



WATER TREATMENT AT POWER PLANT

Cooling Water Blow-Down Product Recommendations

Cooling tower blowdown is often too impaired to be reused without treatment and is typically sent directly to the facility’s wastewater treatment plant. This imposes a hydraulic load on the wastewater treatment system. More importantly, a tremendous amount of relatively clean water is wasted, adding significant cost and discharge compliance complexity. DuPont can work with you to deliver the optimal solution for your needs, using robust, reliable, fouling-resistant filtration and purification technologies to recover and return up to 90% of blowdown water for makeup water use.

TECHNOLOGY	PRODUCT	APPLICATION	FEATURES
ULTRAFILTRATION MODULE AND SKIDS	IntegraFlux™ SFP-2880XP Module	Suspended Solids Removal	High permeability and high mechanical strength hollow fiber Polyvinylidene fluoride (PVDF) membranes. The modules provide excellent performance, industry leading membrane area with low energy and chemical consumption. XP fiber provides up to 35% higher permeability than previous generation modules improving operating efficiencies and productivity.
	DuPont™ Ultrafiltration SFP-2880 Module		High mechanical strength hollow fiber PVDF membranes. The modules provide excellent performance with industry-leading membrane area.
	IntegraPac™ IP-77XP Skid		The skids are pre-engineered, standardized and ready to assemble. Comprising of IntegraPac™ modules (standard and XP fiber), auxiliary parts and piping the skids can significantly streamline design, assembly, and installation. Flexible sizing with 6-22 modules per skid.
	IntegraPac™ IP-77 Skid		
REVERSE OSMOSIS ELEMENTS	FilmTec™ Fortilife™ CR 100	Demineralization from Challenging Feedwater Source	State-of-the-art solution to tackle tough fouling coupled with excellent salt rejection.
	FilmTec™ Eco Pro-400		State-of-the-art solution to deliver high salt rejection at low operating pressure reducing CAPEX and OPEX.
	FilmTec™ BW30XFR-400/34		Established high fouling resistance and fouling removal efficiency coupled with very high rejection proven at broad TDS range.
	FilmTec™ BW30XFRLE-400/34		Improved fouling resistance as well as efficiency of element’s cleaning combined with low energy consumption and good water purity.
	FilmTec™ BW30-400/34		Consistent and reliable high operational performance coupled with increased productivity comparing to BW30-365.
	FilmTec™ BW30-365		Established industry reference product providing consistent, high performance and long element life with decades of proven performance.

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