

Flexible and reproducible dosing for maximum yield

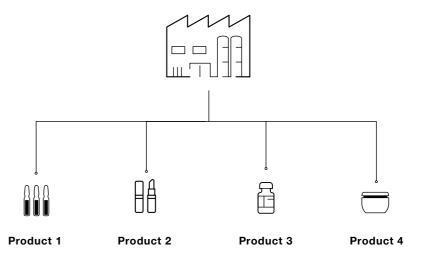


Dosing ——	We've	got it	under	contro
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/ Correct dosing is critical / Your selected dosing unit must move mountains to ensure that the tiniest volumes of liquid flow quickly, precisely and with repetitive accuracy in your filling machines. Are you looking for a partner to get this under control for you? Opt for a system solution that meets your requirements for a reliable filling process while boosting production output of your plant.

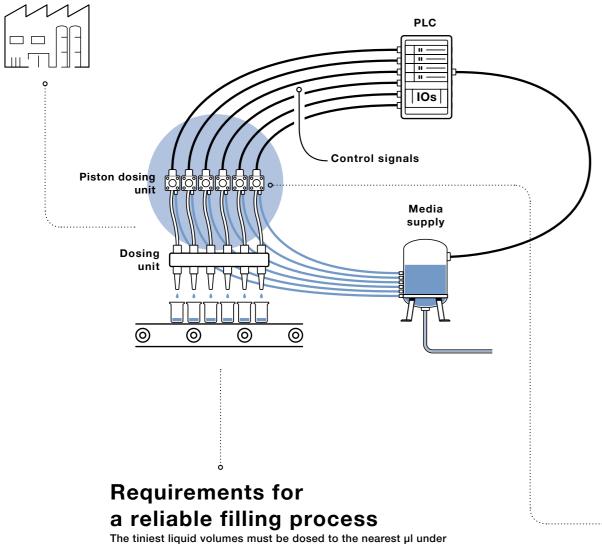
A plant engineering company

develops and manufactures filling machines that package a variety of products. Reliability, hygiene, precision and flexibility are top priorities when it comes to ensuring seamless filling.

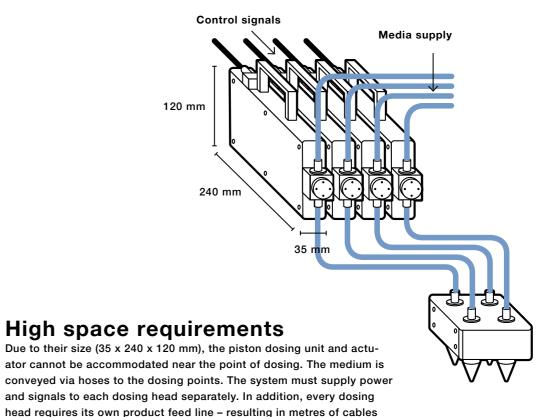


Do you want to maximise your plant efficiency? We are happy to support you in this task.

/ Cutting complexity / Every cubic metre in an industrial plant costs money. Conventional piston dosing units are large, expensive to purchase and take up a great deal of space in the plant because their size prevents them from being located at the dosing point. If the number of packages that must be filled simultaneously increases, this adds to the complexity.



The tiniest liquid volumes must be dosed to the nearest µl under hygienic conditions with a high degree of repetitive accuracy at intervals of one second around the clock. Other important factors are quick media changes and flexible dosing volumes. Automated cleaning operations reduce plant downtimes.



Downtimes

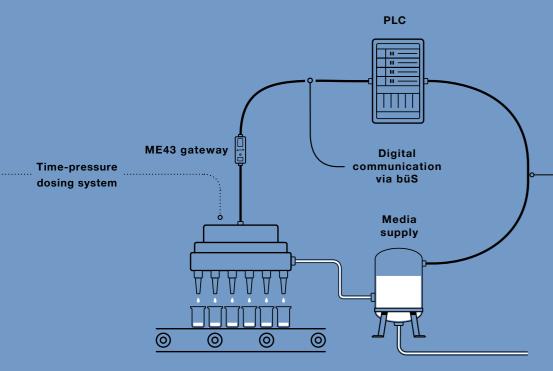
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and lines.

After each batch process, the plant must be cleaned. The dosing heads are removed, sterilised by a service provider, packed under sterile conditions and installed again. The result: Long downtimes and a high workload.

