



YUBO SCREEN

Your solution, our innovation



Water Treatment



YUBO FILTRATION

YUBO SCREEN

Filter Nozzle

A wedge wire nozzle is a specialized component used mainly in filtration systems for water treatment. Here's a simplified breakdown of its key functions:

- Preventing Media Loss:** It stops filter materials like sand and activated carbon from washing away while allowing water to flow through.
- Even Water Distribution:** Ensures water spreads uniformly across the filter, making the filtration process more effective.
- Backwash Efficiency:** Helps clean the filter efficiently by distributing backwash water evenly, which removes trapped particles and regenerates the filter bed.
- Durability:** Made from strong materials like stainless steel, it withstands harsh conditions and lasts long with little maintenance.
- Versatility:** Can be used in various filtration systems and customized to fit different setups.



Improved Filtration Performance:

Maximizes contact between water and filter media, capturing more contaminants and maintaining consistent water quality.

Distributor

Distributors are often equipped in Ion exchange units or multimedia filters. YUBO has extensive experience and expertise in designing these systems to meet your specific needs. There are two main types of configurations:

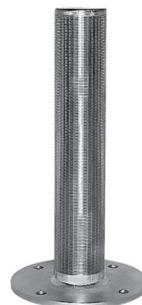
- **Horizontal Header with Lateral Connections:** This design features a horizontal header that connects laterally within the vessel.
- **Central Hub with Radial Connections:** In this setup, a central hub is installed vertically inside the vessel, with radial connections extending outward. This type is typically used in smaller vessels.



If required, we can also incorporate support structures or braces into the design to ensure stability and optimal performance.

Resin Trap

A resin trap, often referred to as a resin trap strainer or filter, is a device designed to capture and remove unwanted particles, debris, or contaminants from a fluid stream.



It consists of a cylindrical or conical housing that encases a perforated or mesh-like barrier, typically made of stainless steel or other corrosion-resistant materials. The resin trap is strategically placed within the fluid flow path to trap particulates and prevent them from entering downstream equipment.

Strainer Basket

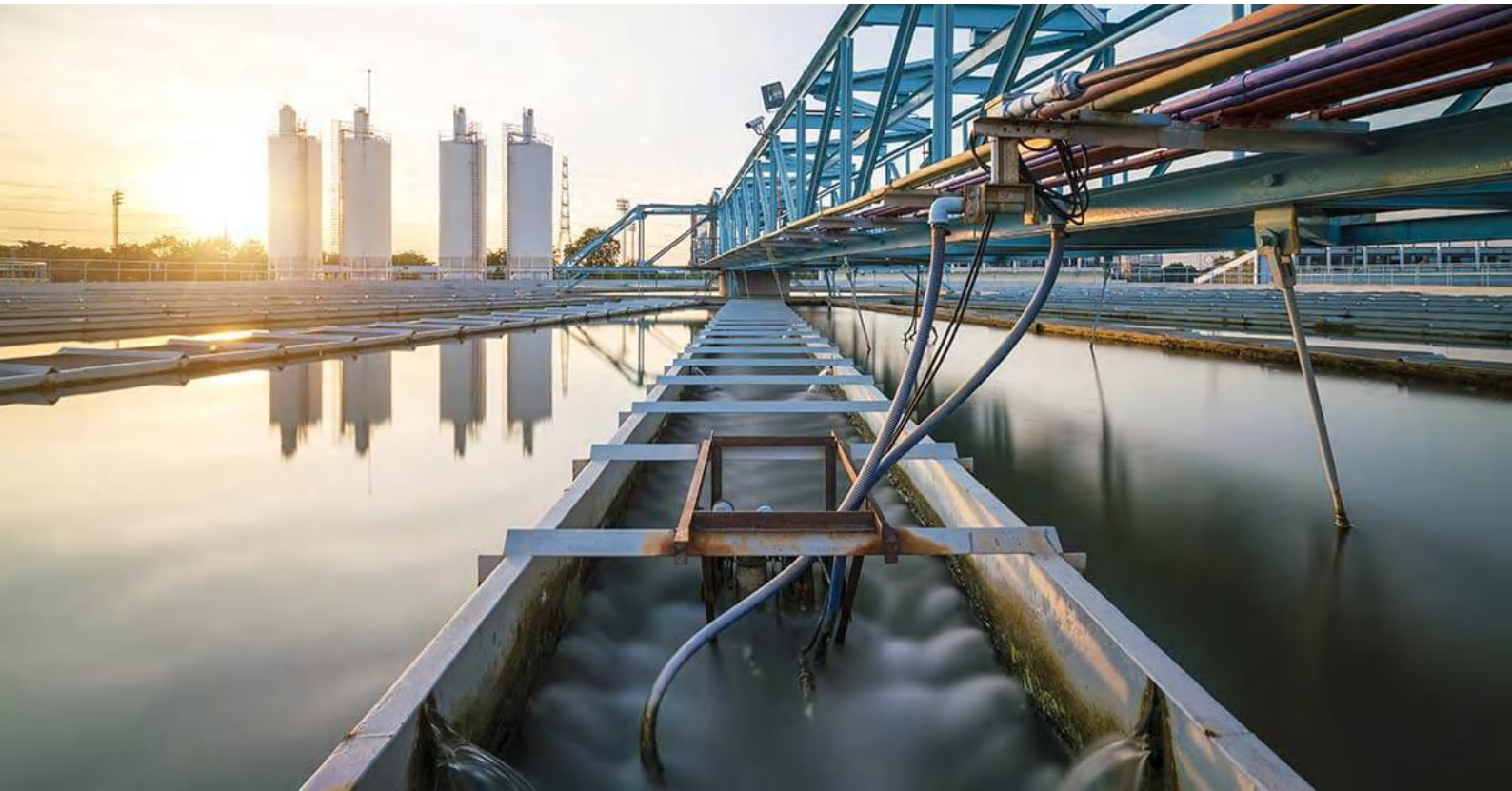
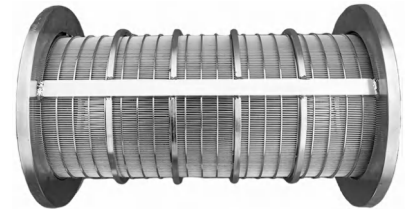
YUBO provides a diverse range of strainer baskets, crafted with specially selected Wedge Wire for each specific application. Stringent manufacturing standards ensure the production of a top-quality product designed for optimal performance.

