

Provided by:

Basket Strainers

High Volume, High Performance

Sani-Matic Basket Strainers are specially constructed to strain particulates out of a high-volume process stream. The innovative, durable design includes a side-inlet, which allows you to easily remove the basket for cleaning without disconnecting the line.

Our Basket Strainers can be equipped with either a wedgewire or perforated element. Filter bags can be used for finer straining applications and are available in a wide variety of media types and micron sizes.

The strainer's lid and hand knob closure are rated for higher pressures than clamp-style covers, which improves operator safety.



Sani-Matic's standard Basket Strainers are 3-A certified when used with a perforated element. If 3-A certification is required, contact a Sani-Matic representative to ensure the configuration meets all 3-A standards.

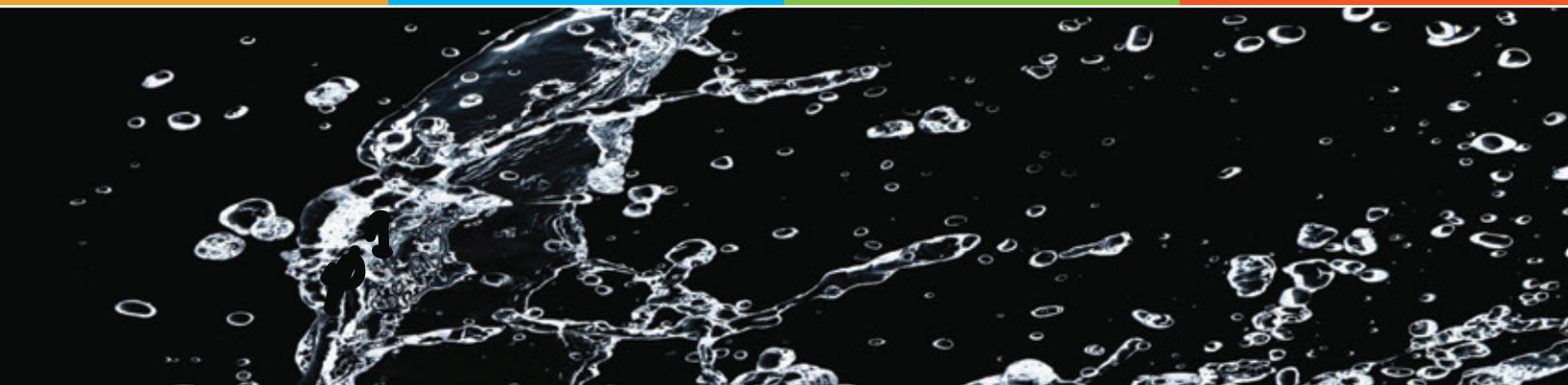


Food & Beverage

Bio-Pharm

Sanitary Components

Services



QUICK TIPS

How do we know the Sani-Matic Basket Strainer can capture a large amount of particulate from your high-volume process?

Each of the basket strainers manufactured is pressure tested to 100 psi using a hydrostatic water test for quality assurance.

Are filter bags 3-A certified?

While filter bags can be used with perforated elements for finer straining applications, they are not 3-A certified.

Note: Filter bags require clamp ring and locking latch and are sold separately.

When there is a heavy soil load, how can we remove the strainer element?

An overhead crane may be needed to remove strainers containing heavy soil.

Why is the standard air relief valve important?

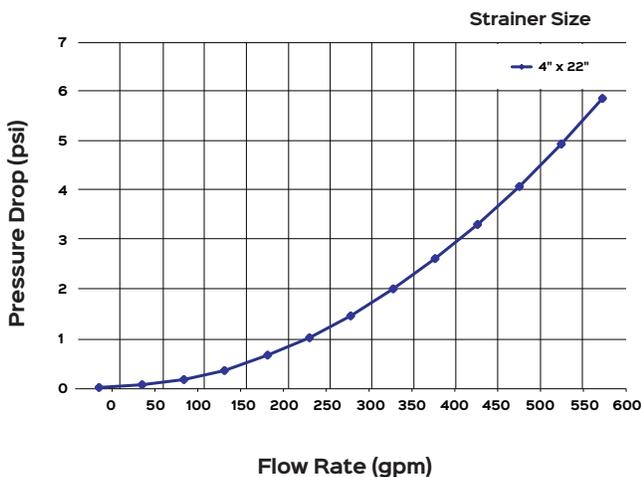
The air relief vent valve is used to relieve line pressure prior to opening the basket strainer cover.

