



Large Size Duplex Basket Strainers



6" and 8" - PVC and Corzan® CPVC



Protect System Components

When pipeline system components require protection from dirt and debris and the line cannot be shut down for basket cleaning, a Hayward All Plastic Duplex Basket Strainer is the ideal choice. Unwanted particles are removed as the process media passes through a perforated strainer basket contained inside the strainer body. The basket traps the unwanted material while allowing the process media to flow freely.

Easy Basket Cleaning

Cleaning or changing the strainer basket is quick and easy. Turning the operating hand wheels on the diverter butterfly valve assembly switches the flow from one strainer housing to the other. Then, the out of service housing can be serviced by opening the hand removable, spin-off cover for access to the basket. The cover features two angled handles for easy opening and closing. The housing has external cover threads that do not contact the process media eliminating the need for cleaning. Venting and draining are easily accomplished by using the hand removable, threaded plugs on the cover and the side of the housing.

Choice of Piping Connections

The strainer can be installed either in-line or with a loop piping configuration. This is made possible by changing the orientation of the top or bottom inlet/outlet connection. Just remove the connection assembly, rotate it 180 degrees and reinstall it to convert from one type of connection to the other.

Wide Range of Strainer Baskets

Plastic baskets in perforation sizes from 1/32" to 3/16" and stainless steel baskets from 1/2" perforation down to 325 mesh are available.

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Features

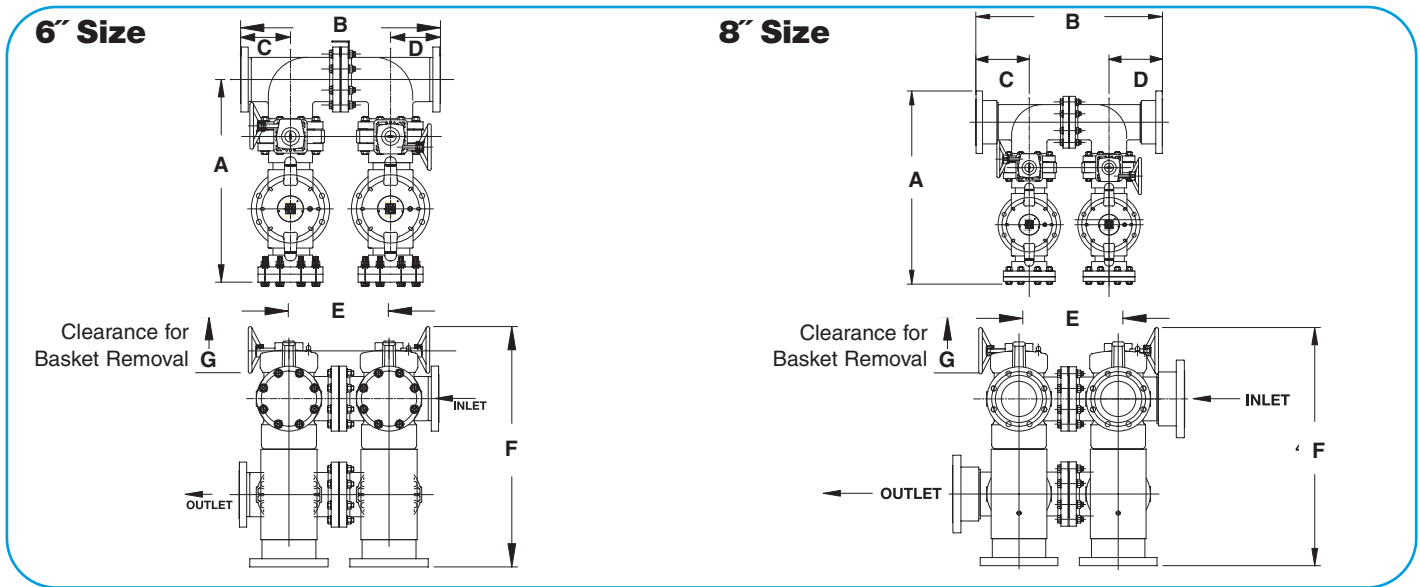
- Uninterrupted Flow
- External Cover Threads
- Low Pressure Drop
- Wide Choice of Baskets
- In-Line or Loop Piping
- Ergonomic Hand Removable Cover
- FPM Seals
- Integral Flat Mounting Bases
- Hand Removable Vents on Covers
- Hand Removable Drains on Bodies
- Liquid Displacing Covers

Options

- Stainless Steel Mesh Strainer Baskets
- EPDM Seals



Technical Information



Dimensions – Inches/Millimeters

Size	A	B	C	D	E	F	G	Weight (lb / kg)
6"	34.91 / 887	34.42 / 874	8.59 / 218	8.59 / 218	17.24 / 438	41.40 / 1052	21.80 / 554	180 / 81.8
8"	41.74 / 1060	40.34 / 1025	11.55 / 293	11.55 / 293	17.24 / 438	41.40 / 1052	28.75 / 730	250 / 114

Cv Factors

Size	Factor	Size	Factor
6"	900	8"	700

The above Cv Factors were determined using a 1/16" perforated plastic basket.

Pressure Drop Calculations

Basket Perforation Correction Factors

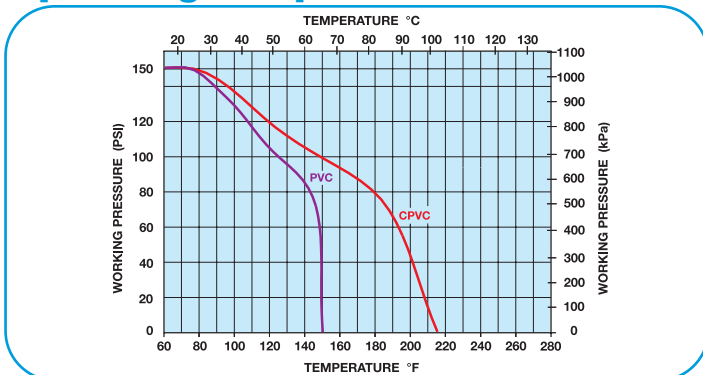
Plastic Baskets		Stainless Steel Baskets	
1/32"	1.05	1/32"	.82
1/16"	1.00	3/64"	.63
1/8"	.58	1/16"	.74
3/16"	.46	5/64"	.50
		7/64"	.51
		1/8"	.58
		5/32"	.37
		3/16"	.46
		1/4"	.58
		325 Mesh	1.22
		20 Mesh	.79
		40 Mesh	1.01
		60 Mesh	1.20
		80 Mesh	1.16
		100 Mesh	1.20
		200 Mesh	1.09

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

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

Where ΔP = Pressure Drop
 Q = Flow in GPM
 Cv = Flow Coefficient

Operating Temperature/Pressure



Selection Chart

Size	Material	End Connection	Seal	Rating
6" and 8"	PVC, CPVC	Flanged	FPM*	150 PSI @ 70°F

* EPDM optional

Basket Selection

- Stainless steel baskets 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.

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