


 Certified to  
 NSF/ANSI 61 & 372  
 PVC and CPVC

## SB Series Simplex Basket Strainers

6" TO 8" PVC AND CPVC

### KEY FEATURES

- Available in PVC and CPVC
- Ergonomic Hand-Removable Cover
- In-Line or Loop Connections
- External Cover Threads
- Integral Flat Mounting Bases
- PVC or CPVC Baskets Standard
- NSF / ANSI 61 and NSF / ANSI 372 Listed

### OPTIONS

- Stainless Steel, Monel®, Hastelloy® and Titanium Strainer Baskets
- Pressure Differential Gauge and Switch
- Baskets Available with Perforated or Mesh Liners

### MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- FPM and EPDM O-Ring Seals

## TECHNICAL INFORMATION

### BASKET OPTIONS

PERFORATION SIZES	MESH SIZES	BASKET MATERIAL
1/32"	20	
1/16"	40	
1/8"	60	
5/32"	80	SSTL, Hastelloy, Monel and Titanium
3/16"	100	
1/4"	200	
3/8"	325	
1/8"	N/A	PVC, CPVC and PP
3/16"		

### SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
6" – 8" (DN150 – DN200)	PVC or CPVC	Flanged*	FPM or EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

\* Flanged Ends available in ANSI/ASME 150 or DIN/ EN PN10

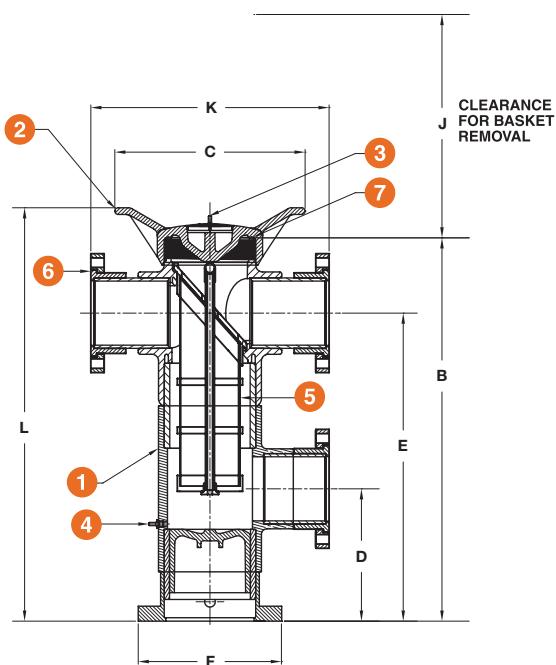
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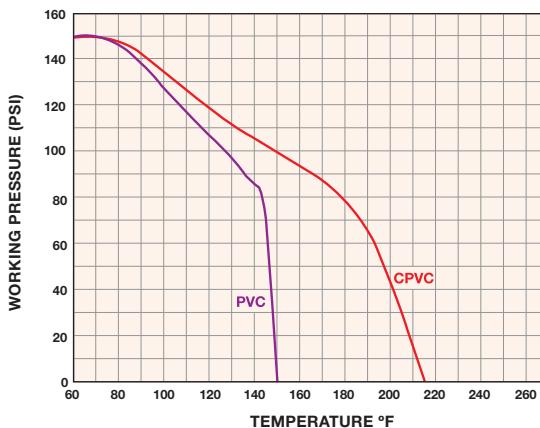
## TECHNICAL INFORMATION, CONTINUED

### PARTS LIST

1. Body
2. Cover
3. Vent Plug and O-Ring
4. Drain Plug and O-Ring
5. Basket
6. Flange (Optional)
7. Cover O-Ring



### OPERATING TEMPERATURE/PRESSURE



### DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	J in / mm	K in / mm	L in / mm	SOC / THD	WEIGHT lbs / kg	FLANGED	VOLUME gal / LT
6 / 150	N/A	36.07 / 871	18.00 / 457	12.46 / 316	28.99 / 736	13.50 / 298	21.80 / 554	22.42 / 569	39.90 / 1013	N/A	60.00 / 27.21	6.80 / 25.74	
8 / 200	N/A	36.07 / 871	18.00 / 457	12.46 / 316	28.99 / 736	13.50 / 298	28.75 / 730	25.44 / 640	39.90 / 1013	N/A	80.00 / 36.28	9.00 / 34.07	

Dimensions are subject to change without notice – consult factory for installation information

### PRESSURE DROP CALCULATIONS

BASKET PERFORATION CORRECTION FACTORS			
For 6" to 8" Strainers			
Plastic	Stainless Steel		
1/32"	4.50	1/32"	2.25
1/16"	2.20	1/16"	2.03
1/8"	1.25	1/8"	1.58
3/16"	1.00	5/32"	1.00
		3/16"	1.26
		1/4"	1.58
		3/8"	1.24
20 Mesh 2.16 40 Mesh 2.79 60 Mesh 3.28 80 Mesh 3.18 100 Mesh 3.30 200 Mesh 2.98 325 Mesh 3.33			

### PRESSURE LOSS CALCULATION FORMULA

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

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

$\Delta P$  = Pressure Drop

Q = Flow in GPM

Cv = Flow Coefficient

### Cv VALUES

SIZE  
in / DN

Cv VALUES

6 / 150

1,000

8 / 200

750

The above Cv Values were determined using a 5 / 32" perforated stainless basket in 6" and 8" strainers.

To calculate pressure drop through vessels using other than 5 / 32" perforated baskets, first calculate the pressure drop using the listed Cv, and then multiply the result by the correction factor in the Correction Factors chart to the left.



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Hayward Flow Control has been a leading manufacturer of industrial thermoplastic valves and process control products for more than 60 years. In fact, Hayward was one of the originators of the first thermoplastic ball valves. Since then, we have remained committed to producing the highest quality products while providing outstanding service.

## Liquid Filters and Strainers



### Bag Filter vessel

- GFPP
- PVC
- CPVC



### Simplex Strainers

- PVC
- CPVC
- GFPP
- PVDF
- Eastar® (Clear)



### Y Strainers

- PVC
- CPVC
- Clear PVC
- PVDF



### Duplex Strainers

- PVC
- CPVC
- GFPP
- Eastar® (Clear)

## Valves and Flow Control



### Ball Valves

- PVC
- CPVC
- GFPP
- PVDF



### Butterfly Valves

- PVC
- CPVC
- GFPP
- PP
- PVDF



### Check Valves

- Ball Check Valves
- Y-Check Valves
- Wafer Check Valves
- Swing Check Valves



### Actuation

- Electric
- Pneumatic



### Pressure & Chemfeed

- Injection Quills
- Back Pressure
- Pressure Relief
- Diaphragm Valves
- Needle Valves
- Angle Globe Valves



### Solenoid Valves

- PVC
- CPVC
- PVDF



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