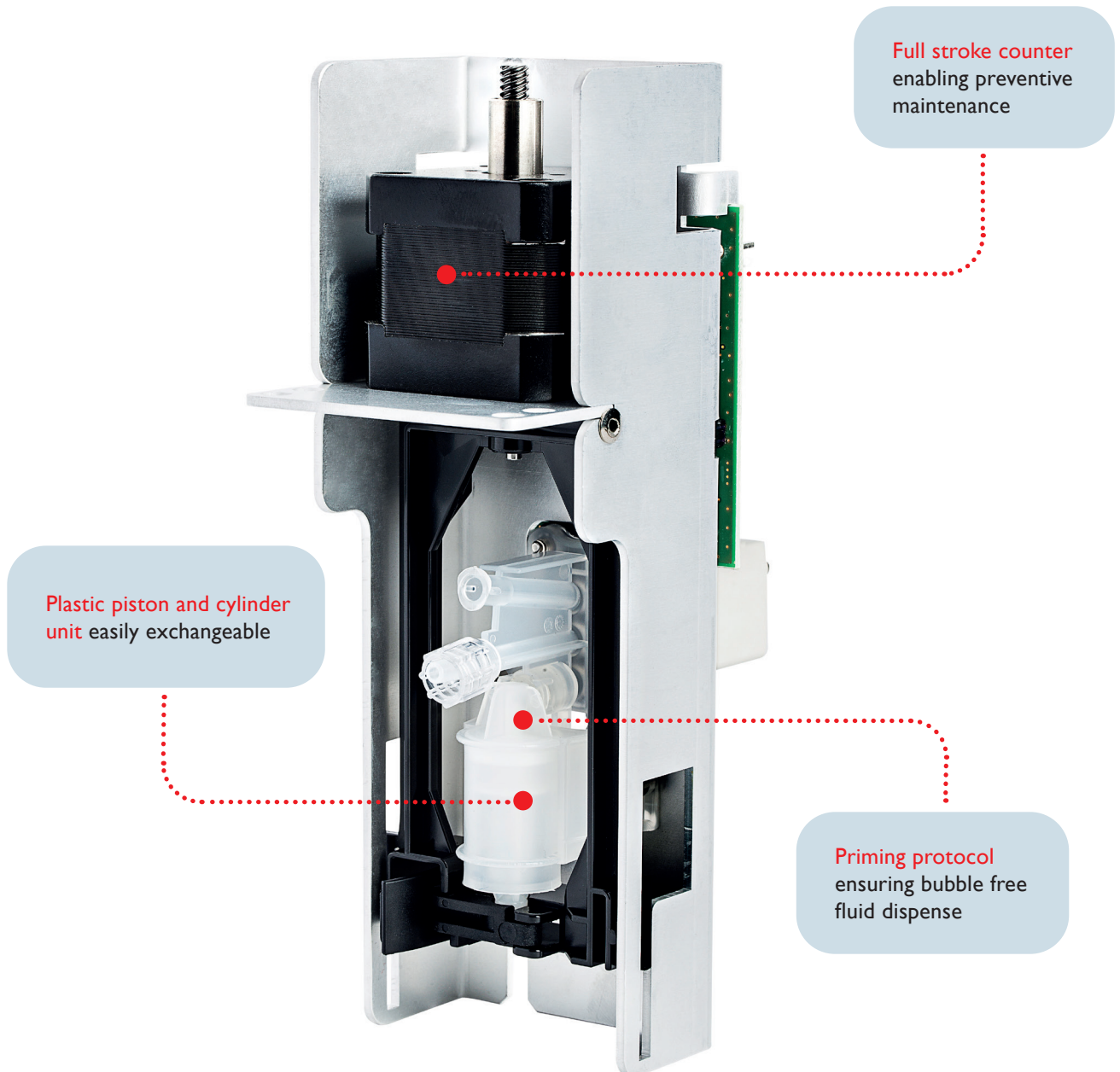


## PISTON PUMP

Highly cost optimized due to usage of plastic wearing components  
High precision and reliability  
Significant maintenance cost reduction



Several options for the volume delivery are possible, ranging from one single stroke to freely adjustable individual strokes (multiple dispense). Hence, the Piston Pump is a perfect choice for reliable wash buffer dispensing.

Wearing parts like the piston and cylinder unit are plastic components and easy accessible. This allows the components to be easily exchanged resulting in an overall cost reduction due to the application of more cost efficient materials.

## SPECIFICATIONS

<b>Drive</b>	Stepper motor with integrated home sensor		
<b>Nominal volume</b>	2500 µl		
<b>Delivery head</b>	1 mH <sub>2</sub> O		
<b>Suction head</b>	1 mH <sub>2</sub> O		
<b>Weight</b>	550 g		
<b>Dimensions [H W D]</b>	183 62 132 mm		
<b>Available flow rate</b>	Up to 1000 µl/sec		
<b>Dispense flow rate</b>	Up to 1500 µl/sec		
<b>Performance</b>	<b>Volume</b>	<b>Accuracy*</b>	<b>Precision CV*</b>
	200 – 500 µl	≤ 8.0 %	≤ 5.0 %
	500 – 2500 µl	≤ 5.0 %	≤ 3.0 %
<b>Liquid connection</b>	Luer Lock		
<b>Wetted components</b>	PP, PE, PPS, EPDM		
<b>Maintenance parts</b>	Piston and cylinder unit (lifetime up to one year)		
<b>Power requirements</b>	24 V <sub>DC</sub> ± 5 %, 600mA		
<b>Communication</b>	RS232, TCP/IP		

\*Pump performance depends on application conditions like tubing sizes, shore hardness, hydrostatic situation, injector size and is specified under optimized conditions

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