

# In-Line Strainers

## Fast Delivery & Reliable Performance

Sani-Matic offers the widest variety of sizes and styles of high quality sanitary Angle and Straight-Line Strainers for reliable performance. Made by our Wisconsin craftsmen, they are designed for durability and are readily available for quick delivery.

Sani-Matic strainers can use perforated inserts or wedgewire interchangeably. Perforated inserts require either disposable filter socks or wire mesh overlays for fine filtration. Wedgewire offers an effective and durable single piece insert in micron ratings equivalent to wiremesh. Advantages of wedgewire are:

- One piece solution
- Durable, long-lasting
- Increased pressure rating
- More sanitary than wiremesh

## Standard Features

- 5 fitting sizes available
- 3 effective strainer area sizes available
- 316L type stainless steel construction throughout
- Standard tri-clamp connections, with other fitting types optional
- Wedgewire and perforated insert with overlay mesh are interchangeable
- Dual Strainer installation is possible to increase capacity and provide uninterrupted processing

**Easy disassembly** permits fast strainer insert inspection and service without disconnecting strainer body from process piping.



**Angle-Line Strainer makes inspection easy.**

**SANI-MATIC**

[WWW.BALDEWEINCO.COM](http://WWW.BALDEWEINCO.COM)  
Phone: 800-424-5544 - Fax: 888-816-7088

### Maximum Differential Pressure Ratings

tri-clamp\* 120 psi  
 tubing 250 psi  
 Perforated Insert 125 psi  
 Wedgewire Insert 600 psi

\*Alternative connection fittings available for increased pressure rating:  
 Bevel seat, I-line, or female pipe thread.

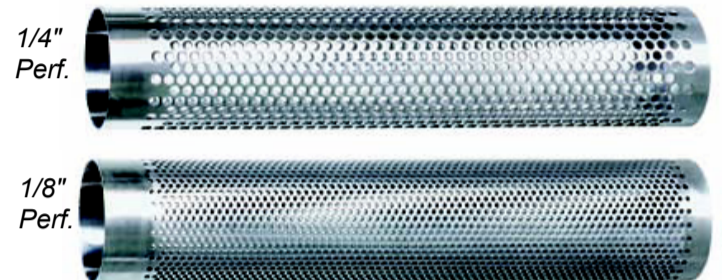
### Pressure Drop

Up to 100 gpm    Up to 240 gpm  
**Straight-Line** < 1 psi    1 psi  
**Angle-Line** < 2.5 psi    4 psi

Based on water, wedgewire has an insignificant effect. If overscreens are used with perforated insert, higher values may occur.

### 4" O.D. BODY PERFORATED INSERTS – 316L

**15" PART# (20.75" strainer)**      **30" PART#(36" strainer)**  
 720584    720585 (1/8" holes) (40% open)  
 720411    720412 (1/4" holes) (58% open)  
 720972 (3/32" holes) (33% open)



### WIRE MESH OVERLAYS (ONLY)

Space Between	Micron	Percent of	15" PART#	30" PART#	Mesh Size	Wires (inches)	Rating	Open Area
000717	000701	10 MeSh	.075	1905	56.3			
000712	000702	20 MeSh	.034	864	46.2			
000713	000703	30 MeSh	.021	533	40.8			
000714	000704	40 MeSh	.015	381	36.0			
000715	000705	50 MeSh	.011	280	30.3			
000716	000706	60 MeSh	.0092	230	30.5			
000718	000708	80 MeSh	.007	180	31.4			
000711	000710	100 MeSh	.006	140	30.3			
000720	000707	120 MeSh	.0046	117	30.5			



Wire Mesh Overlay

### Disposable Filter Socks

A variety of micron sizes and materials are available. Sold in boxes of 50 per carton.

NOTE: For mesh overlays finer than 120, contact Sani-Matic for availability and pricing.

