COOLANT MANAGEMENT

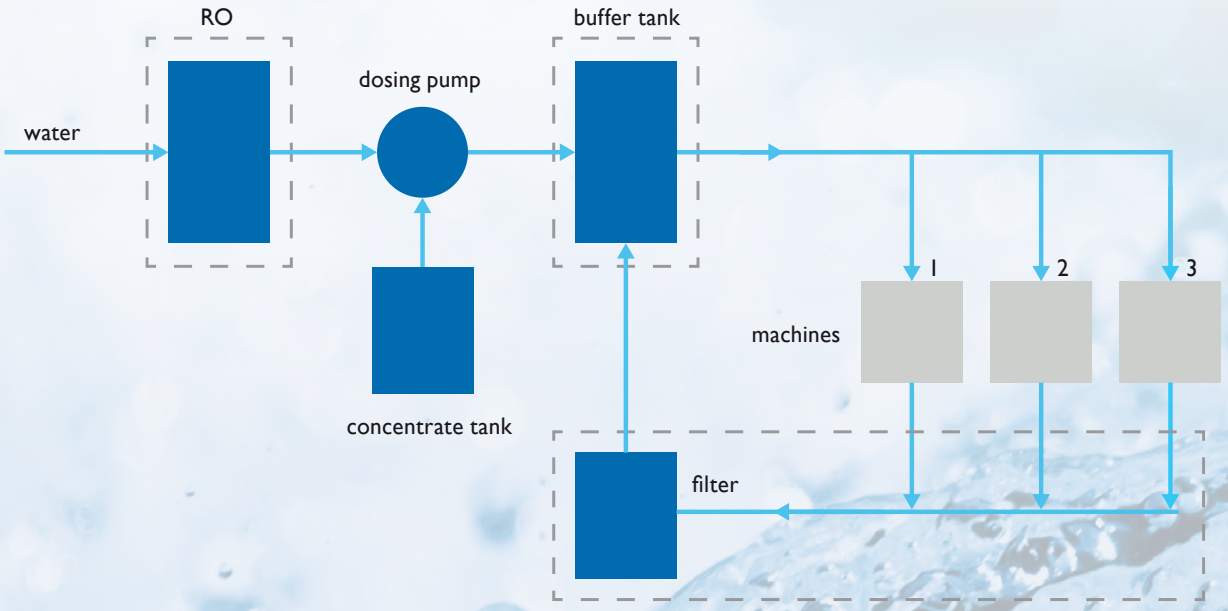
- **Always sufficient coolant with the right mix ratio**
- **Longer service life of coolants and equipment**
- **Lower maintenance costs**

COOLANT FILTRATION | AIR FILTRATION | **COOLANT MANAGEMENT** | CHIP MANAGEMENT | BAR FEEDING

MOOR FILTERTECHNIEK IMPROVING YOUR BUSINESS

COOLANT MANAGEMENT

An automatic filling system for coolant emulsion prevents machines from shutting down due to low level in the reservoir, and thus ensures continuity of production. An extra advantage of a more constant level in the reservoir is a stable temperature, which leads to better product uniformity, less bacteria growth and longer service life of the emulsion. In addition to these savings, less labour time is required.



AUTOMATIC FILLING SYSTEM FOR COOLANT

Moor Filtertechniek's basic automatic filling system consists of a PLC-operated control system, a Dosatron dosing pump and level sensors in the machine reservoirs and coolant tank. A PLC continuously monitors the level in the machine reservoirs and tops up the emulsion if necessary. An alarm will be activated if the level in the concentrate tank falls below a the specified minimum.

BUFFER TANK

The basic automatic filling system can be supplemented with a buffer tank for the coolant, so that the required quantity can always be added quickly and at the same temperature. Without this tank, water will be taken directly from the main supply, at a temperature that can vary considerably between seasons, resulting in inconsistent quality. Moor Filtertechniek has developed a compact automatic filling system with integrated buffer tank.

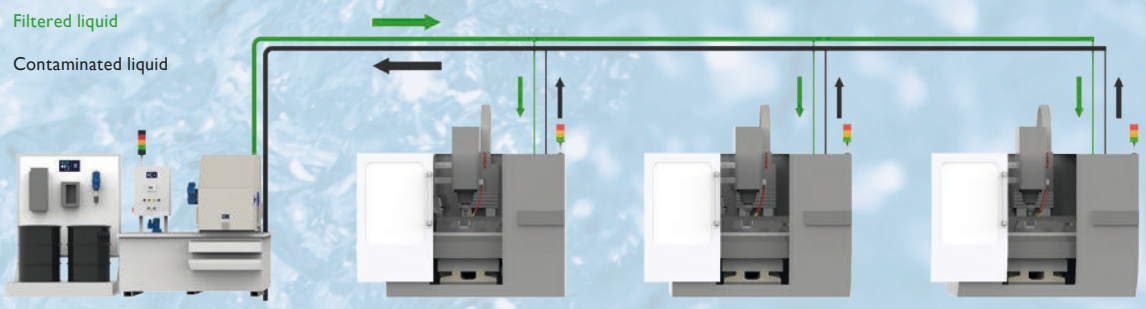
AQUARIUS REVERSE OSMOSIS

Reverse osmosis (RO) is the ideal way to remove salts and calcium from tap water. The electrical conductivity of tap water is around 500 µS/cm, while that of RO water is less than 50 µS/cm. RO water results in cleaner machines, tools and products and is advisable for coolants that are more sensitive to water quality. Using tap water is also often inadequate when surface cleanliness is important, because the minerals can lead to measurement inaccuracy. Moor Filtertechniek has developed the compact Aquarius RO, including a 290-litre buffer tank, so that RO water can be added quickly at any time, with a constant temperature and highest quality.

MOOR4C

The ultimate automatic filling system is the Moor4C, which also conditions the emulsion by filtering and recirculation. The Moor4C system conveys used emulsion back to a central station, where it's filtered and then re-used. Because the fluid is constantly in motion and there's always the same volume, the mix ratio and the temperature are very stable, which is positive for the production quality and restricts bacteria growth. The Moor4C ensures that the emulsion and your machines stay in top condition. We know from experience that the emulsion lasts for years and you make savings on labour time, maintenance and materials.

Moor4C is short for Compact Central Cleaning Concept. In the system, at each machine reservoir, emulsion is supplied at one side and removed at the other. A pump station for each reservoir keeps the supplied and removed fluid in balance. The return pipe runs to a compact belt filter, which takes out the solids, while a skimmer removes tramp oil from the fluid. Filtered fluid is ready for re-use and is pumped to a clean fluid buffer tank. The fluid volume will gradually fall as a result of escape losses and evaporation, but as soon as the level in the buffer tank reaches the specified minimum, it will be topped up. Using low-mineral RO water for topping up ensures that the emulsion's mineral content remains constant.



Moor Filtertechniek: the perfect partner for solutions in your production process. Our specialists will advise on your specific questions, without obligation. Our service technicians are also on call to help you 24/7.

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ISO and VCA** certified

MOOR FILTERTECHNIEK

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