GOOD TO KNOW

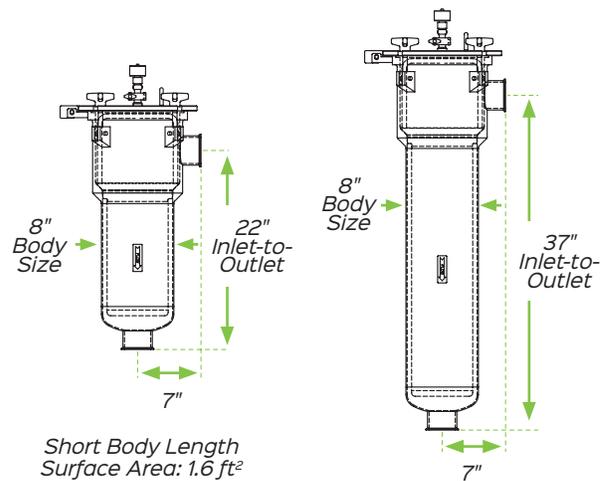
- **Material:** Cast and heavy gauge 316L stainless steel
- **Pressure Rating:** 100 psi max @ 200 °F (liquid service only)
- **Sanitary ID Finish:** 32 µin Ra
- **Short Body Length Approximate Weight:** 110 lbs.
- **Long Body Length Approximate Weight:** 130 lbs.
- A complete assembly includes a strainer body, element, cover O-ring, element O-ring, air relief vent valve, and vent valve gasket



