



DOSING PLUS³ SYSTEM for automatic deaeration

Degassing and calibration unit for your DMI and DDI pumps

The Plus³ system is a deaeration and calibration unit that enables your dosing pump to handle volatile liquids. Briefly put, it removes gas from the liquid being dosed and makes continuous calibration possible while the pump is in operation.

The Plus³ system allows for reliable dosing of volatile media, accurate dosing of very small quantities, and precise dosing of concentrated, or neat, liquids. Designed as an option for use with the DMI and DDI models, the Plus³ system lets you get the most out of your dosing pump.

Reliable dosing of sodium hypochlorite

The Plus³ system is based on a patented double-diaphragm design which removes air in the dosing media, thereby insuring completely accurate dosing. Fluids like sodium hypochlorite that can cause many pumps to gas lock and lose prime are handled with ease using the Plus³ system.

The usual problems associated with such high-precision dosing are avoided by having the Plus³ unit lift a large quantity of liquid into the priming chamber. Here, it is deaerated so that

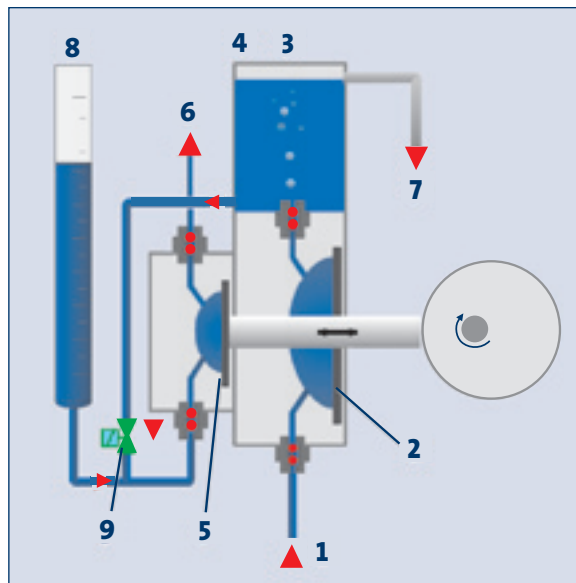
all gas bubbles are removed before the exact dose required is added to your process. The unwanted air is vented into the atmosphere, while the surplus liquid is returned to the container for later use.

Continuous calibration

The Plus³ system includes a compact integrated calibration system. This allows for accurate control and adjustment of the dosing rates at any time. You won't need to interrupt the process, no additional calibration devices are necessary, and no chemicals are wasted. The net result is simple: The calibration system saves you time and money.

Change tanks during operation

Because of the small reservoir built into the pump head, the Plus³ system allows you to change the feed tank while the pump is running – a definite plus for disinfection processes.



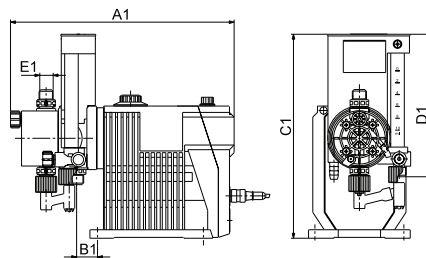
The Plus³ system employs a patented double diaphragm design to optimize dosing accuracy.

How it works

- The first diaphragm (2) draws in a large amount of dosing media from the dosing tank (1) and transfers it into the priming chamber (3) for deaeration. This eliminates the problems associated with drawing-in of very small quantities.
- (4) Any gas bubbles in the liquid are vented into the atmosphere.
- The second diaphragm (5) doses the exact amount of liquid required into the dosing line (6).
- Excess liquid is returned to the tank through the deaeration bypass (7).
- The integrated calibration tube (8) and valve (9) allow for precise calibration of the dosing flow while the pump is running.

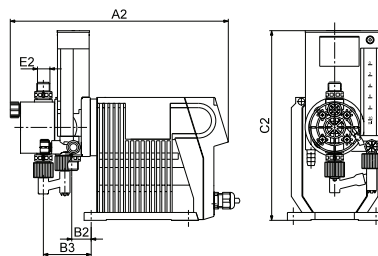
Performance range

Model	Size	Capacity
DDI	0.4 - 10	0.10 gph/145 psi
	2 - 16	0.50 gph/232 psi
	3 - 10	0.58 gph/145 psi
	6 - 10	1.29 gph/145 psi
DMI	0.3 - 10	0.08 gph/43.5 psi 0.05 gph/145 psi
	0.8 - 16	0.42 gph/145 psi 0.13 gph/232 psi
	1 - 10	0.42 gph/43.5 psi 0.21 gph/145 psi
	1.1 - 16	0.71 gph/145 psi 0.44 gph/232 psi
	1.6 - 10	0.71 gph/43.5 psi 0.55 gph/145 psi
	3 - 10	0.98 gph/43.5 psi 0.87 gph/102 psi
	3.6 - 16	1.43 gph/145 psi 1.11 gph/232 psi
	4 - 8	1.43 gph/43.5 psi 1.27 gph/87 psi
	6 - 6	1.85 gph/43.5 psi 1.65 gph/87 psi



DMI with Plus³ system

Pump	DMI 0.3 - 10
A1	10.28
B1	0.99
C1	9.88
D1	7.78
E1	G 3/8



DDI 209 AR with Plus³ system

Pump	DDI 0.40 - 10
Model	209 AR
A2	10.87 (276)
B2	0.98 (25)
B3	2.4 (61)
C2	9.45 (240)
E2	G 3/8

L-DP3-SL-01 04/07 (US)
Subject to alterations