### 6" O.D. BODY PERFORATED INSERT – 316L

**PART# 4" x 30"**  
 720799 (1/8" holes)  
 720800 (1/4" holes)  
 720890 (3/32" holes)

### 4" O.D. BODY WEDGEWIRE INSERTS – 316L

15" PART# (20.75" strainer)	30" PART# (36" strainer)	Wedgewire Spacing	Wire Mesh Equivalent	Micron	Percent of	Rating	Open Area
720866	720874	.002	270	50	4.1		
720867	720875	.005	120	125	8		
721140	721141	.007	80	177	10		
720868	720876	.010	60	250	14		
720869	720877	.015	40	380	20		
720870	720878	.020	32	500	25		
720871	720879	.030	25	750	33		
720872	720880	.040	17	1015	40		
720873	720881	.060	10	1600	50		
720883	S40200	.1875 (3/16")	4	4760	75		



Wedgewire

### Advantages of Wedgewire

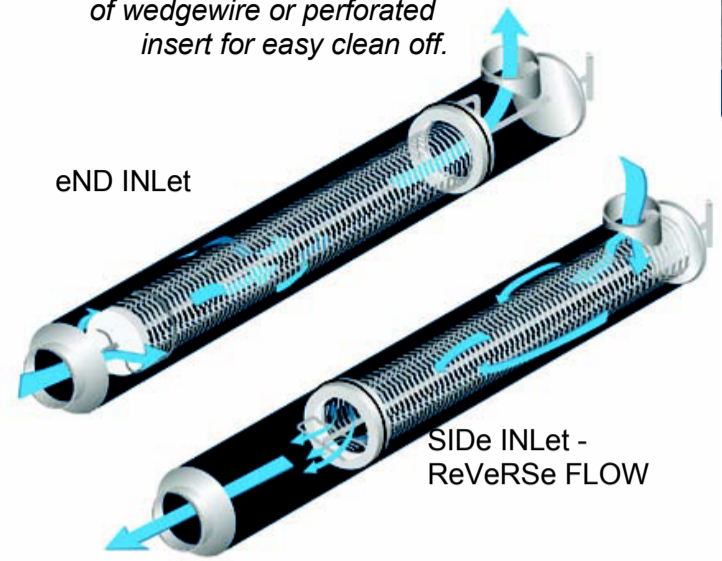
- One piece solution
- Durable, long-lasting
- Increased pressure rating
- More sanitary than wiremesh

### 6" O.D. BODY WEDGEWIRE INSERT- 316L

**PART# 4" x 30"** (call for Part #)  
 (SPeclFY SPAcING — .002 thRu .060)

**Flow Diagram**

Soil is collected on outside of wedgewire or perforated insert for easy clean off.



**Side Inlet – Reverse Flow**

Use same part number, beginning with "X" (X10026). Conversion kits available to change flow direction using same strainer body.

4" dia. body with 3" x 30" element  
2 sq. ft. area  
3-5/32"

6" dia. body with 4" x 30" element  
2.6 sq. ft. area  
4-3/16"

4" dia. body with 3" x 15" element  
1 sq. ft. area  
3-5/32"

**angle-Line Strainer**

Complete assembly

4" O.D. body Sanitary Finish 316L Stainless Steel



**PERFORATED INSERT** (1/8" or 1/4" holes)

Tri-Clamp	
Fitting Size	Length 20.75" Length 36" GPM
1.5"	S10026 S10036 80
2"	S10027 S10037 120
2.5"	S10028 S10038 180
3"	S10029 S10039 240
4"	S10030 S10040 300

**WEDGEWIRE INSERT** (Specify spacing – .020–.060)

Tri-Clamp	
Fitting Size	Length 20.75" Length 36" GPM
1.5"	S10146 S10156 80
2"	S10147 S10157 120
2.5"	S10148 S10158 180
3"	S10149 S10159 240
4"	S10150 S10160 300

