



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



Angle-Line Strainer makes inspection easy.

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

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.

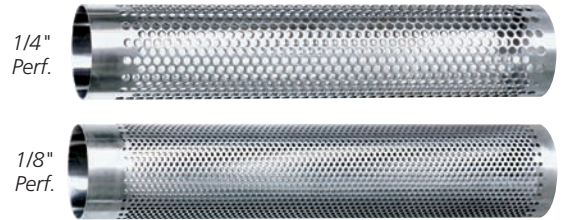
Pressure Drop

	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)

15" PART#	30" PART#	Mesh Size	Space Between Wires (inches)	Micron Rating	Percent of 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

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

Disposable Filter Socks

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

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 Rating	Percent of 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	540200	.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 #)
(SPECIFY SPACING — .002 THRU .060)



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)

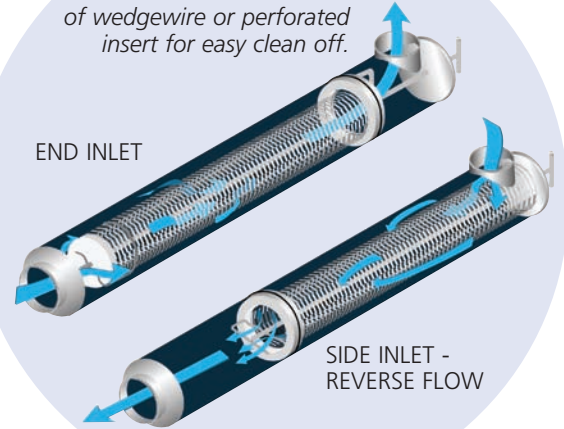
Tri-Clamp Fitting Size	Length 20.75"	Length 36"	GPM
1.5"	S10146	S10156	80
2"	S10147	S10157	120
2.5"	S10148	S10158	180
3"	S10149	S10159	240
4"	S10150	S10160	300

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

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

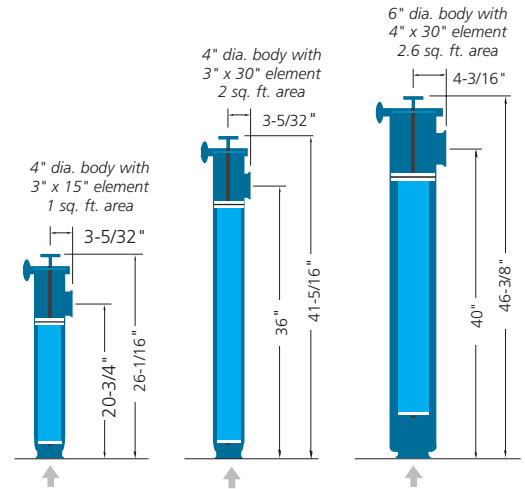
Flow Diagram

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.



Straight-Line Strainer Complete Assembly

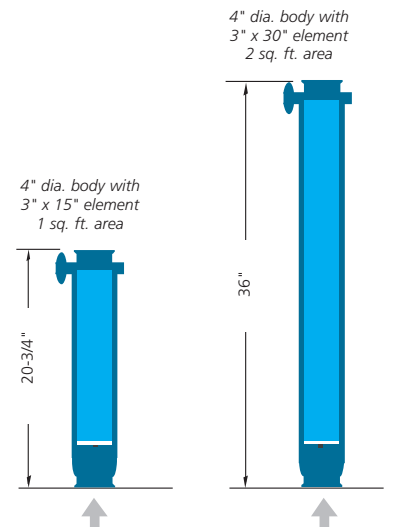
4" O.D. Body Sanitary Finish 316L Stainless Steel

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



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



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)

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

PART#	
720419	Nylon End Plug (std.)
720988	Teflon End Plug



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

PART#	
740295	End-Inlet
720408	Side-Inlet



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

PART#	Material
020236	Viton
020503	EPDM (std)
024020	Teflon



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"