

## CVD – The state of the art in dosing technology



The cost-effective dosing solution



Standardized and yet flexible

Completely modular system

Very simple installation

An extensive range of accessories

High operational and process reliability

Convincingly short delivery times

# Cost-effective dosing systems in a compact design

## sera CVD – Standardized and yet flexible

The CVD dosing system (Compact Vertical Dosing) is a technically mature standard product offering a high degree of flexibility in its application. Its suitability for many so different dosing applications as well as its efficiency and short-term availability is impressive. The completely modular design allows you to customise – just like a building set – the functions of the system to your individual dosing requirements. And you can choose from a number of optional accessories such as the pulsation damper or the terminal boxes for the electrical power supply.

In addition, the optional safety upgrades such as the collecting basins, splash guards or leakage sensors do their part for the protection of the environment and the occupational health and safety in your company.

## The sera “plug and dose” principle

Once you have decided on a new dosing system, you want to integrate it quickly and smoothly into your process. For this reason, we make a point of reducing the time and effort to a minimum for the installation and commissioning when we develop our dosing systems. To ensure this, the CVD systems come with clearly defined interfaces for the connection to continuing pipes. The sophisticated design of the system allows the valves and components to be easily retrofitted or replaced without any costly modifications after the commissioning.

**C410.2**  
to 1.450 l/h

**C409.2**  
to 350 l/h

**C204.1**  
to 35 l/h

**CVD1**

**CVD2**

**R409.2**  
to 350 l/h

**R410.2**  
to 1.450 l/h

**R204.1**  
to 35 l/h

Standard product in tried and tested quality **sera** quality – „made in Germany“

Modular overall system completely made of standardized components

High degree of individual adaptability thanks to the modular design

Wide range of optional accessories

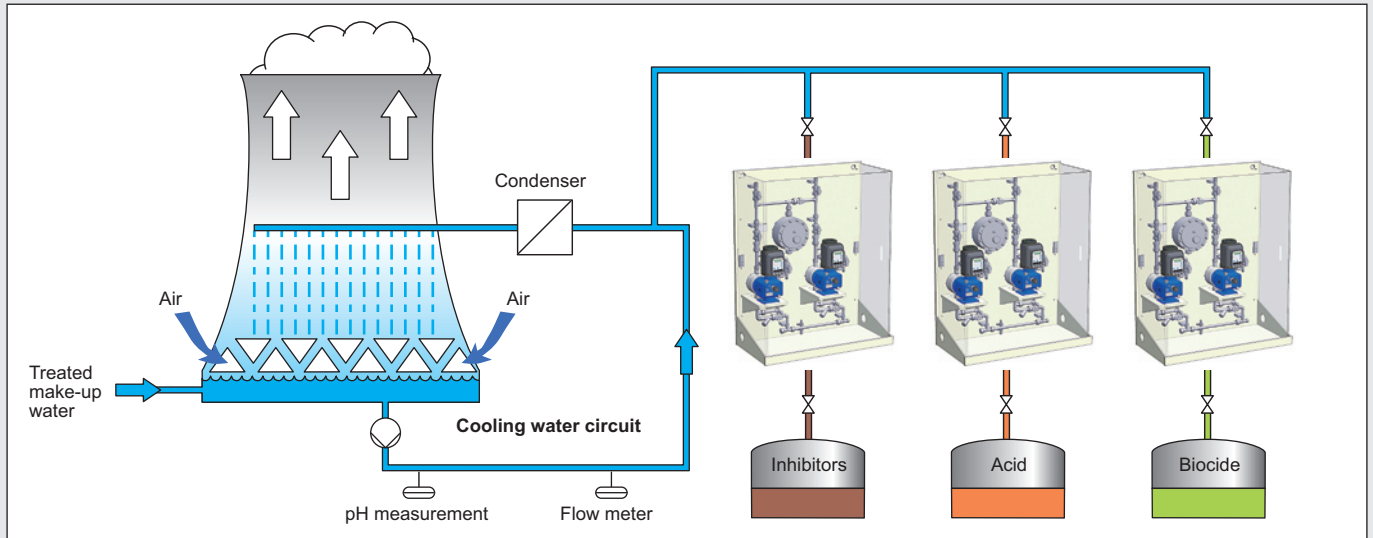
Very simple installation and commissioning thanks to **sera's „plug & dose“**

