

Wastewater Treatment Plant of the Abwasserzweckverband Hagegarten in Gärtringen, Germany

Situation

Since 1989, AZV Hagegarten had a Noggerath® brand Aquaguard (AG) Continuous Belt Screen in the inlet area of the wastewater treatment plant. After the screen had reliably performed its service for more than 30 years in 2020, the question arose as to whether it should be refurbished or replaced in order to meet today's wastewater technology requirements. In close coordination with Mr. Berner (plant manager of AZV Hagegarten) and the Aqseptence Group, it was agreed to replace the screen of the same type in a modernized design, since this type of screen had been convincing for decades with its reliability and performance.



Solution

The installation of a Noggerath® Continuous Belt Screen BS-XL, featuring in its new design the machine technology of the Noggerath® Continuous Belt Screen Aquaguard AG, proven for decades.

Since successful commissioning in April 2021, the machine has been running to the customer's fullest satisfaction.

Technical Data

Noggerath® Continuous Belt Screen BS-XL

Type:	Nogco Guard XL 1000-2800-6
Max. Flow rate:	280 l/s
Screen mesh width:	6 mm
Channel depth H:	1,610 mm
Channel width W:	1,000 mm
Discharge height to channel bottom	
H1:	2,800 mm
Discharge height to channel top	
H2:	1,190 mm

Advantages

- Very high discharge capacities of the screenings
 - No bearings in the submerged area
 - Low maintenance, robust and durable machine technology
 - Complete hygienic encapsulation
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Existing plant / condition
before conversion



Photo gallery

Installation



Side view of the screen
(Flange of the screenings discharge)



Hygienic encapsulation



Occupied sieve belt



Closed front doors during operation



Aqseptence Group
Water Processing Solutions
Product Line: Water Treatment

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