

Model SBV-05

Stainless Steel V-Band Clamp Basket Strainer



- 316 stainless steel
- 1/2"-2" NPT THD
- Stainless steel perf or mesh
- Pressures to 150 PSI (10 Bar); temp to 250 °F (121 °C)

Features

- **Body:** Made from heavy-gauge 316 stainless steel for corrosive service or carbon steel for non-corrosive service.
- **V-band clamp** for quick and easy removal and cleaning of basket.
- **Heavy-duty basket** constructed of stainless steel perf and additional wire mesh as required.
- **Perf:** Available from .020" to 3/16" openings (stainless steel only).
- **Mesh:** As small as .0025" openings. 60 micron (#250 mesh, Stainless Steel only).
- **Gasket:** Available in Viton, Buna, EPDM, and Teflon.
- **Parallel ports:** NPT connections are standard. Special connections including flanges are also available.

Applications

This heavy-duty strainer can be used for liquids, low-pressure steam, and gases for operating pressures up to 150 PSI (10 Bar) and temperatures up to 250 °F (121 °C). It is used to protect various pipeline components such as pressure-reducing valves, relief valves, etc. that require clean, filtered, or strained liquids to keep these devices operational. The strainer basket element is constructed of a heavy-duty stainless perf element with opening sizes from .020" up to 3/16", and when required, an additional stainless steel wire mesh can be added to screen out fine particles down to .0025". Note that overall body length can be adjusted to meet individual net flow basket area requirements.

Although not illustrated, the strainer body can also be made available with 150# flanges.

The strainer is equipped with a V-band clamp for simple and quick removal and cleaning of the strainer basket when it becomes clogged. Where much higher operating pressures are expected, refer to our [high pressure basket strainer](#).

MATERIAL LIST & SPECIFICATION

1	COVER	STAINLESS STL
2	BODY	STAINLESS STL
3	BASKET	STAINLESS STL
4	*GASKET	*BUNA
5	V-CLAMP	STAINLESS STL

* ALTERNATE ELASTOMERS
VITON, EPDM, TEFLON

ALSO AVAILABLE WITH
TRICLOVER FLANGES

DIMENSIONS (IN)

A NPT	B	C	D **	E
1/2	2.88	1.19	6	4-3/4
3/4	2.81	1.25	6	5-1/4
1	2.56	1.50	6	4-11/16
1 1/4	3.38	1.75	7.5	4-5/8
1 1/2	3.94	2.00	10.19	4-7/8
2	5.75	2.63	10.85	6-1/4

** DIMENSION MAY VARY
TO MAINTAIN NET OPEN
AREA WITH PERF OR MESH
SELECTED

PH 973-340-9955
FX 973-340-9933
21 COLUMBUS AVE
GARFIELD, N.J., 07026

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STRAINERS VAL

MATL	SS	TITLE	BASKET STRAINER
SCALE	NONE		1/2-2" NPT STAINLESS STL
DATE	4-27-04	DWG NO	SBV05T
DRWN	EDS	REV	

SBV-05

Material List and Specification

#	Item	Materials
1.	Cover	Stainless Steel
2.	Body	Stainless Steel
3.	Basket	Stainless Steel
4.	* Gasket	Viton
5.	V-clamp	Stainless Steel

*Gasket also available in EPDM, Buna, and Teflon

Dimensions

A	B	C	D	E
1/2	2.88	1.19	6	4-3/4
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1	2.56	1.50	6	4-11/16
1-1/4	3.38	1.75	7.5	4-5/8
1-1/2	3.94	2.00	10.19	4-7/8
2	5.75	2.63	10.85	6-1/4

Note: Dimensions are approximate and are subject to change without notice. Request certified dimensions before final product installation.

1/2" SBV05-05T

Strainers with Perf Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.062-0.125 in (1.575-3.175 mm)

Strainers with Mesh Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.0024-0.045 in (0.061-1.143 mm)

3/4" SBV05-07T

Strainers with Perf Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.062-0.125 in (1.575-3.175 mm)

Strainers with Mesh Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.0024-0.045 in (0.061-1.143 mm)

1" SBV05-10T

Strainers with Perf Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.062-0.125 in (1.575-3.175 mm)

Strainers with Mesh Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.0024-0.045 in (0.061-1.143 mm)

1 1/4" SBV05-12T

Strainers with Perf Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.062-0.125 in (1.575-3.175 mm)

Strainers with Mesh Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.0024-0.045 in (0.061-1.143 mm)

1 1/2" SBV05-15T

Strainers with Perf Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.062-0.125 in (1.575-3.175 mm)

Strainers with Mesh Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.0024-0.045 in (0.061-1.143 mm)

2" SBV05-20T

Strainers with Perf Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.062-0.125 in (1.575-3.175 mm)

Strainers with Mesh Baskets: Body 150# psi Rating (10 bar)

Particle sizes from:0.0024-0.045 in (0.061-1.143 mm)

Select a specific particle size in the pricing pages from either the Perf or Mesh groups.