



BB STEEL INTERNATIONAL



“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

“IWAKO” STRAINER FILTER CATALOG



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

“IWAKO” STRAINER FILTER CATALOG



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

“IWAKO” STRAINER FILTER CATALOG



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

“IWAKO” SIGHT GLASS LEVEL GAUGE

The Sight Glass Level Gauge provides direct visual indication of liquid levels in tanks and pipeline systems. It enables accurate and real-time monitoring, improving operational control and safety. Ideal for industrial applications requiring reliable and precise level measurement.

Sight Glass Level Gauge Applications

- Storage Tank / Process Tank
- Chemical / Petrochemical
- Boiler / Hot Water System
- Food & Beverage
- Water / Wastewater Treatment
- Process Industry

“IWAKO” SIGHT GLASS LEVEL GAUGE CATALOG



Disc Sight Glass (Round Sight Glass)

The Disc Sight Glass is designed for direct visual inspection inside tanks or vessels. Made from high-quality borosilicate glass, it offers excellent resistance to heat and chemicals, ensuring safe and clear observation of internal processes.

Key Features

- Borosilicate glass with high thermal and chemical resistance
- Clear visibility for safe process monitoring
- Strong construction for pressure applications
- Suitable for tank wall or cover installation
- Custom sizes available upon request



Circular Sight Glass (Sight Glass Flange)

The Circular Sight Glass is a flanged-type viewing window designed for installation on tanks and vessels. It provides secure sealing and reliable performance under industrial operating conditions.

Key Features

- Flanged design for secure and leak-tight installation
- High-strength borosilicate glass
- Suitable for pressure vessels and industrial tanks
- Provides clear and direct visual inspection
- Custom fabrication available

“IWAKO” SIGHT GLASS LEVEL GAUGE CATALOG

Tube Sight Glass Mat. Borosilicate

The Gauge Glass Tube is available in both clear type and red line type, manufactured from borosilicate glass for direct liquid level indication. The clear type allows direct observation of the actual liquid condition, while the red line type improves level visibility for easier reading. It is ideal for applications requiring accurate and safe level monitoring.

Key Features

- Clear type for direct observation of actual liquid condition
- Suitable for general service and liquid color/clarity inspection
- Red line type enhances liquid level visibility for easier reading
- Easy to read even in low-light areas or from a distance
- Made from borosilicate glass for heat and chemical resistance
- Easy installation for various tank and level gauge systems



Stainless Steel Gauge Cock with Tube Sight Glass

The Stainless Steel Gauge Cock with Tube Sight Glass is designed for direct visual liquid level indication in tanks. The glass tube is connected to stainless steel valves at the top and bottom, providing clear level monitoring together with safe shut-off control. Its durable construction makes it suitable for industrial applications requiring strength and corrosion resistance.

Key Features

- Stainless steel gauge cocks for high strength and corrosion resistance
- Clear and continuous direct visual indication
- Safe operation with shut-off control
- Easy installation and suitable for industrial tanks and systems
- Custom-made design available upon request

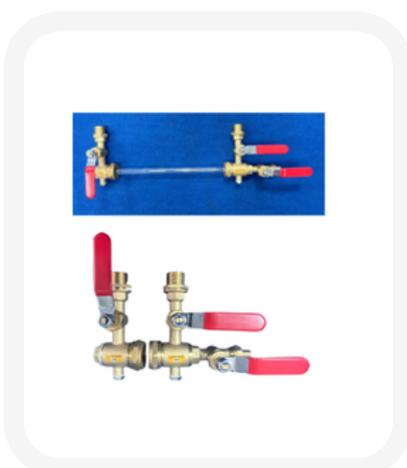


Brass Gauge Cock with Tube Sight Glass

The Brass Gauge Cock with Tube Sight Glass is a direct-reading liquid level indicator for tanks. It combines a glass tube with brass valves at the top and bottom, allowing operators to monitor liquid level visually while controlling shut-off safely and conveniently. It is a practical and economical solution for water systems and general industrial applications.