Pressure Drop for Basket Strainer

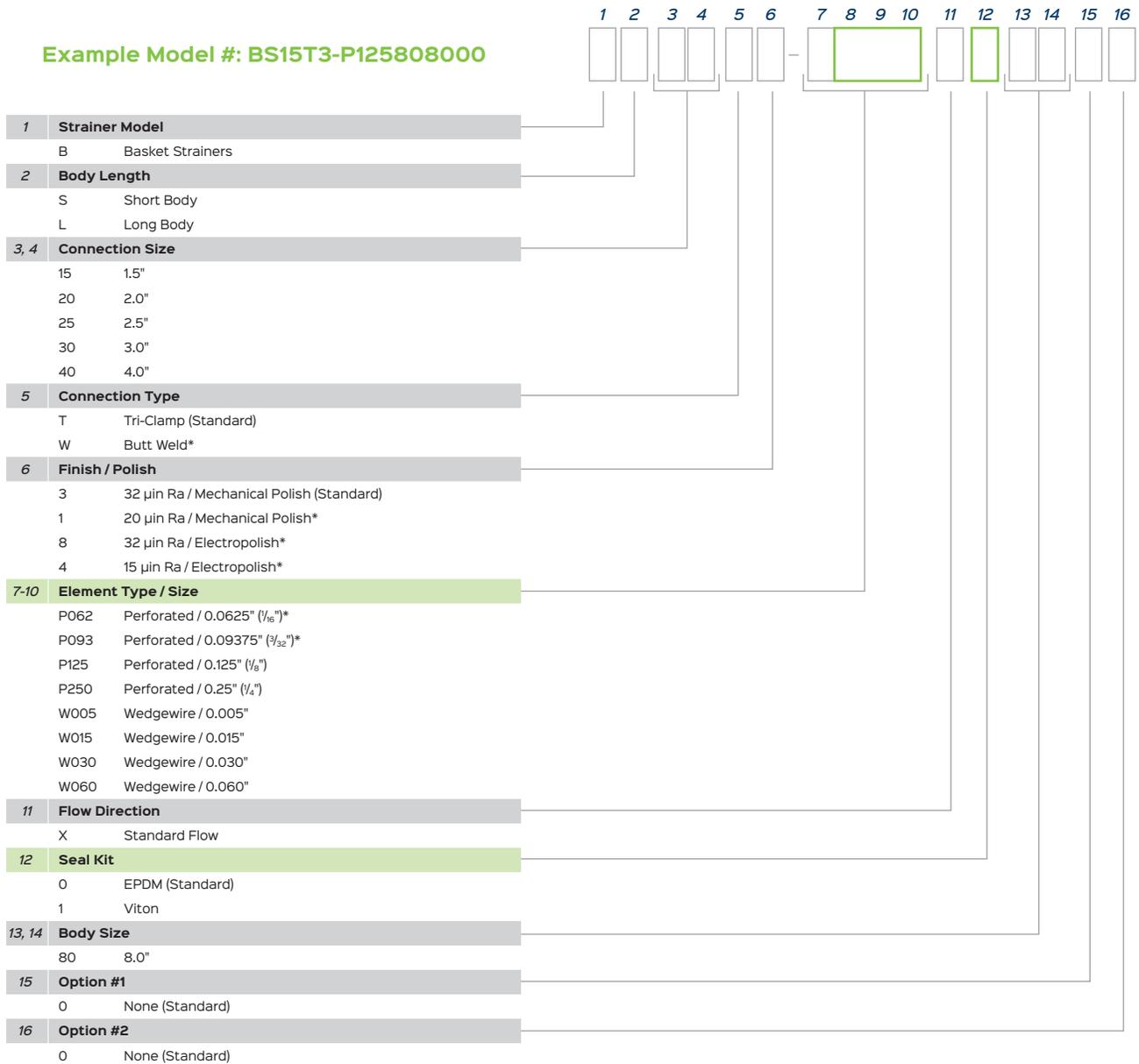


Performance based on testing using 70 °F water and 4" x 22" housing with 0.005" wedgewire element.



Basket Strainer Model Number Key

Example Model #: **BS15T3-P125808000**



**Non-stock product option. Longer lead times will apply.*

Reference: Former Part Number & New Model Number Comparison

Reference Model Number Key for selections to be made. Selections are designated by empty green boxes in the table below.

Perforated Strainer Element				
Connection Size	Body Length	Max. gpm	Old Part #	New Model Key #
1.5"	SHORT (22")	70	S10501	BS15T3-P <input type="text"/> X <input type="text"/> 8000
2.0"	SHORT (22")	130	S10502	BS20T3-P <input type="text"/> X <input type="text"/> 8000
2.5"	SHORT (22")	205	S10503	BS25T3-P <input type="text"/> X <input type="text"/> 8000
3.0"	SHORT (22")	300	S10504	BS30T3-P <input type="text"/> X <input type="text"/> 8000
4.0"	SHORT (22")	540	S10520	BS40T3-P <input type="text"/> X <input type="text"/> 8000
1.5"	LONG (37")	70	S10505	BL15T3-P <input type="text"/> X <input type="text"/> 8000
2.0"	LONG (37")	130	S10506	BL20T3-P <input type="text"/> X <input type="text"/> 8000
2.5"	LONG (37")	205	S10507	BL25T3-P <input type="text"/> X <input type="text"/> 8000
3.0"	LONG (37")	300	S10508	BL30T3-P <input type="text"/> X <input type="text"/> 8000
4.0"	LONG (37")	540	S10509	BL40T3-P <input type="text"/> X <input type="text"/> 8000
Wedgewire Strainer Element				
Connection Size	Body Length	Max. gpm	Old Part #	New Model Key #
1.5"	SHORT (22")	70	S10510	BS15T3-W <input type="text"/> X <input type="text"/> 8000
2.0"	SHORT (22")	130	S10511	BS20T3-W <input type="text"/> X <input type="text"/> 8000
2.5"	SHORT (22")	205	S10512	BS25T3-W <input type="text"/> X <input type="text"/> 8000
3.0"	SHORT (22")	300	S10513	BS30T3-W <input type="text"/> X <input type="text"/> 8000
4.0"	SHORT (22")	540	S10514	BS40T3-W <input type="text"/> X <input type="text"/> 8000
1.5"	LONG (37")	70	S10515	BL15T3-W <input type="text"/> X <input type="text"/> 8000
2.0"	LONG (37")	130	S10516	BL20T3-W <input type="text"/> X <input type="text"/> 8000
2.5"	LONG (37")	205	S10517	BL25T3-W <input type="text"/> X <input type="text"/> 8000
3.0"	LONG (37")	300	S10518	BL30T3-W <input type="text"/> X <input type="text"/> 8000
4.0"	LONG (37")	540	S10519	BL40T3-W <input type="text"/> X <input type="text"/> 8000



Replacement Parts



NOTE: Cover O-ring and Vent Valve Gasket are not shown in image.