Extensive upgrades available for the environmental protection and occupational health and safety

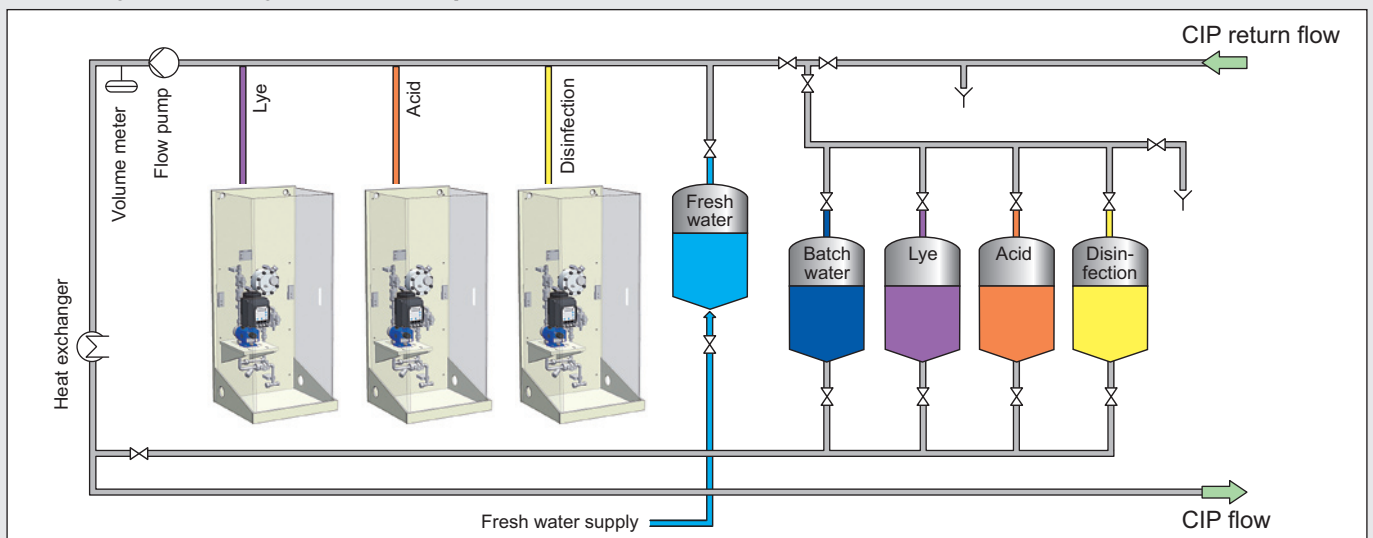
Compact and space-saving design

Short delivery times and a high degree of availability

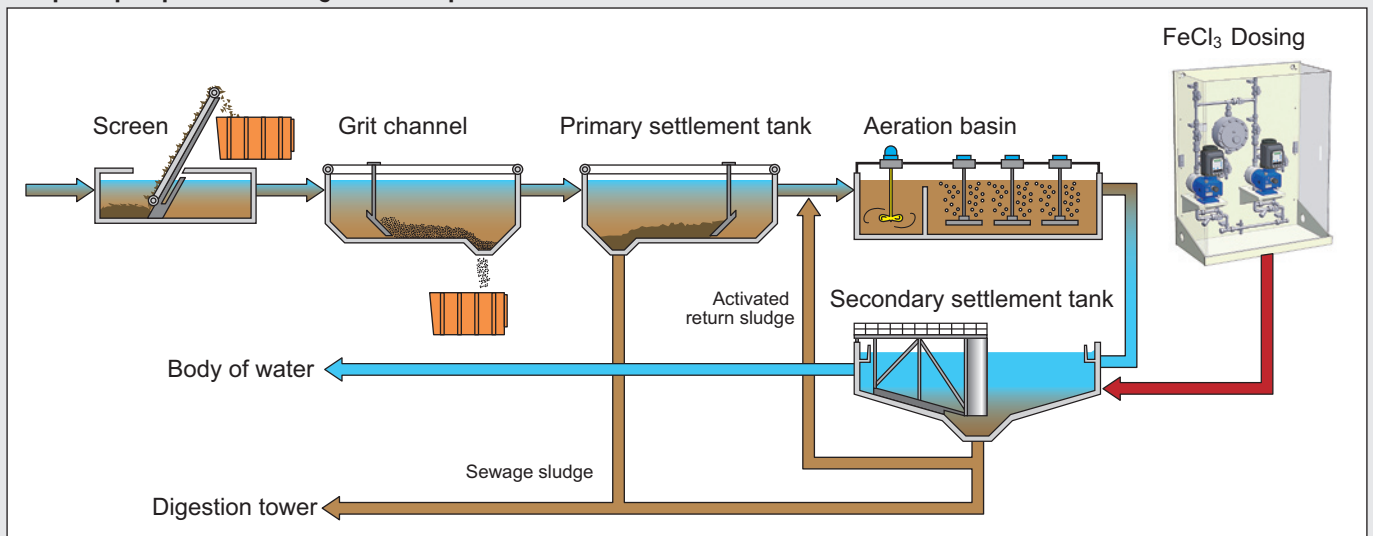
## Treatment of cooling water



## CIP cleaning in the beverage and food industry



## Phosphate precipitation in sewage treatment plant



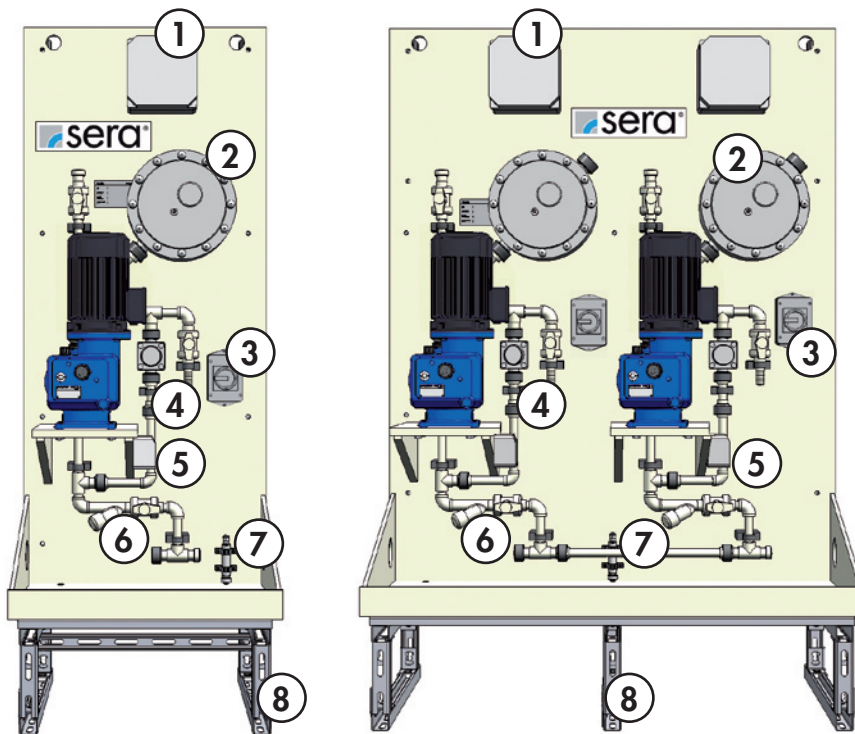
# Extensive accessories



## Optional accessories for sera CVD1 and CVD2

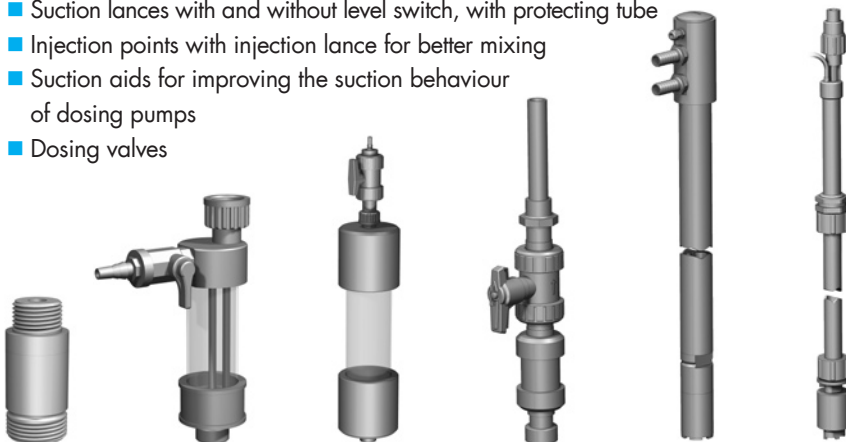