6" O.D. body Sanitary Finish 316L Stainless Steel

	Tri-Clamp
Fitting Size	Length 40" GPM
<b>PERFORATED INSERT</b> (1/8" OR 1/4" HOLES)	4" S10176 >250
<b>WEDGEWIRE INSERT</b> (4" DIA.)	4" S10175 >250

**Straight-Line Strainer**

Complete assembly

4" O.D. body Sanitary Finish 316L Stainless Steel



**PERFORATED INSERT** (1/8" or 1/4" holes)

Tri-Clamp	
Fitting Size	Length 20.75" Length 36" GPM
1.5"	S10006 S10016 80
2"	S10007 S10017 120
2.5"	S10008 S10018 180
3"	S10009 S10019 240
4"	S10010 S10020 300

**WEDGEWIRE INSERT** (Specify spacing – .020–.060)

Tri-Clamp	
Fitting Size	Length 20.75" Length 36" GPM
1.5"	S10126 S10136 80
2"	S10127 S10137 120
2.5"	S10128 S10138 180
3"	S10129 S10139 240
4"	S10130 S10140 300

4" dia. body with 3" x 30" element  
2 sq. ft. area

4" dia. body with 3" x 15" element  
1 sq. ft. area

# Internal Component Parts:

Replacement strainer bodies available upon request

## 4" O.D. BODY FRAME – 316L

**PART#**

- 740327 Angle-line — end-Inlet 3" x 15"L
- 740312 Angle-line — end-Inlet 3" x 30"L
- 740320 Angle-line — Side-Inlet 3" x 15"L
- 740348 Angle-line — Side-Inlet 3" x 30"L

**SPECIFY T.C. FITTING SIZE FOR:**

- SPec Straight-line — 3" x 15"L
- SPec Straight-line — 3" x 30"L

## ANGLE-LINE & STRAIGHT-LINE END PLUG (END INLET)

**PART#**

- 720419 Nylon end Plug (std.)
- 720988 teflon end Plug



## 4" O.D. BODY ANGLE-LINE O-RING

**PART# Material**

- 020236 Viton
- 020503 ePDM (std)
- 024020 teflon



## ANGLE-LINE & STRAIGHT-LINE RETAINER CLIP – 316L

**PART#**

- 740295 end-Inlet
- 720408 Side-Inlet

Side-Inlet



End-Inlet



## ANGLE-LINE O-RING RETAINER (SIDE-INLET)

**PART#720582**



## 3 oz. SILICONE LUBRICANT

**PART#025135**



**SPARE PARTS KIT** Includes 1 each: Nylon end Plug, Retainer clip, 4" t.c. Gasket and (4) Frame Seal O-rings, end-Inlet Model S25725

## dual angle-Line Strainer System

call for quotes as full assembly. Automated backflush system with pressure sensing alarm available.



## STRAINER STAND ONLY – 304SS

(For mounting dual-strainer assemblies #S10080)

## VALVE KIT WITH KOLTEK SHUTTER VALVES – 316L (3-WAY ACTION)

Kit includes: (4) elbows, (2) Valves (316L only), (8) clamps, (8) Gaskets  
Size: 1-1/2", 2", 2-1/2", 3"

## VALVE KIT WITH BUTTERFLY VALVES – 304 or 316L (as shown)

Kit includes: (2) elbows, (2) tee, (4) Valves, (10) clamps, (10) Gaskets  
Size: 1-1/2", 2", 2-1/2", 3", 4"

## 6" O.D. BODY COMPONENTS

- 740622 Angle-line end-Inlet Frame
- 740629 Angle-line Side-Inlet Frame (1/8" or 1/4")
- 741001 Angle-line Side-Inlet wedgewire
- 720616 Nylon end Plug Only
- 740623 Retainer clip – 316L end-Inlet
- 320033 Retainer clip – 316L Side-Inlet
- 020222 O-Ring
- 720631 O-Ring Retainer (Side-Inlet Model)
- SPec Wire Mesh (Specify Mesh size)