1 Strainer Elements

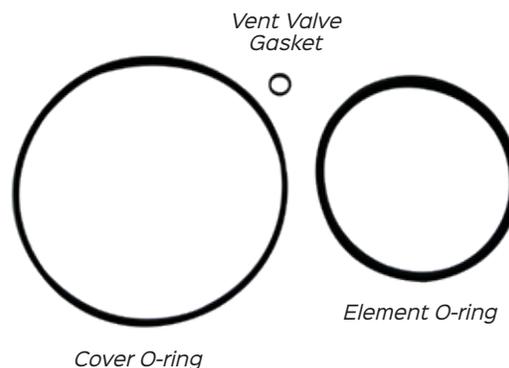
Perforated Strainer Element		
Hole Size	Body Length (SHORT) Part #	Body Length (LONG) Part #
1/16"	278388*	278391*
3/32"	163596*	124828*
1/8"	741039	741052
1/4"	741051	741054
Wedgewire* Strainer Element		
Slot Size	Body Length (SHORT) Part #	Body Length (LONG) Part #
0.005"	741022	741047
0.015"	741030	741048
0.030"	741046	741049
0.060"	167384	198957

*Non-stock product option.



2 Basket Strainer Seal Kit Parts

Cover O-ring	Part #
EPDM (Standard)	021378
Viton	021144
Element O-ring	Part #
EPDM (Standard)	021356
Viton	021143
Vent Valve Gasket	Part #
EPDM (Standard)	021037
Viton	028725



3 Filter Bags • 50/box

22" SHORT Basket Strainers		
Micron	Material	Part #
1	Polypropylene	029244
5	Polypropylene	029245
10	Polypropylene	029246
10	Polyester Felt	031955
25	Polyester	040134
25	Polypropylene	029247
50	Polypropylene	029237
100	Polypropylene	029248
150	Nylon	029249
400	Nylon	040903
400	Polypropylene Monofilament	045387
600	Nylon Mesh	043768
800	Nylon	029250
1500	Polyester	029251
37" LONG Basket Strainers		
Micron	Material	Part #
1	Polypropylene	029252
5	Polypropylene	029253
10	Polypropylene	029254
25	Polypropylene	029255
50	Polypropylene	029256
50	Polyester	034820
100	Polypropylene	029257
100	Nylon	031268
150	Nylon	029259
250	Nylon	026262
300	Nylon	024098
400	Nylon	042110
600	Polypropylene	036642
800	Nylon	029261
1500	Polyester	029262



Filter Bag Notes:

- Filter bags are 7" diameter
- Sewn-in, stainless steel ring in top
- Filter bags require a media clamp ring & locking latch
- All bags are FDA compliant
- Micron rating is industry standard nominal rating with 75% efficiency
- 95% efficiency filter bags are available upon request
- Filter bags are disposable and intended for single use

4 Filter Bag Clamp Parts

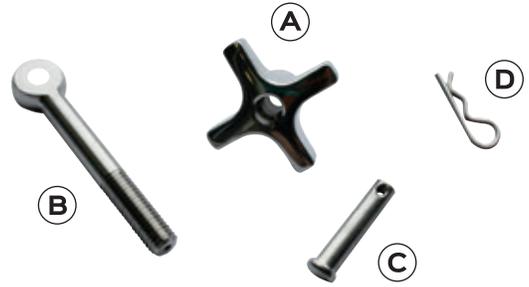
Description	Part #
Filter Bag Kit ¹	105937
Clamp Ring	641110
Locking Latch	621766

¹Includes clamp ring and locking latch.



5 Cover Hold-Down Parts

Description	Part #
Ⓐ Threaded Knob	021385
Ⓑ Swing Bolt	177476
Ⓒ Swing Bolt Clevis Pin	021382
Ⓒ Cover Hinge Clevis Pin	021383
Ⓓ Pin, Hair Pin	021384



NOTE: One Basket Strainer requires qty (4) of each Cover Hold-Down Part.