Long-Lasting

The combination of high-quality materials, precise slots, and maximum open areas ensures an optimum design that minimizes wear, resulting in a longer service life.

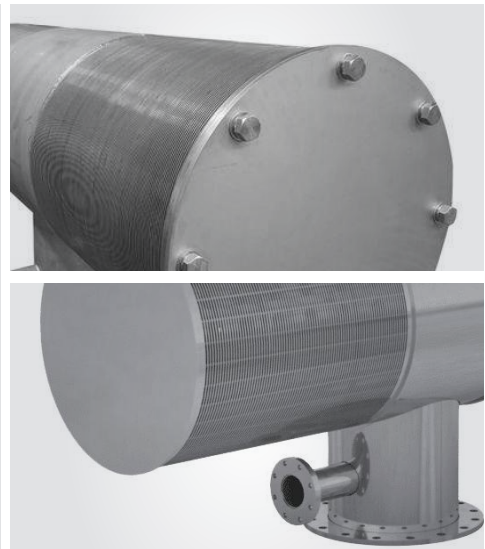
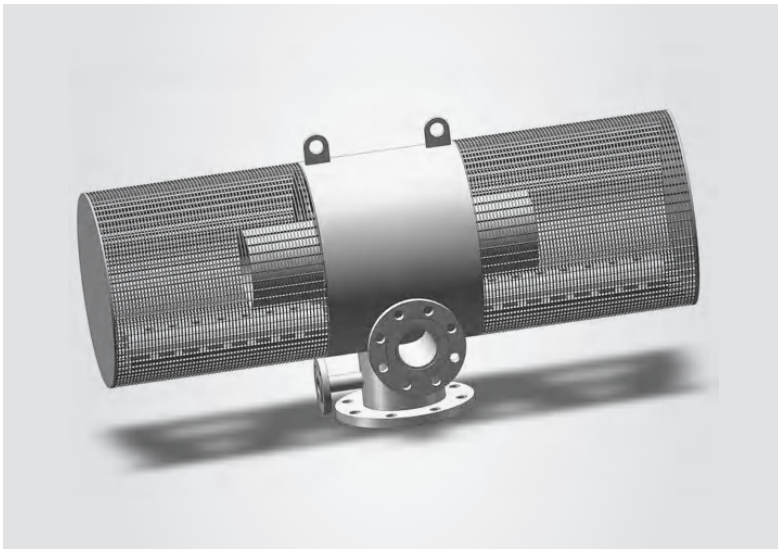
Versatile Applications

YUBO's strainer baskets are ideal for applications where perforated baskets do not offer sufficient open area and mesh-weave baskets are unsuitable due to required pressure differentials.



