



## Plus<sup>3</sup> system for automatic deaeration

### Degassing and calibration unit for your DMI and DDI pumps

The Plus<sup>3</sup> system is a deaeration and calibration unit that enables your dosing pump to handle high-precision tasks. Briefly put, it removes all traces of gas from the liquid being dosed and allows for continuous calibration while the pump is in operation.

The Plus<sup>3</sup> system allows for reliable dosing of volatile media, accurate dosing of very small quantities, and precise dosing of concentrated liquids. Designed for use with the DMI and DDI dosing ranges, the Plus<sup>3</sup> system lets you get the most out of your dosing pump.

### Reliable dosing of volatile liquids

The Plus<sup>3</sup> system is based on a patented double-diaphragm design which removes all traces of air in the dosing media, thereby ensuring completely accurate dosing – even when you need to dose very small quantities of volatile liquids. For example, it is used worldwide for chlorine dosing, typically sodium hypochlorite.

The usual problems associated with such high-precision dosing are avoided by having the Plus<sup>3</sup> unit draw in 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 gas is vented into the atmosphere, while the surplus liquid is returned to the container for later use.

### Continuous calibration

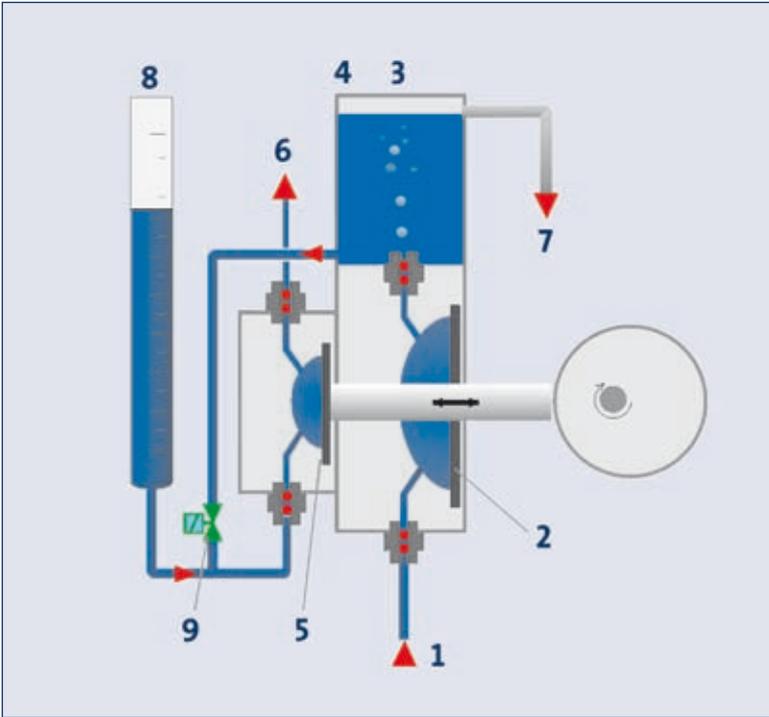
The Plus<sup>3</sup> system includes a compact integrated calibration system. This allows for accurate control and adjustment of the dosing rates at any time. You won't need to interrupt the process, no additional calibration aids are necessary, and no chemicals are wasted. The net result is simple: The calibration system saves you time and money.

### Change tanks during operation

The Plus<sup>3</sup> system allows you to change the dosing tank while the pump is running – a definite plus for disinfection processes.

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The Plus<sup>3</sup> system employs a patented double diaphragm design to optimise 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

