



BB STEEL INTERNATIONAL

“IWAKO” STRAINER FILTER CATALOGUE



“IWAKO” STRAINER FILTER

A Strainer Filter is used to remove and retain contaminants such as sediment, rust, and debris from fluid systems (liquid or gas). It protects critical equipment including pumps, valves, and machinery from damage. By maintaining clean flow, it improves system efficiency and reduces wear. The robust design ensures reliable performance under high pressure and temperature conditions. It also allows easy cleaning and maintenance, making it suitable for a wide range of industrial applications.

Strainer Filter Applications

- Water treatment Plants
- Oil & Gas and Petrochemical industries
- Steam and condensate systems
- Food & Beverage processing
- Continuous process systems
- Utilities Plant
- Chemical processing plants
- Power plants and utilities
- Cooling water systems
- Raw Water systems
- General industrial plant systems (Process Industry)
- Protection of equipment such as pumps, valves, heat exchangers
- Agriculture and irrigation

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Basket Strainer Standard Type

The Basket Strainer is designed to efficiently remove solid contaminants such as debris, rust, and particles from liquid or gas pipelines. Featuring a large filtration area, it ensures optimal flow performance while protecting downstream equipment from damage.

Key Features

- High filtration efficiency with large basket screen area
- Strong and durable construction for high pressure and temperature service
- Easy maintenance with removable basket design
- Minimizes clogging and reduces system downtime
- Available in Carbon Steel and Stainless Steel
- Customizable mesh size and dimensions to meet specific requirements



Basket Strainer Type Swing Eye Bolt

The Swing Eye Bolt Basket Strainer is engineered for quick and easy access during maintenance. Its hinged cover design allows fast opening and cleaning without the need for complete disassembly, making it ideal for systems requiring frequent servicing.

Key Features

- Quick-opening cover with swing eye bolt mechanism
- Reduced maintenance time and improved operational efficiency
- Large filtration area for high flow capacity
- Robust design suitable for high pressure and temperature conditions
- Easy cleaning without system complexity

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Basket Strainer Type Manual Brush

The Manual Brush Basket Strainer is equipped with an internal brushing system that allows cleaning of the screen without removing the cover. It is ideal for applications with continuous sediment accumulation.

Key Features

- Built-in manual brush cleaning mechanism
- No need to open cover during cleaning
- Reduced downtime and improved efficiency
- Strong construction for high pressure and temperature
- Easy maintenance and operation



Basket Strainer Type Automatic (Auto Self-Cleaning)

The Automatic Basket Strainer is a self-cleaning filtration system designed to remove contaminants without interrupting operation. It maintains consistent flow performance while reducing manual maintenance requirements.

Key Features

- Fully automatic self-cleaning system
- No shutdown required during cleaning
- Reduced maintenance cost and labor
- Maintains stable flow rate and pressure
- Ideal for heavy-duty and continuous processes



Basket Strainer Type Duplex

The Duplex Basket Strainer is equipped with dual baskets and a flow switching mechanism, allowing continuous operation during cleaning. One basket remains in service while the other is being maintained, eliminating system interruption.

Key Features

- Dual basket design for continuous operation
- No downtime during maintenance (No Flow Interruption)
- Large filtration capacity for high flow rates
- Heavy-duty construction for industrial applications
- Customizable size and mesh configuration

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Hydrocyclone Sand Separator

The Hydrocyclone Sand Separator is designed to separate sand and solid particles from fluids using centrifugal force. It operates without filter media, ensuring continuous performance with minimal maintenance. Ideal for applications with high sediment content.

Key Features

- No filter media required (centrifugal separation)
- Reduces clogging and maintenance requirements
- Handles high levels of sand and sediment
- Simple, durable construction with long service life
- Suitable for raw water and groundwater systems



Hydrocyclone Sand Separator “PVC”

The Hydrocyclone Sand Separator (PVC) utilizes centrifugal force to efficiently remove sand and solid particles from water without the need for filter elements. Constructed from lightweight and corrosion-resistant PVC, it is ideal for water and agricultural applications with high sediment levels.

Key Features

- No filter media required (centrifugal operation)
- Lightweight PVC construction with excellent corrosion resistance
- Easy installation and low maintenance cost
- Minimizes clogging and extends system life
- Ideal for raw water, groundwater, and irrigation systems



Screen Filter Element

The Stainless Steel Filter Element is designed to capture and retain contaminants in fluid systems. Manufactured from high-quality stainless steel, it offers excellent resistance to pressure, temperature, and corrosion. The element can be removed, cleaned, and reused, making it ideal for industrial applications requiring durability and precise filtration.

Key Features

- Made from high-grade stainless steel for superior strength and corrosion resistance
- Withstands high pressure, temperature, and chemical exposure
- Reusable and easy to clean, reducing operating costs
- Available in various mesh and micron ratings
- Long service life for cost-effective operation