Cylindrical Intake Screen

Cylindrical Intake screens are generally used to filter raw water extracted from surface supplies to eventually be used as cooling water, process water and other applications. Screens are 316(b) compliant with even flow over the entire surface.



Cylindrical intake screens are fully submerged in the water. They retain larger particles and water life floating in the river and protect pumps and installations further up the production line. The controlled lower slot velocity along the screen surface also reduces the likelihood of impingement and entrainment of marine life.

This type of intake screen also has the ability to be cleaned using an air backwash system whereby a controlled burst of compressed air is deployed.

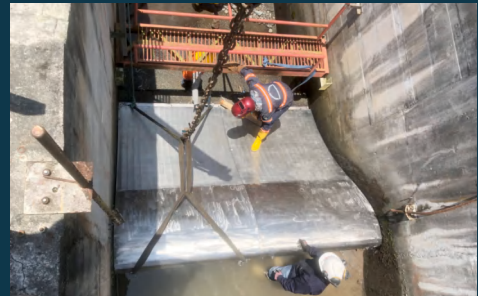


Coanda Screen

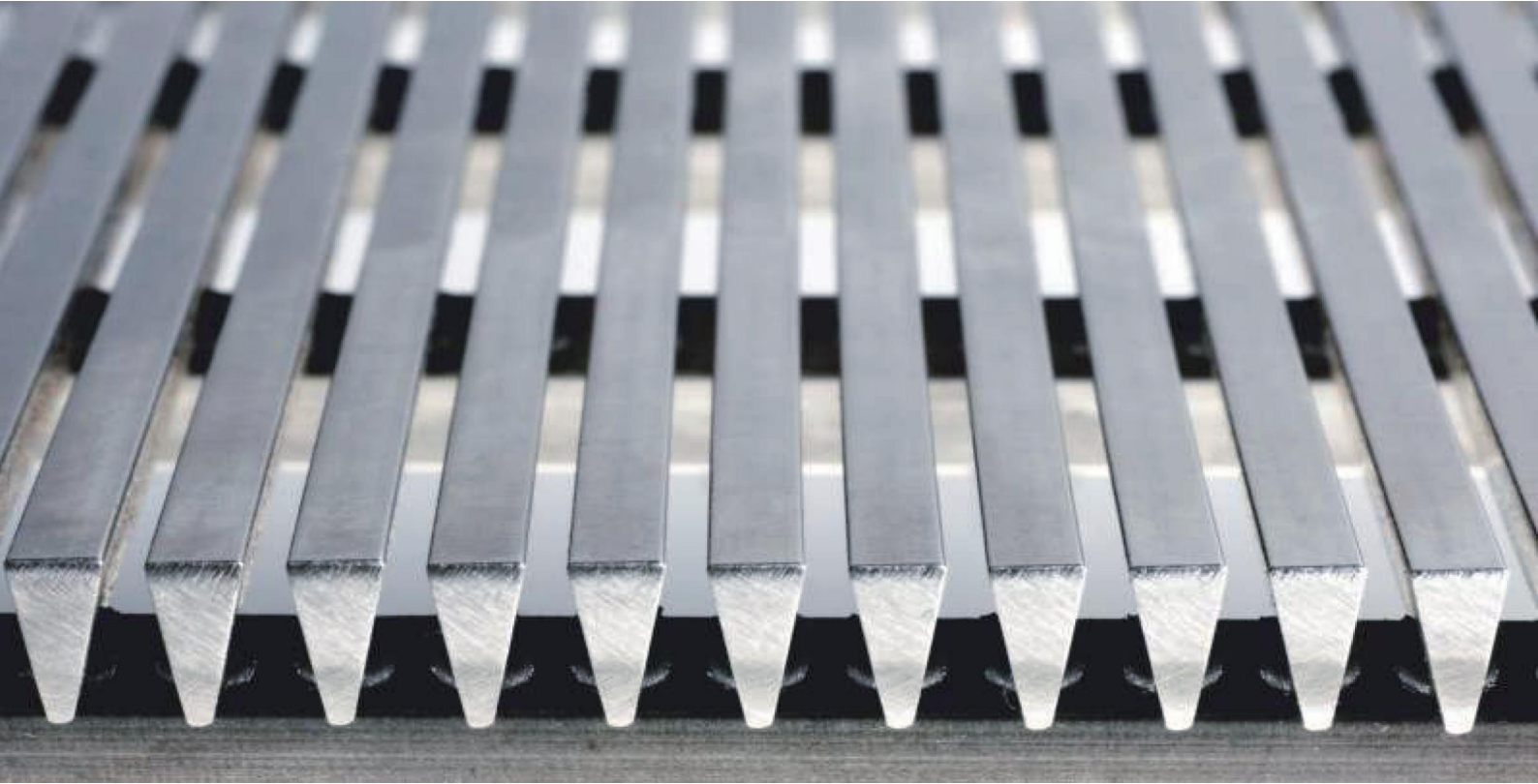
Coanda intake screens, also known as Coanda hydro screens, utilize a special geometric shape based on the Coanda effect phenomenon to achieve self-cleaning. This type of screen can efficiently separate liquids and solids with exceptional filtration performance. The hydro screen effectively blocks sediment, sticks, rocks, and dirt through its small-sized openings without the need for moving parts or power requirements.