Key Features

- Cost-effective design
- Brass gauge cocks with good corrosion resistance for general water service
- Continuous direct visual level indication
- Allows opening and closing control for safer operation
- Simple construction, easy installation, and convenient maintenance
- Custom-made design available upon request



“IWAKO” SIGHT GLASS LEVEL GAUGE CATALOG



REFLEX / TRANSPARENT SIGHT GLASS

The Reflex / Transparent Sight Glass is designed for direct liquid level indication in tanks under high-pressure and high-temperature conditions. The reflex type provides clear level reading without the need for external lighting, while the transparent type allows observation of the actual liquid condition. It is widely used in boiler and process industries.

Key Features

- Reflex type provides clear level reading without auxiliary lighting
- Transparent type allows direct viewing of the liquid condition
- Suitable for boiler and process applications
- Resistant to high pressure and temperature
- Strong and safe construction for industrial service

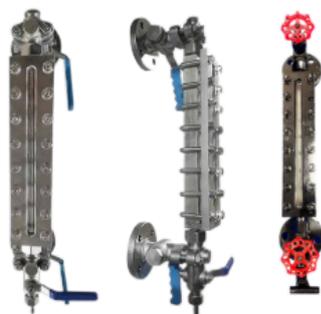


Weld Pad Sight Glass for Tanks

The Weld Pad Sight Glass is a tank-mounted liquid level indicator installed by welding directly onto the tank wall. This design provides strong structural integrity, tight sealing, and reduced risk of leakage. It is particularly suitable for high-pressure and high-temperature industrial applications.

Key Features

- Weld pad mounting for tight sealing and reduced leakage risk
- Strong construction for high pressure and high temperature service
- Clear and continuous direct visual indication
- Suitable for pressure tanks and industrial process systems
- Custom-made design available upon request



Weld Pad Reflex / Transparent Level Gauge with Gauge Cock

This Weld Pad Level Gauge with Gauge Cock is designed for direct liquid level indication in tanks. It is installed by welding directly to the tank and is equipped with top and bottom gauge cocks for shut-off control and improved safety. Available in both reflex and transparent types, it is suitable for industrial duties requiring strength, reliability, and secure operation.

Key Features

- Weld pad installation for strong and secure mounting
- Supplied with top and bottom gauge cocks for improved safety
- Available in Reflex and Transparent types to suit different applications
- Suitable for pressure tanks and industrial process service
- Custom-made design available upon request

“IWAKO” OIL LEVEL INDICATOR CATALOG



Brass Oil Level Indicator

The Brass Oil Level Indicator is used for direct visual monitoring of oil level in machinery and storage tanks. Made from high-quality brass, it offers good corrosion resistance and is well suited for lubrication and oil service in industrial applications.

Key Features

- Brass body with good corrosion resistance for oil and lubrication service
- Clear direct visual indication
- Compact construction and easy installation
- Suitable for gearboxes, tanks, and industrial machinery
- Available up to 2 meters in length
- Custom-made design available upon request



Stainless Steel Oil Level Indicator

The Stainless Steel Oil Level Indicator is designed for direct visual oil level monitoring in machinery or tanks. Manufactured from high-quality stainless steel, it provides excellent resistance to pressure, temperature, and corrosion. It is ideal for industrial applications requiring durability and reliability.

Key Features

- Stainless steel body for superior corrosion resistance and durability
- Clear direct visual indication
- Compact design and easy installation
- Suitable for high-temperature and high-pressure service
- Available up to 2 meters in length
- Custom-made design available upon request



Aluminium Oil Level Indicator

The Aluminium Oil Level Indicator is designed for direct visual inspection of oil level in machinery. Its lightweight aluminium body offers good corrosion resistance and easy installation, making it suitable for compact industrial lubrication systems.