1. Connection box
2. Diaphragm pulsation damper
3. Main switch
4. Piping from overflow valve back into the suction pipe  
(Only in connection with piping on the suction side)
5. Socket
6. Piping suction side with ball cock and dirt trap
7. Leakage sensor
8. Frame for floor mounting of steel (galvanised) or glass fibre reinforced plastic
9. Splash guard (see picture)

Protective roof for drive motor (no picture)



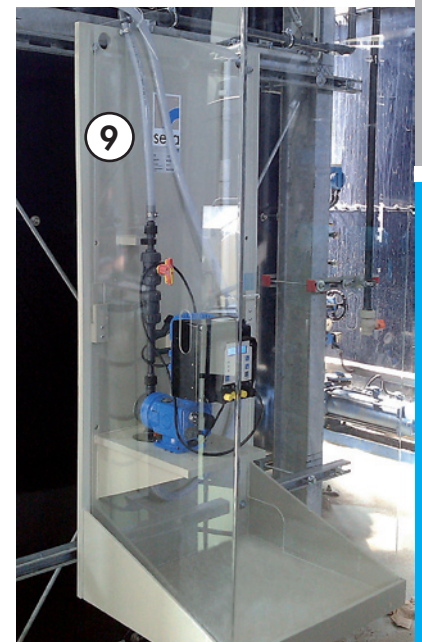