Coanda screen is an advanced solution for delivering clean water across a diverse range of applications. Leveraging cutting-edge technology, the Coanda Hydro Screen offers the following key advantages:

- Power-free operation
- Optimized self-cleaning mechanism with superior capacity
- Extended service life at minimal operational costs
- Autonomous cleaning functionality



Wedge Wire Screen



YUBO provides a diverse range of wedge wire screens for particle separation, dewatering, classification, and various mineral processing applications. The strong construction of each screen is ensured by welding at every intersection of surface wire and internal support rods.

YUBO provides screens customized with fine wires and rods for precise screening or with larger wires and rods for heavy-duty operations. Welded wire screens utilize a V-shaped surface wire profile, creating inward-enlarging slots that minimize particle contact points, reducing the likelihood of pegging.

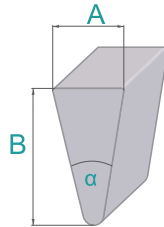
Technical Parameters

Working profiles

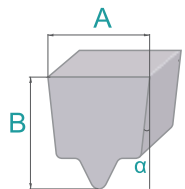
Type	A (mm)	B (mm)	α (°)	β (°)
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Type Sb

Sb 6	0,50	1,20	12	
Sb 8	0,60	1,20	22	
Sb 10	0,75	1,30	20	
Sb 12	1,00	2,00	20	
Sb 18	1,50	2,50	23	
Sb 22	1,80	3,70	23	
Sb 28	2,20	4,50	23	
Sb 34	2,80	5,00	23	
Sb 42	3,40	6,50	23	
Sb 60	4,00	9,00	20	
Sb 70	5,00	10,00	24	
SbA 50	5,00	6,00	40	



Sb 55*	5,00	5,50	6	
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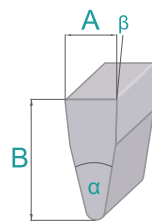


*Sb 55

Other dimensions available on a special request

Type Sbb

Sbb 34	2,20	5,00	23	4
Sbb 38	2,50	4,00	40	5
Sbb 42	2,80	6,50	23	4
Sbb 48	3,40	6,00	70	4
Sbb 50	3,50	8,00	23	4
Sbb 76	5,00	10,00	23	5
2,4 x 5	2,40	5,00	23	0
3 x 6,5	3,00	6,50	23	0



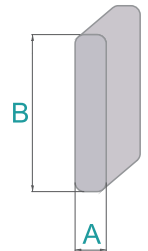
Special working wires separate highly abrasive materials. During their service the slot size does not increase considerably along with the abrasion of working surface. They are ideal for cylinder and conical sieves used in vibrating centrifuges. They increase the sieve's life span together with preventing clogging.

Support profiles

Type	A (mm)	B (mm)
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Type I

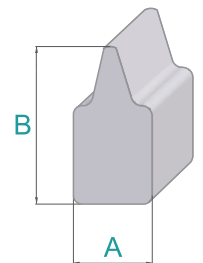
I 10 x 3	3,00	10,00
I 10 x 2	2,00	10,00
I 12 x 3	3,00	12,00
I 15 x 3	3,00	15,00
I 18 x 2	2,00	18,00
I 20 x 2	2,00	20,00
I 30 x 2	2,00	30,00
I 38 x 3	3,00	38,00



Other dimensions available on a special request

Type Q

Q 25	2,00	3,00
Q 35	3,00	5,00
Q 55	4,00	8,00

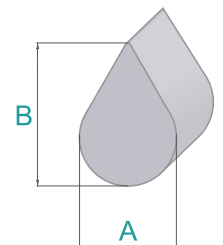


Other dimensions available on a special request

Type D

D 45	3,8	5,6
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Other dimensions available on a special request





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Water Treatment Screens

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