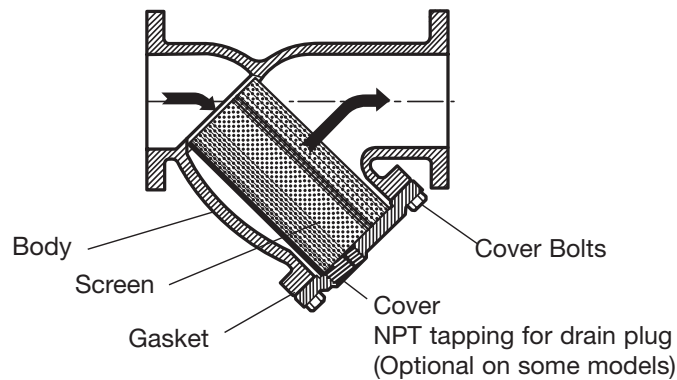
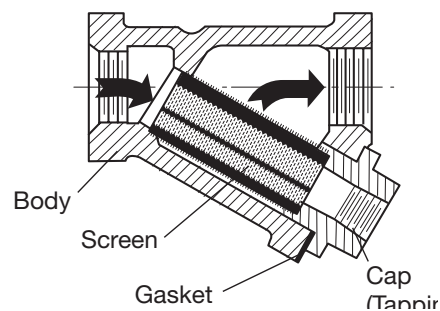


Installation & Operation Manual of Universal Y Strainer

Typical flanged end “Y” strainer



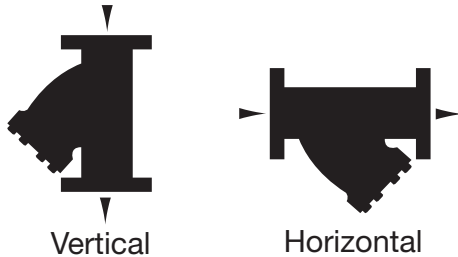
Typical threaded “Y” strainer



A) Installation

Before installing, always make sure that the pressure rating of the y strainer matches the system. It is important to make sure that the filter leg is pointing down to guarantee that the filtered materials do not interfere with the main flow. This way, the flow will not be obstructed. This applies to both horizontal and vertical installations. If you are installing a large y strainer, pipe supports are suggested for the piping around the inner and outer connections. This helps prevent any breakage in the future. Every y strainer is different, so be sure to read the installation manual thoroughly to ensure that the system is correctly installed.

Mounting Positions



The cover of the “Y” side should face down

B) Operation

Y strainers are made to operate in a variety of different industries. This type of strainer enhances industries, from cosmetic to petroleum to food. Their primary job is to remove debris from liquids and gases through their y shaped leg. This strainer connects into the main pipe, allowing it to filter through unwanted materials in the flow. The mesh straining element inside this leg catches the particles and debris until it can be cleaned out.

Sometimes, y strainers come with blow-off valves. This automated system makes for a much simpler clean up. With a blow-off valve, the need for manual labour decreases significantly.

C) Maintenance

If properly installed, y strainers require very little monitoring. However, it is important to keep track of the pressure to make sure that the equipment does not get too full. This would cause the screen to break and it would need to be replaced. If the screen fails, it could damage the entire system which would quickly become a very costly problem. The filter can be easily accessed which makes for a simple cleaning process overall. Remember to close off the valve connections on either side of the y strainer before starting to clean and relieve pressure. From there, empty out the unwanted material and debris. Finally, clean the mesh filter and replace.

Prolonging the lifespan of a y-strainer begins with understanding the equipment. The reliability and flexibility that define y strainers depend on the proper care and upkeep that this equipment requires.