6 Air Relief Vent Valve

Description	Part #
Air Relief Vent Valve with 1/2" Connection	021881

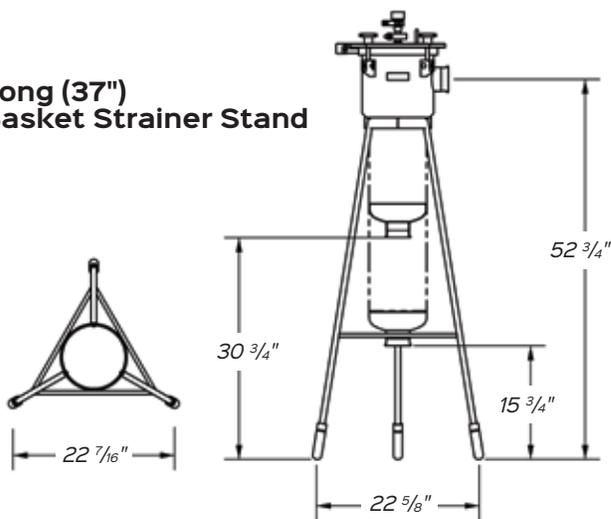


Accessories

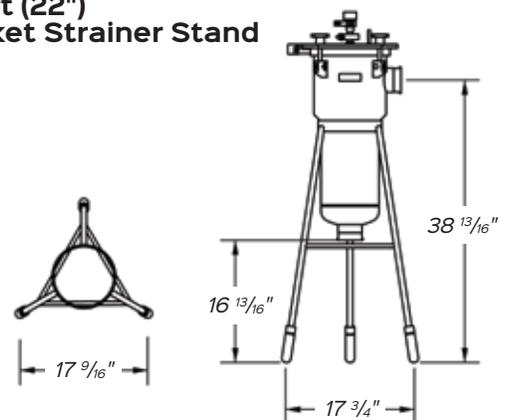
Basket Strainer Stand

Description	Material	Part #
Stand for SHORT Body Length	304 Stainless Steel	101998
Stand for LONG Body Length	304 Stainless Steel	741065

Long (37")
Basket Strainer Stand



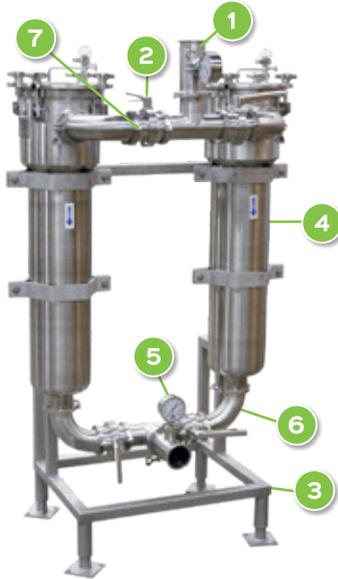
Short (22")
Basket Strainer Stand



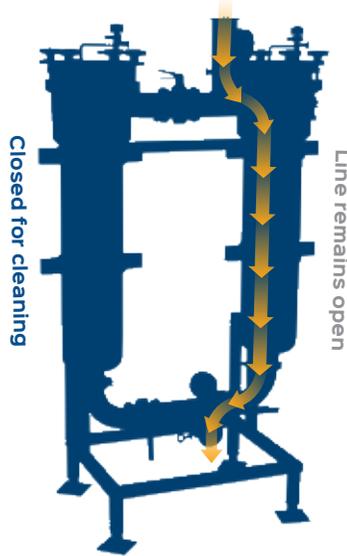
Dual Basket Strainer Assembly Parts

Dual Basket Strainer Stands

Connection Size	Recommended Maximum gpm	SHORT (22") Part #	LONG (37") Part #
1.5"	70	258688	258855
2.0"	130	258731	258861
2.5"	205	258845	258863
3.0"	300	258847	258868
4.0"	540	258849	258876



Complete Dual Basket Strainer Assembly



- 1 Tees (4)
- 2 Butterfly Valves (4)
- 3 Stand
- 4 Basket Strainers (2)
- 5 Pressure Gauge
- 6 Elbows (4)
- 7 Clamps/Gaskets (12)

Valve Kits

Kit includes: Four (4) Elbows, two (2) Tees, four (4) VNE Butterfly Valves, twelve (12) Clamps, and twelve (12) Gaskets.

Material: 316L Stainless Steel

NOTE: Alternate valves available.

NOTE: Strainers are not included in the valve kit, they are sold separately.

Connection Size	Part #
1.5"	291142
2.0"	291143
2.5"	291144
3.0"	291145
4.0"	291146

Pressure Gauge Kit

Two (2) Sanitary Diaphragm-type Pressure Gauges, two (2) Tees, four (4) Gaskets and four (4) Clamps. Install before and after the strainer assembly. Pressure range for gauge is 0 to 160 psi.

Connection Size	Part #
1.5"	158581
2.0"	158585
2.5"	158591
3.0"	158593
4.0"	158596

