



# Y Strainers - Clear PVC

1/2" to 2"



## Features

- Clear PVC construction
- Rated to 150 PSI
- FPM Seals
- Standard 1/32" Perf Screen
- All-Plastic Construction
- Easy Screen Access
- Can be Used in Horizontal or Vertical Position

## Options

- Stainless Steel Strainer Screens

## Clear PVC Construction

See how much dirt and debris have been trapped by the strainer screen in the Hayward Clear PVC Y Strainer. The translucent PVC body shows the strainer screen in operation. This helps determine when it needs cleaning based on a visual check of the amount of debris retained by the screen. These Y strainers are available in pipeline sizes up to 2" with socket or threaded connections, and are rated at a full 150 PSI.

## Economical Protection

Hayward Y Strainers protect piping system components from damage caused by dirt or debris in the process media. They cost less than other types of strainers and are lightweight and very compact. Because they can often be supported by the pipeline alone, they work in applications where other strainers cannot.

## Screens for All Applications

Hayward Y Strainers are supplied with a 1/32" perforated plastic screen. This screen is ultrasonically welded, not glued, for superior strength. Screens fabricated from type 316 stainless steel are also available in openings from 1/2" down to super fine 325 mesh. All screens have an open area at least twice that of the equivalent pipe size cross-sectional area to minimize pressure drop.

## Easy Clean Out

All sizes of Hayward Y Strainers feature a heavy-duty hex cap that permits quick and easy removal of the strainer screen when cleanout becomes necessary.

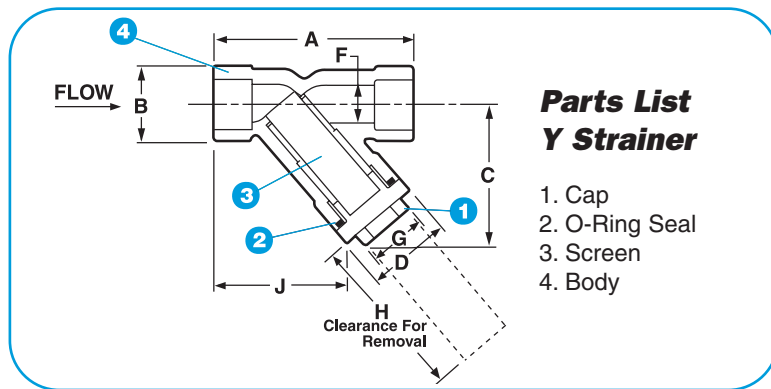
## Adaptable Design

Hayward Y Strainers will work equally well in the horizontal or vertical position, simplifying piping system layout.

## All Plastic Construction

Hayward Plastic Y Strainers will never rust or corrode – and they will not contaminate sensitive process media.

# Technical Information



## Dimensions - Inches / Millimeters

Size	A	B	C	D	F	G	H	J	Weight (lb / kg) Skt / Thd
1/2"	3.38 / 86	1.38 / 35	2.25 / 57	1.50 / 38	0.56 / 14	1.00 / 25	2.13 / 54	2.50 / 64	0.25 / .11
3/4"	4.18 / 106	1.69 / 43	2.88 / 73	2.00 / 51	0.81 / 21	1.25 / 32	2.75 / 70	3.00 / 76	0.63 / .29
1"	5.19 / 132	2.00 / 51	3.63 / 92	2.16 / 55	1.00 / 25	1.50 / 38	3.30 / 84	3.32 / 84	0.88 / .40
1-1/4"	6.63 / 168	2.63 / 67	4.50 / 114	2.94 / 75	1.25 / 32	2.00 / 51	4.50 / 114	4.45 / 113	1.75 / .80
1-1/2"	6.63 / 168	2.63 / 67	4.50 / 114	2.94 / 75	1.56 / 40	2.00 / 51	4.50 / 114	4.45 / 113	1.63 / .74
2"	7.63 / 194	3.38 / 86	5.38 / 137	3.75 / 95	2.00 / 51	2.38 / 60	5.06 / 129	4.88 / 124	3.00 / 1.4

## Cv Factors\*

Size	Factor	Size	Factor
1/2"	4.0	1-1/4"	12.0
3/4"	6.8	1-1/2"	28.0
1"	9.0	2"	28.0

\* With 1/32" plastic screen

## Pressure Drop Calculations

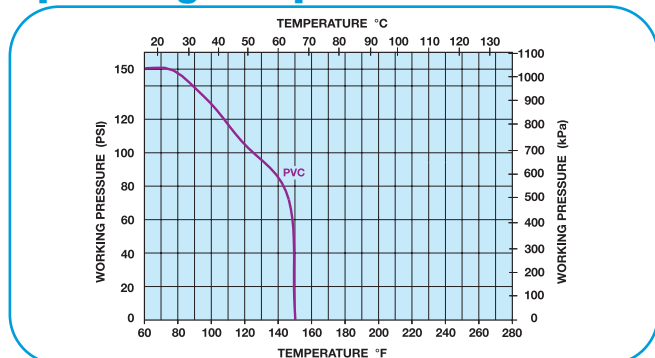
The pressure drop across the strainer, for water or fluids with a similar viscosity, can be calculated using the formula at the right:

$$\Delta P = \left[ \frac{Q}{Cv} \right]^2$$

Where  $\Delta P$  = Pressure Drop  
 $Q$  = Flow in GPM  
 $Cv$  = Flow Coefficient

The pressure loss across a valve or filter can be calculated using the system's flow rate and the Cv factor for that valve or filter. For example, a 1" strainer with a Cv factor of 8 will have a 4 PSI pressure loss in a system with a 16 gpm flow rate  $(16 \div 8)^2 = 4$

## Operating Temperature/Pressure



## Selection Chart

Size	Material	End Connection	Seal	Rating
1/2" to 2"	Clear PVC	Thd or Skt	FPM	150 PSI @ 70°F

## Strainer Screen Selection

- Y Strainers are furnished with a 1/32" perf plastic screen.
- Stainless steel strainer screens are available in these perms: 1/32", 3/64", 1/16", 5/64", 7/64", 1/8", 5/32", 3/16", 1/4", 3/8", 1/2"; and in mesh sizes: 20, 40, 60, 80, 100, 200, 325.