

Custom made Dosing Systems



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AquaCare is building custom made dosing units. Following components are used:

- dosing pumps (Grundfos, Iwaki, Prominent) in different design: performance, materials, controls
- delivery valves
- static mixers
- flow meters: electronically or with float
- measuring cylinders for calibrating the whole unit
- solenoid valves
- pressure relief valves for the feed
- controls: all possibilities unit PLC with visualizing
- board unit, cabinet unit, frame unit made of PE, PVC, steel, stainless steel

Hardness dosing units for too soft waters

For some applications the feed may be too soft or contains too less salts. For example: electrode steam units are working only with a minimum electrical conductivity. If the water has less salts the power is reduced and the water may foam. With a hardness dosing unit the electrical conductivity is raised and the risen total hardness prevents foaming. The water is supply from 0..10% of the maximum performance - even drop by drop.

The AquaCare dosing units for raising the conductivity consists of:

- dosing pump
- solenoid valve
- pressure tank
- chemical tank
- control with disturbance display
- compact frame with all components



Dosing tanks with pumps

For simple dosing tasks AquaCare offers a compact tank with mounted dosing pump. There are different sizes of the tank and different versions of pumps and materials.



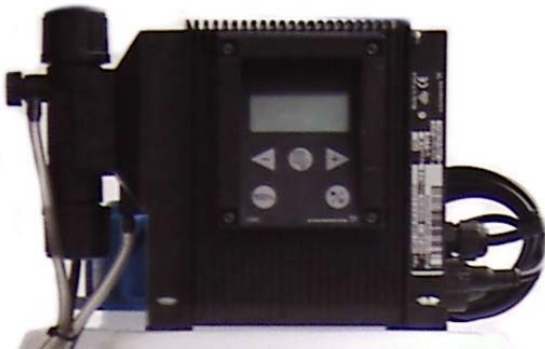
Static mixers / dosing lines

For best mixing of the metered chemical a static mixer is useful. Inside the mixer high turbulences are generated to mix the chemicals. AquaCare builds the static mixers in different materials (PVC or PP), in different diameters and with different connectors.



Dosing lines makes sense, if more than one chemical has to be dosed. AquaCare offer dosing lines in different materials, diameters and connectors.

Dosing pumps



Depending on purpose AquaCare offers dosing pumps of following manufactures:

- Grundfos
- Iwaki
- Prominent