

# Strainer Manufacturer in USA

SVR Global is the top [Strainer manufacturer in USA](#) supplying strainers to oil and gas industries, water industries and chemical industries in Texas, Wisconsin and Indiana. A strainer is used to filter out solid particles and debris from a fluid stream, protecting downstream equipment from damage and reducing maintenance costs. The strainer consists of a perforated or mesh screen, called the strainer element, mounted inside a housing.

When fluid flows through the strainer, the strainer element captures solid particles and debris, while allowing the fluid to pass through. Strainers are commonly used in a variety of industries, including chemical processing, oil and gas and water treatment.

## Parts

- 1.Body
2. Mesh
- 3.Inlet and Outlet
- 4.Bonnet
5. Actuator
- 6.Gaskets or Seals
- 7.Drain Port

## Types:

- Y-Type Strainers: These strainers are named for their Y-shaped body and are designed to remove small solid particles from fluid streams. They are commonly used in applications with low to medium flow rates and where the pressure drop across the strainer is not a critical factor.
- Basket Strainers: These strainers are designed with a basket-shaped chamber that holds a removable strainer element. Basket strainers are typically used in applications with higher flow rates and where the pressure drop across the strainer must be minimized.
- Duplex Strainers: These strainers consist of two basket strainers that are connected by a diverter valve. This allows the flow to be diverted to one basket while the other is being cleaned or replaced.
- T-Type Strainers: These strainers are similar to Y-type strainers but have a horizontal orientation, making them ideal for applications with limited headroom.
- Cone Strainers: These strainers have a conical shape and are used to filter out large particles from fluid streams.
- Plate Strainers: These strainers are designed with a series of plates that are stacked together to form a filter element. They are commonly used in high-flow applications.

## Industries

- Oil and Gas Industry
- Mining Industry

- Water Treatment Industry
- Chemical Industry
- Paper and Pulp Industry
- Manufacturing Industry
- Automobile Industry

#### Applications:

- Protection of downstream equipment from damage.
- Pre-filtration for other types of filtration systems.
- Removal of sediment and sand from water sources.
- Protection of valves and pumps from clogging.
- Removal of foreign matter from cooling water in heat exchangers.
- Filtration of process water in industrial manufacturing.
- Filtering of hydraulic fluids in heavy machinery.
- Removal of debris from natural gas pipelines.
- Filtration of seawater in marine industries.

#### Advantages:

- Improved product quality: Strainers can help to ensure that only clean and pure fluids are used in manufacturing processes, leading to improved product quality.
- Cost-effective: Strainers are a cost-effective solution for removing solid particles from fluid streams, as they are relatively inexpensive to install and maintain compared to other types of filtration systems.
- Versatile: Strainers can be used in a wide range of applications and industries, making them a versatile solution for filtering fluids.
- Easy to install: Strainers are easy to install and can be retrofitted to existing piping systems without requiring significant modifications.
- Low pressure drop: Strainers have a low pressure drop across the strainer element, meaning that they do not significantly impact the flow rate of the fluid stream.
- Easy to clean: Strainers are easy to clean, with some types of strainers featuring removable strainer elements that can be cleaned or replaced as needed.
- Prevents clogging: By removing solid particles and debris, strainers can help to prevent clogging and blockages in the fluid stream.
- Minimizes downtime: Regular maintenance of strainers can help to prevent equipment downtime due to clogging or damage caused by solid particles in the fluid stream.
- Environmentally friendly: Strainers can help to protect the environment by preventing the discharge of contaminated fluid into waterways or sewage systems.
- Reduces maintenance costs: By protecting downstream equipment from damage and preventing clogging, strainers can help to reduce maintenance costs associated with equipment repairs and replacements.

SVR Global is the [Strainer manufacturer in USA](#) and can very well sustain harsh conditions.

#### Description

- Available materials: Carbon Steel, CF8, CF8M, CF3M, Cast Iron, SS304, SS316

- Class: 125 to 300
- Nominal Pressure: PN6 to PN25
- Size: ½" to 32".
- Ends: Buttweld, Flanged, Socket weld, Threaded

Visit our website for more information-

<https://svrglobal.net/products/strainer/>