

INNOVATIVE SOLUTIONS DRIVEN TO PROVIDE VALUE



## MERIT'S COMPREHENSIVE PACKAGE

- Size Range: 3/8" - 3" with NPT Threaded Ends
- The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seals securing a stainless steel (SUS316) screen

## STAINLESS STEEL WYE STRAINER (Y-STRAINER)

### Class 600 Stainless Steel WYE Strainer (Y-Strainer) "V" Series

The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seals securing a stainless steel (SUS316) screen. Y-strainers (WYE Strainer) provide many benefits for piping systems, the y-shaped design makes it a compact, efficient valve that filters out unwanted materials; and ultimately, protects equipment while maintaining the integrity of the piping system.



Learn more. [www.meritbrass.com/valves](http://www.meritbrass.com/valves)

## WYE STRAINERS (Y-STRAINERS) KEY BENEFITS



### Debris Removal

- Prevents damage to pumps, valves and other piping components.
- Traps rust, dirt, and other particles from fluids (liquid, gas, or steam).



### Versatile Installation

- Adaptable to tight or complex piping system layouts.
- Installation can be horizontal or vertical.
- Ideal for residential plumbing or tight industrial setups.



### Cost-Effective

- Their simple design keeps maintenance costs down compared to other options such as basket strainers.



### Easy Maintenance

- Allow for quick cleaning which saves time and effort.



### High Pressure Tolerance

- Capable of handling higher pressure ranges.



### System Protection

- Extends the lifespan of down stream equipment through filtration of contaminants.
- Reduces the risk of costly downtime.



### Industry Versatility

- HVAC systems.
- Water Treatment plants.
- Oil and gas piping systems.
- Anywhere the cleanliness of fluid is important/critical.



# INDUSTRIAL & COMMERCIAL PIPING SYSTEM APPLICATIONS



## Steam Systems

WYE Strainers (Y-strainers) are ideal for steam lines, where they filter out rust, scale, and debris before it reaches steam traps, control valves, or turbines.



## HVAC Systems

In heating and cooling systems, they prevent clogging in pumps, chillers, and heat exchangers by removing sediment from water or glycol mixtures.



## Chemical Processing

Used to protect sensitive instruments and valves from contaminants in corrosive or reactive fluids. Materials like stainless steel or PTFE are often chosen for compatibility.



## Oil & Gas Pipelines

They filter out sand, gravel, and other particulates from crude oil or natural gas, reducing wear on compressors and flow meters.



## Water Treatment Plants

Y-strainers (WYE Strainers) remove solids from incoming water before it enters filtration membranes or UV disinfection units.



## Food & Beverage Industry

In beverage production or dairy processing, they help maintain hygiene by filtering out particles from liquid ingredients without disrupting flow.



## Pharmaceutical Manufacturing

Used in clean-in-place (CIP) systems to ensure sterile fluid flow and protect precision dosing equipment.



## AUTOMOTIVE & AEROSPACE APPLICATIONS



### Fuel Systems

WYE Strainers (Y-strainers) are used to clean fuel before it reaches injectors or combustion chambers, preventing clogs and improving efficiency.



### Hydraulic Systems

In aircraft and heavy machinery, they filter hydraulic fluid to protect actuators and control valves from contamination.

800.726.9800

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