/ Compact and flexible / Fewer cables, more communication: With the Bürkert solution, you'll cut complexity and gain space. The dosing system is connected by the digital interface, the Bürkert system bus (büS), via the fieldbus

gateway to your controller. This allows you to vary the dosing volume in real time easily and flexibly.





Higher yield



Thanks to time-pressure dosing with the 2/2-way dosing valve Type 6712, we ensure reproducible and precise dosing with a flexible dosing volume - and therefore a higher yield.

Reduced installation space



The compact dosing head with quadruple dosing points takes up much less installation space than conventional solutions. A single data connection to the PLC is all that's required and even the number of hoses for media supply is reduced.

Increased process reliability



Integrated pressure sensors and a digital interface to the PLC optimise process control and monitoring. In the event of process faults, for instance, if particles block the dosing heads, the system indicates an error message.

Greater availability



Thanks to reduced downtimes, your plant availability is improved. Costly and laborious cleaning cycles are eliminated. If a product is changed, the dosing heads can be cleaned without removing them from the plant.

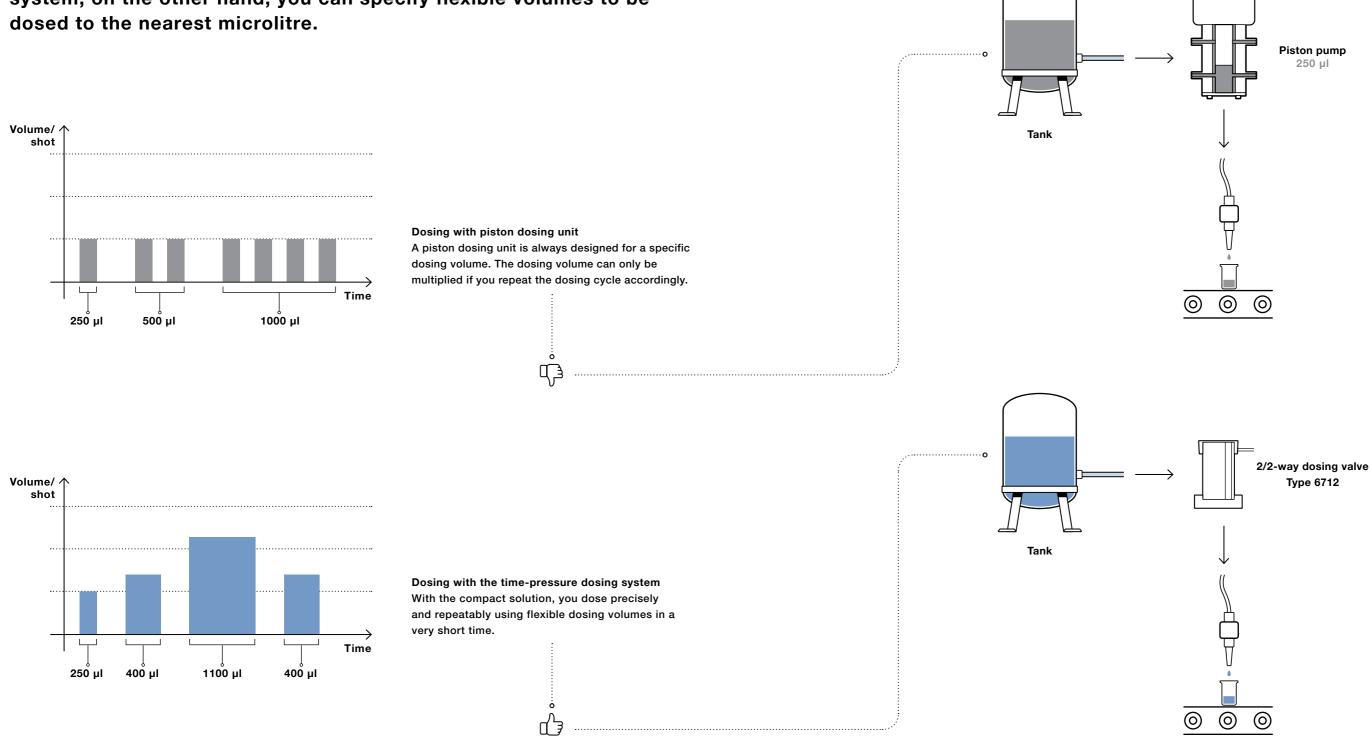
Reducing the number of interfaces



From the dosing head to the provision of dosing and cleaning media all the way to installation and training, you receive everything from a single source. This reduces the number of interfaces, saves time and avoids stress.

