applications

- Bleach and other off-gassing fluid applications
- Water and wastewater treatment
- Highly automated processes in nearly all industries
- Cooling tower and boiler water treatment

## Features and benefits

- Continuous or pulsating metering without the need for a separate dampener
- Automatic compensation for fluctuations in backpressure without the need for a separate backpressure valve
- optoGuard® technology ensures flow verification without the need for a separate flow monitor
- Automatic detection of blocked or broken points in the system
- Metering accuracy due to simplification of the control loop



ProMinent® delta metering pump



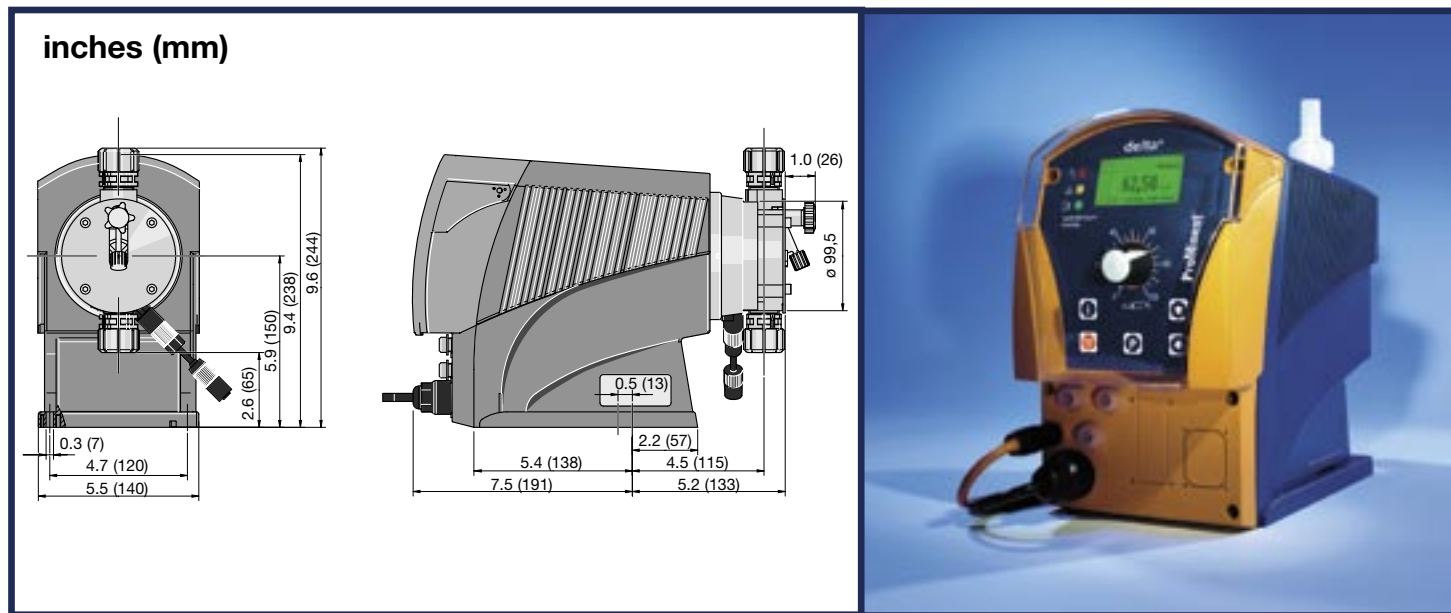
Revolutionary optoDrive® technology

- Superior economy due to lack of necessary optional accessories and fewer spare parts
- The duration of the suction stroke can be matched to the dosing medium preventing cavitation with effervescent media.

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## Dimensional data



## Capacity data

### Capacity at Maximum Backpressure

delta® Pump Type					strokes/ min.	suct. Lift mWG	Suction/Discharge connectors	
	psig	(bar)	gph	(l/h)			in.	DN
1612	232	(16)	3.2	(12)	200	6	1/2" MNPT	10
1020	145	(10)	5.3	(20)	200	5	1/2" MNPT	10
730	102	(7)	7.9	(30)	200	5	1/2" MNPT	10
450	58	(4)	13.2	(50)	200	3	1/2" MNPT	10
280	29	(2)	21.1	(80)	200	2	1/2" MNPT	10

## Liquid end materials in contact with media

Version	Liquid End	Suction/Discharge valves	Seals	Valve balls	Diaphragm*
*PVT	*PVDF	*PVDF	PTFE	Ceramic	PTFE
SST	316 Stainless steel	316 Stainless Steel	PTFE	Ceramic	PTFE

\*Highly compatible material suitable for most fluids.

Viton® is a registered trademark of DuPont Dow Elastomers.

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