

delta[®] with optoDrive[®]

Energy efficient and NSF approved

ProMinent[®] offers the revolutionary new **optoDrive[®]** for the first time in the **delta[®]** series. The **optoDrive[®]** allows the suction & discharge stroke duration to be adjusted. This provides a turndown ratio of 36,000:1.

The **delta[®]** is a solenoid driven, diaphragm metering pump. It covers a feed range from **2.0 gph at 363 psi (8 l/h at 25 bar) to 20 gph at 29 psi (75 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 seven 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

- Emulsion polymer feed
- Process applications requiring a large turndown
- Water and Wastewater treatment
- Cooling tower and Boilers

Features & Benefits

- Certified to **NSF/ANSI 61** (acrylic or PVDF liquid ends)
- Adjustable suction and discharge stroke duration delivers a more even flow
- **optoDrive[®]** uses the pump energy profile to indicate over-pressure and loss of prime without the need for an external flow monitor
- Auto-degassing design is ideal for off-gassing chemicals
- Turndown ratio makes it possible to reduce the number of pump models required for standardization
- HV liquid ends for higher viscosity media
- pH, ORP or Chlorine control module
- Interface for profibus or CANopen (optional)
- Diaphragm rupture detection and signalling (optional)



delta[®] built-in auto-degassing technology

- Options to de-gas upon loss of pressure and/or periodically for prevention
- Self detection and correction of airlock (loss of pressure)
- Increased safety through the automatic detection of blocked or broken discharge lines
- Eliminates the need to dilute hypochlorite for small water treatment systems.
- Increased pump accuracy through automatic correction of flow over a wide variation of backpressure



Capacity data

Capacity at Maximum Backpressure

delta [®] Pump Type					strokes/ min.	Pre-primed suct. lift		Suction/Discharge connectors in.	Shipping weights (higher weights are for SST)	
	gph	(l/h)	psig	(bar)		ft.	(m)		lbs.	(kg)
2508	2.0	(7.5)	363	(25)	200	19.6	(5)	3/8" x 1/2" (1/2" MNPT dis. only)	22-24	(10-11)
1608	2.1	(7.8)	232	(16)	200	16.4	(5)	3/8" x 1/4"	22-24	(10-11)
1612	3.0	(11.3)	232	(16)	200	19.6	(6)	3/8" x 1/4"	22-24	(10-11)
1020	4.8	(18.0)	145	(10)	200	16.4	(5)	1/2" x 3/8"	22-24	(10-11)
0730	7.7	(29.2)	102	(7)	200	16.4	(5)	1/2" x 3/8"	22-24	(10-11)
0450	12.9	(49.0)	58	(4)	200	9.8	(3)	5/8" ID hose barb standard*	22-24	(10-11)
0280	19.8	(75.0)	29	(2)	200	6.7	(2)	5/8" ID hose barb standard*	22-24	(10-11)

* (1/2" MNPT optional)

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
NPE	Acrylic	PVC	EPDM	Ceramic	PTFE
NPB	Acrylic	PVC	Viton®	Ceramic	PTFE

*Highly compatible material suitable for most fluids.

Viton® is a registered trademark of DuPont Dow Elastomers.