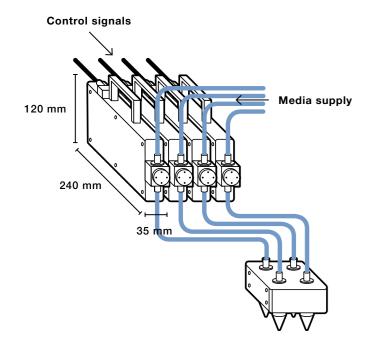


/ Flexible dosing, more filling / With a piston dosing unit, you are always tied to a predefined dosing volume. Each additional suction stroke costs time and causes wear. With the time-pressure dosing system, on the other hand, you can specify flexible volumes to be dosed to the nearest microlitre.



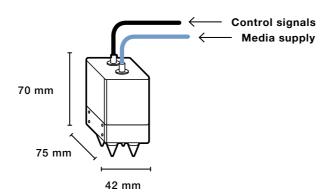
Dosing —— Increased plant availability

/ Quick replacement instead of costly downtime / Remove dosing heads for cleaning, send for sterilisation and then install again? You can leave this procedure behind once and for all. After a product change, the dosing heads by Bürkert can be cleaned and sterilised automatically in the machine. In this way, you can fill more product and boost your plant availability.



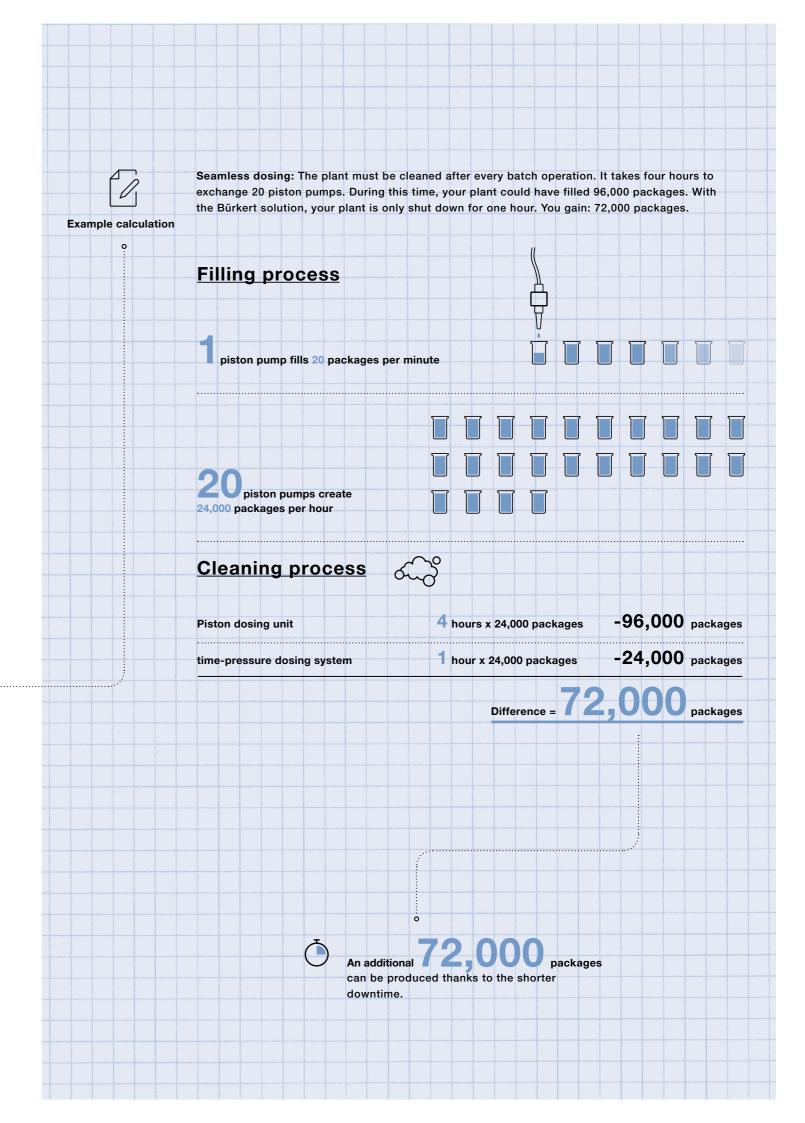
Conventional solution

The dosing heads are removed for cleaning. You need to hold a second set in reserve - at a further cost to you.



Bürkert solution

You no longer need to source individual components of your dosing unit from different suppliers. Instead, you can enjoy the benefits of seamless dosing with a compact, customised system solution and a single contact partner.





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