

Istanbul Airport / Waste Water

Waste Water Reuse Plant

SEPTEMBER 2019

In 2018, İstanbul Airport, İstanbul-Turkey was established with the annual capacity of 90 million passengers. A total of 6.000 m³/day UF recycling facility was established to collect and refine the entire field's waste water, rain water and waste water.

Ultrafiltration modules have been established to produce cooling water for İstanbul airport facility.

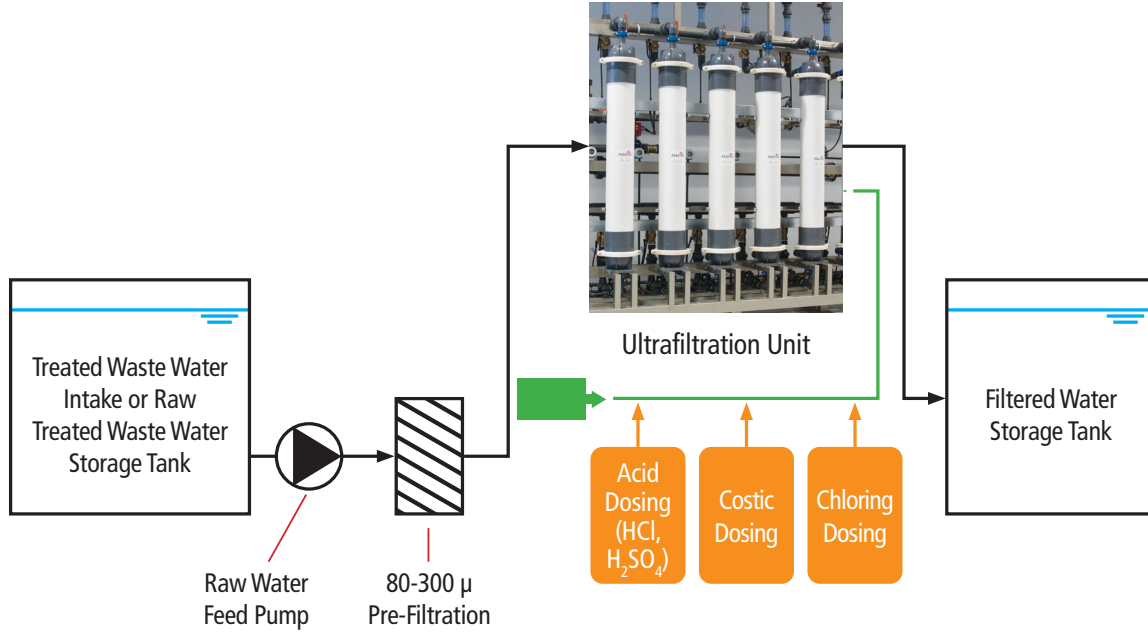
Akkim Kimya's Akualys UF module technology has been chosen within the high performance and advantageous features such as low chemical and energy consumption. Akkim Akualys ultrafiltration modules has begun to work on a first phase system with a 250 m³/h capacity.

Parameter	UNIT	UF Feed Water
Turbidity	NTU	<5
TSS	mg/L	<5
TOC	mg/L	<10



PERFORMANCE

Flux	43 l/m ² h
Capacity	250 m ³ /h
Backwash	Low chemical consumption; Caustic & Acid & Chlorine (advanced chemical backwash once a day)
CIP	Expected frequency once a year



Location	: İstanbul, TURKEY
System Integrator	: Arbiogaz Çevre Tek. İnş. San. Tic. A.Ş.
End User	: İstanbul Airport
Capacity	: 6.000 m ³ /day
Industry	: Transportation
Application	: Cooling Tower Water
Feed Water	: Treated Waste Water
Membrane Type	: Akualys AGM - Akkim
Total Units	: 84 Pieces Module