

AQUACYCLER

Water recycling increases
your profitability



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Saves resources, reduces the costs

Advantages of the system:

- Reduction of the running costs for water and energy
- Improvement of the business results
- Saving of drinking water resources and fossil fuels
- Payback time is generally less than two years

Performance spectrum:

- Automatic fine filtration of the rinsing water
- Reduction of the freshwater consumption by up to 60%
- Reduction of the energy costs by up to 20%
- Fast and easy installation
- Minimal maintenance cost

Dimensions and weights:

- Dimensions of the Aquacycler
1700 x 750 x 1500 mm (l x w x h)
- Dimensions of the tank:
1400 x 1230 x 2000 mm (l x w x h)
- Weight of Aquacycler: approx. 175 kg
- Weight of tank (empty): approx. 150 kg



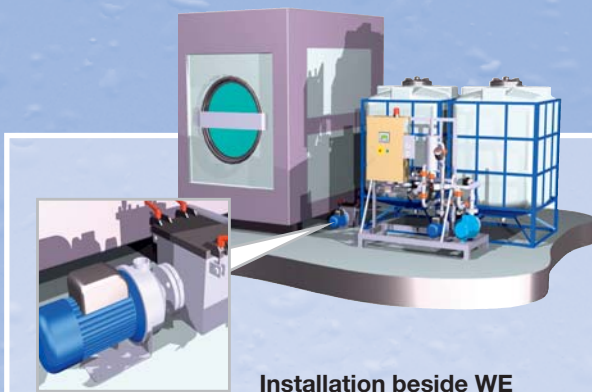
Water recovery for washer extractors and continuous batch washers

The Aquacycler is a fine filtration system for industrial laundries. It was developed especially to filter the rinsing water from washer extractors so that it could be reused in the process.

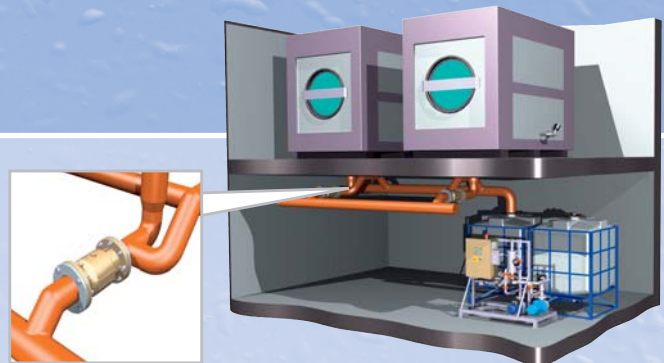
The rinsing water is stored in an intermediate tank and then cleaned by the filter of the Aquacycler. The cleaned filtrate is stored in a buffer tank and can be used again in the pre- and main wash of washer extractors or continuous batch washers. In this way the fresh water consumption can be reduced by up to 60%.

There are further savings in the field of energy costs, since the filtrate is produced at a temperature of between 25°C and 40°C and so significantly less energy is required to heat it than the cold fresh water.