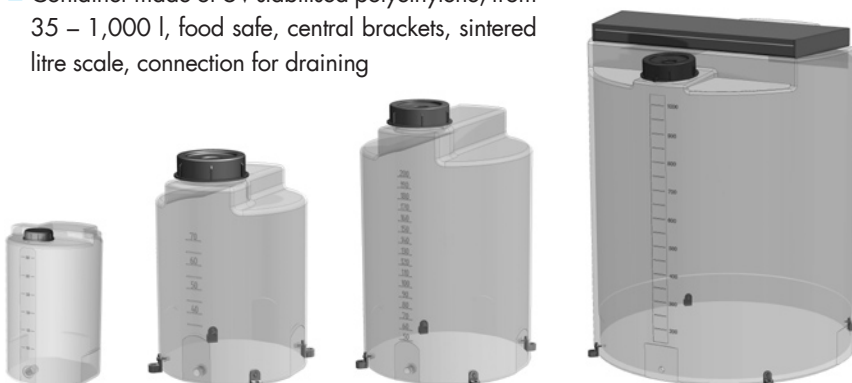
## Suctions aids, injection points, dosing valves, suction lances

- Suction lances with and without level switch, with protecting tube
- Injection points with injection lance for better mixing
- Suction aids for improving the suction behaviour of dosing pumps
- Dosing valves



## Containers / Tanks

- Container made of UV-stabilised polyethylene, from 35 – 1,000 l, food safe, central brackets, sintered litre scale, connection for draining



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