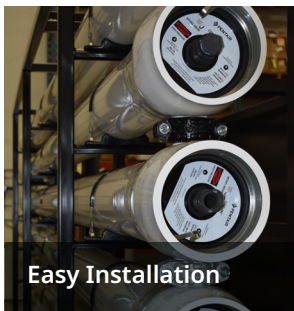
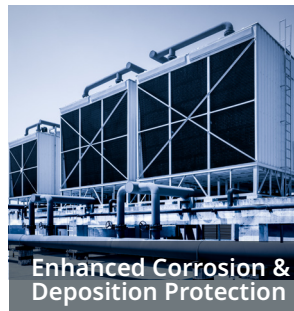
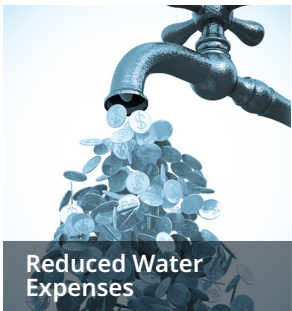


COOLING TOWER BLOWDOWN RECOVERY



Effective and efficient use of limited freshwater resources is a pressing global issue. In collaboration with our customers, Kurita has developed an integrated solution, the Cooling Tower Blowdown Recovery (CTBR) system. It conserves freshwater by increasing the reuse of cooling tower blowdown up to 80%, for use as make-up water. CTBR is a unique wastewater reclamation system that reduces operating costs, minimizes a facility's environmental footprint and converts waste to value.

KURITA AMERICA ADVANTAGE



COOLING TOWER BLOWDOWN RECOVERY TECHNOLOGY PROVIDES

- Reduced overall water consumption & total expenses
- Cost saving through no required capital investment
- Compliance with environmental regulations
- Improved facility operations
- Service contracts for water recovery and re-supply

TARGETED INDUSTRIES

- Agriculture
- Automotive
- Biofuels
- Commercial & Institutional
- Food & Beverage
- General Manufacturing
- Healthcare
- Microelectronics
- Municipal Drinking Water
- Oil & Gas
- Power
- Primary Metals

Reduced Water Expenses

With Kurita's CTBR, your facility can reduce fresh make-up water consumption and discharge water volume. CTBR technology recovers a higher rate of tower blowdown water, conditioning it and returning it to the cooling tower system. As a result, the operating costs of acquiring fresh water and discharging blowdown as wastewater are minimized.

Enhanced Corrosion & Deposition Protection

The CTBR system combines chemicals, equipment and service for a more efficient operation. Many competitive systems face continued fouling issues of filter media and membranes. This decreases the total recovery rate of the system and increases water usage. The CTBR solution effectively removes suspended solids in cooling water, resulting in reduced corrosion and deposition potential throughout the entire system. Compared to traditional blowdown recovery systems, the combination of Kurita's integrated technologies prevents future issues in both the cooling and recovery system. This is accomplished by inhibiting fouling, decreasing water use and maximizing the recovery rate of tower blowdown for a more reliable operation.

Ongoing Support With No Capital Investment

Often, facilities look to increase their cooling blowdown efficiency but do not have a sufficient capital budget for a new or improved system. To meet this need, Kurita CTBR is a complete, integrated system available through an operating lease or contract terms. This alternative solution includes equipment, standard service and chemicals as a set monthly Operating Expense (OPEX). Capital Expenditures (CAPEX) as well as internal maintenance expenses are reduced because Kurita America owns and maintains the system. The CTBR is monitored and managed by Kurita America service professionals, in-person and by remote wirelessly enabled communications. As a result, the resources of your internal personnel can be focused on other activities.

Easy Installation

The skid-mounted CTBR integrated solution is designed for quick and easy on-site installation. The compact design of a high-performance system allows for maximum flexibility in very tight spaces with lower installation costs.