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 light-weight 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.

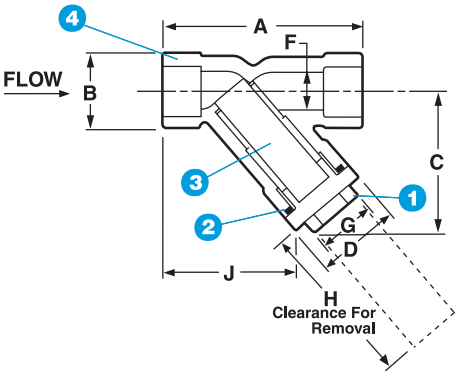
Adaptable Design

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



Parts List
Y Strainer

1. Cap
2. O-Ring Seal
3. Screen
4. Body

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

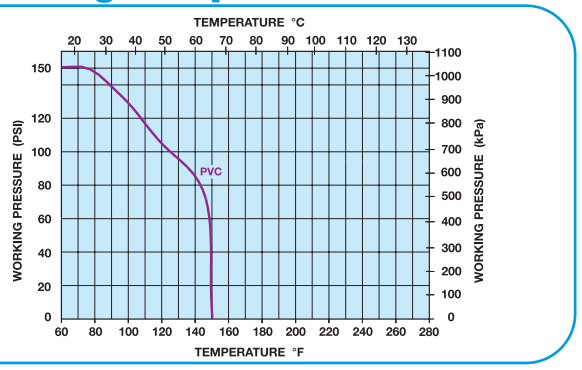
The pressure drop across the strainer, for water or fluids with a similar viscosity, can be calculated using the formula at the right:

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

Where ΔP = 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 perfs: 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.