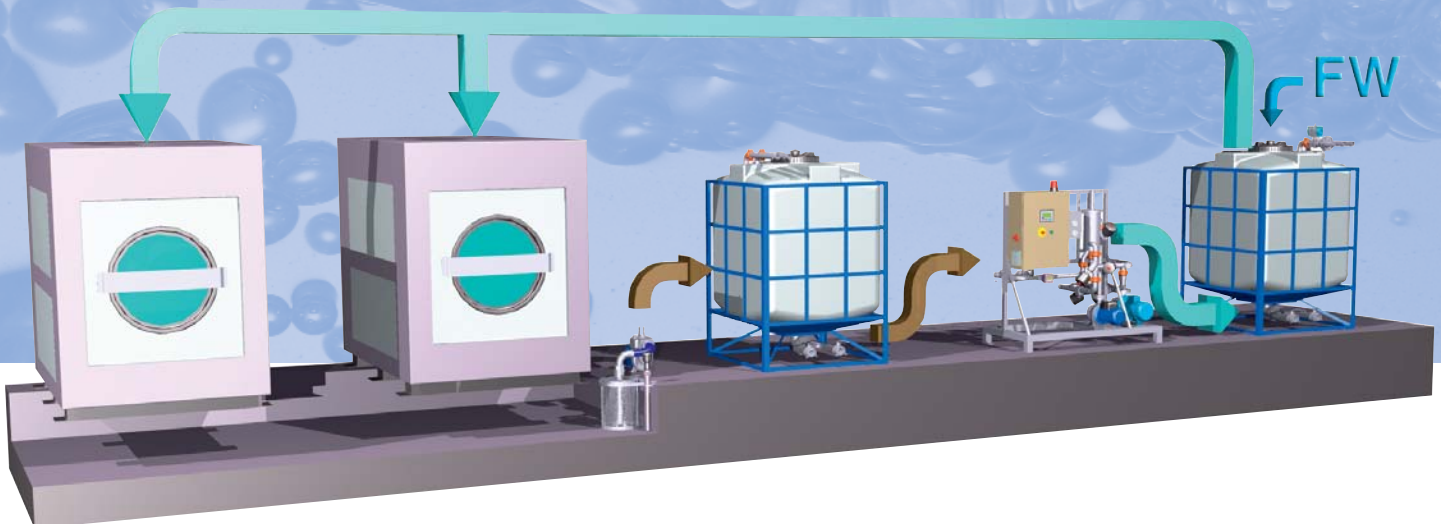
Proven system for recovering industrial water



Installation beside WE



Installation under WE



Aquacycler-EOP: Water recycling with existing heat exchanger

The Aquacycler-EOP was specially designed for laundries, which already use a heat exchanger to realise energy savings. With the help of the Aquacycler-EOP this energy saving can easily be maximized.

The water is filtered and cleaned by the Aquacycler-EOP after it has given up its heat in the heat exchanger. Afterwards it can be used in the wash process. The process connection and the installation are extremely simple, for the Aquacycler-EOP can be installed after almost any heat exchanger.



Automatic swivelling arm to prevent colour displacement

Professional systems for saving water and energy in laundries







Ecolab recognised at an early stage that in industrial laundries the costs for water and energy have a big effect on the profitability of the business.

During the last 5 years, in particular, it has become necessary to optimise the costs in this business. Over this period the costs for water and energy have suffered drastic increases. The costs of fossil fuels have continued to rise and this shows no sign of changing.

Systems for cost optimisation and effective resource management are thus important today as never before. For several years Ecolab has invested in the continuous development of system solutions to reduce the operating costs in industrial laundries.

Over the last few years a comprehensive product programme has been developed which helps to reduce the costs for water and energy, and thus improves the competitive position and saves important resources in our environment.

Overview: Ecolab water and energy recycling systems

System	Application	Machine type	Potential saving	Type of laundry
 EOP	Energy recovery	CBW's and washer extractors	Energy: 15% - 25%	Flat linen, table linen, work wear
 Aquamiser	Water recovery	CBW's and washer extractors	Water: 25% - 75% (Mats)	Mats, hotel- & hospital laundry, OP-textiles
 EOP & Aquamiser combined process	Energy- & water recovery	CBW's	Water: 50% Energy: 15% - 25%	Hotel- & hospital laundry
 HERO	Energy- & water recovery	CBW's	Water: max. 70% Energy: max. 15%	Hotel (lightly soiled) Restaurant (lightly soiled) Hospital (lightly soiled)
 Aquarotor	Reduction of the COD/BOD-values	CBW's	Reduction of the COD-value: max. 85% Reduction of the BOD-value: max. 95%	Medium to heavily soiled laundry
 Aquacycler/Aquacycler-EOP	Water recovery, Lint removal	Washer extractors and CBW's	Water: 25% - 60% Energy: max. 20%	Flat linen, table linen, Hotel- & hospital laundry

We offer complete service and systems to cover all of your institutional, industrial, and hospital cleaning and sanitation needs. Ask for more of our products and service in Europe and worldwide.
Ecolab – Your partner for Total Hygiene Solutions



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