



Y Strainer



Y-Strainers take their name from their configuration. Y-Strainers are devices for mechanically removing unwanted solids from liquids, gas or steam lines by means of a perforated or wire mesh straining element. Y-strainers are very cost effective straining solutions in many applications, where the amount of material to be removed from the flow is relatively small, resulting in long intervals between screen cleanings. The strainer screen is manually cleaned by shutting down the line and removing the strainer cap.

While often used in many different types of liquid applications, a Y-strainer is considered standard for steam applications and is almost universally used for these applications. Its compact, cylindrical shape is very strong and can handle high pressures. It is, literally a pressure vessel. Y-strainers which handle pressure upto 6000 psi are not uncommon.

Besides steam, Y-strainers are often used in air or natural gas applications. Here again, high pressures are not uncommon. However unlike steam, high air pressure does not automatically mean high temperature and so, ordinary carbon steel bodies of sufficient wall thickness will generally suffice.

Unlike other types of strainers, a Y-strainer has the advantage of being able to be installed in either a horizontal or vertical position. Obviously, in both cases, the screening element must be on the 'downside' of the strainer body so that the trapped material can be properly collected in it.

Some manufactures reduce the size of Y-strainer body to save material and cut cost. Before installing a Y-strainer, be sure it is large enough to properly handle the flow. A low priced strainer maybe an indication of an undersized unit.

Stainless steel Y-strainers are used where high corrosion resistance or where freedom from contamination is required. They are popular in the chemical, food and pharma industries.

Y-strainers are available with a wide variety of end connections including threaded, flanged and welded.

FEATURES & BENEFITS:

- Easy cleaning without interrupting the process.
- Various perforations, mesh or perforation mesh combinations are available to meet your process requirements.
- Can be installed either in a horizontal or vertical position.

PRODUCT SPECIFICATIONS

MOC	SS 304/ SS 316/ Carbon steel
MOC filter element	SS mesh with supported SS perforated plate
Operating Pressure Test Pressure	Upto 6000 psi 6 bar
Operating Temp	Upto 200 degrees C
Seal Material	Silicon/ EPDM
Bypass Valve	Optional

APPLICATIONS:

Y Strainers are used in pipelines to protect pumps, motors, control valves, steam traps, regulators and other process equipment. They are used in wide variety of liquid straining applications in many industries such as:

- Chemical processing
- Petroleum, oil & Petrochemical industries
- Power generation
- Marine
- Food & Pharma industries
- Water applications
- Steam applications
- Air or natural gas applications