Key Features

- Lightweight aluminium body
- Clear direct visual oil level indication
- Easy installation and cost-effective design
- Compact construction and easy maintenance
- Suitable for gearboxes, general machinery, lubrication systems, air compressors, and small oil tanks

“IWAKO” SIGHT FLOW INDICATOR CATALOG



Sight Flow Indicator

The Sight Flow Indicator is designed for direct visual monitoring of liquid flow in pipeline systems. It allows operators to observe flow condition, color, and abnormalities in real time, providing greater confidence in system operation. It is suitable for industrial processes requiring reliable flow verification.

Key Features

- Direct visual flow indication in real time
- Helps monitor flow condition, liquid color, and abnormalities
- Strong construction for pressure and temperature service
- Available in various designs to suit different applications.

Sight Flow Indicator Specification

- Size: 1/2" - 12" (depending on model)
- Connection: Threaded / Flanged (ANSI / DIN / JIS)
- Body Material: Carbon Steel / Stainless Steel / PVC / Brass
- Window Material: Tempered Glass / Borosilicate Glass
- Pressure: up to approx. 10-25 bar (depending on model)
- Temperature: up to approx. 150-300°C (depending on material).

Sight Flow Indicator Applications

- Water / Wastewater Systems
- Chemical / Petrochemical Industries
- Cooling Systems
- Food & Beverage Industry
- General Industrial Piping Systems.

Sight Flow Indicator Type

- Inline Sight Flow Indicator
- Flanged Type / Threaded Type
- Full View / Double Window Type
- With Rotor / Flapper Type

“IWAKO” Sight Flow Indicator Catalogue



“IWAKO” ANODE CATALOG



Magnesium Anode

Magnesium Anodes are used for cathodic protection as sacrificial anodes to prevent corrosion of metal structures such as tanks, pipelines, and buried or submerged systems. They provide effective protection in environments with high moisture or corrosive conditions, extending the service life of equipment.

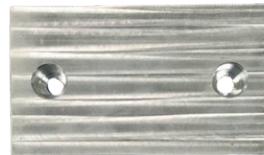
Key Features

- High driving potential, suitable for high-resistivity soil and water environments
- Provides effective cathodic protection for metal structures
- Easy installation with no external power required
- Extends service life of tanks and pipelines
- Reduces maintenance costs over time.

Magnesium Anode Applications

- Underground storage tanks (water / fuel tanks)
- Buried pipelines
- Buried or submerged structures
- Water heaters and hot water systems
- General industrial steel structures
- Concrete structures such as bridges and foundations

Magnesium Anode Catalogue



“IWAKO” FLAME ARRESTER CATALOG



Flame Arrester type In-Line

The In-Line Flame Arrester is designed to prevent flame propagation within pipeline systems. Installed directly in the line, it stops the spread of flame or explosion caused by flammable gases, ensuring system safety and protecting critical equipment.

Key Features

- Prevents flame propagation in pipeline systems
- Internal flame element effectively quenches flames
- Suitable for flammable gas applications
- Strong construction for high pressure and temperature conditions
- Designed for industrial safety systems.



Flame Arrester type End-of-Line

The End-of-Line Flame Arrester is installed at the end of pipelines or vent outlets to prevent external flames from entering the system. It is ideal for tank venting and vapor emission systems where flammable gases are present.

Key Features

- Protects against external flame entry (End-of-Line Protection)
- High-performance flame element for rapid flame quenching
- Designed for vent and tank breathing applications
- Durable construction for outdoor environments
- Enhances overall system safety.



Element Screen Flame Arrester

The Element Screen Flame Arrester is the core component of a flame arrester system. It consists of multi-layer metal screens that extinguish flames by reducing their temperature, preventing further flame propagation. It is suitable as a replacement or spare part for flame arresters.

Key Features

- Multi-layer screen design for efficient flame quenching
- Made from stainless steel for heat and corrosion resistance
- Replaceable element for easy maintenance
- Suitable for flammable gas systems in industrial applications.