Y-Type Strainers

Y-Type Strainers are mechanical filtration devices designed to remove unwanted solids from liquids. They are most commonly installed in pipelines to safeguard pumps, valves, meters, and other downstream process equipment from clogging or damage.

These strainers operate by directing the fluid through a perforated or mesh-lined straining element, which traps suspended particles while allowing clean fluid to pass through. By preventing blockages and wear, Y-Type Strainers extend the service life of critical equipment, reduce downtime, and lower maintenance costs.

Available in a wide range of sizes and mesh configurations, Y-Type Strainers can be tailored to meet specific process requirements. They are manufactured with both threaded and flanged end connections, ensuring compatibility with diverse piping systems and easy installation.

Technical Specification:

Line Size	Upto 1200 NB
Pressure	Upto 60 Kg/CM²
Temperature	Upto 600°C
Filter Elements	Available in SS316, SS316L, SS304, SS304L
	Wide range of mesh sizes: 5 to 500 microns
Connection Options	Flanged (ASA / BS / DIN / JIS)
	Screwed Ends (BSP / NPT)
	Butt Weld Ends
Material of Wetted Parts	ASTM A351 CF8 / CF8M
	Stainless Steel (SS304 / SS304L / SS316 / SS316L)

Design Features –

- Compact & Versatile Design – Space-saving construction suitable for horizontal & vertical pipelines.
- Robust Construction – Available in SS304, SS316, and exotic alloys for demanding applications.
- Wide Filtration Range – Mesh sizes from 5 to 500 microns for fine to coarse filtration.
- Easy Maintenance – Quick removal of screen/element for cleaning & reinstallation.
- Multiple End Connections – Flanged (ASA/BS/DIN/JIS), Screwed BSP/NPT, or Butt-Weld options.
- High Flow Capacity – Engineered to ensure low pressure drop with large filtration area.
- Blow-off/Drain Connection (Optional) – For continuous removal of collected debris without disassembly.
- Compliance with Global Standards – Designed as per ASME standards for industrial service.

Product Applications -

- Effluent Treatment Plants (ETP)
- Sewage Treatment Plants (STP)
- Pulp & Paper Industry
- Chemical & Fertilizer Plants
- Food & Pharmaceutical Industry