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RODGER

RODGER

RODGER INDUSTRIES INC.

T316L

MADE IN
CANADA

↑
FLOW

FILTERS AND STRAINERS

Product Catalogue



www.rodgerindustries.com

About RODGER INDUSTRIES

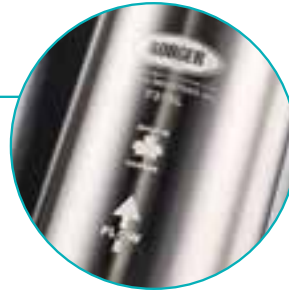
Rodger Industries Inc. is an international manufacturer and supplier of premium components including stainless steel fittings, valves and filters for hygienic processing applications in the dairy, food, beverage, pharmaceutical, cosmetics, and other high purity industries.

Utilization of automated processes, combined with skilled craftsmanship provides the optimum formula to produce process components that exceed the exacting tolerances demanded by sanitary processing industries.



Our BRAND

We take pride in our product's quality and that is why we put our stamp on it. Confidence in the marketplace has made our brand linked with quality.



Positive Material IDENTIFICATION

Raw materials inspected upon arrival.



MATERIALS

Filters are manufactured OF EITHER T304 or T316 sanitary stainless steel tubing.



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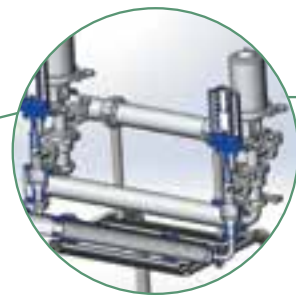
North American **MADE**

The utilization of automated processes, combined with skilled craftsmanship provides us with the optimum formula to produce essential process components, such as fittings and filters. Products continuously undergo meticulous inspection starting with the arrival of raw materials through to final quality control and packaging stages. Uncompromising adherence to product integrity and ensuring maximum repeatability define the values of our organization.



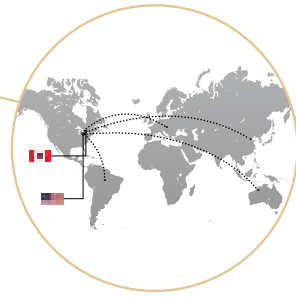
Canadian Registration **NUMBER**

Applicable filter units are registered and rated for 8.9 Bar (130 PSIG) at (121°C) 250°F.



Customized **FILTRATION**

Our know-how and in-house custom fitting capabilities at RODGER supports the blueprint to your success.



TURN AROUND

Products delivered rapidly to international partners.

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FILTERS AND STRAINERS



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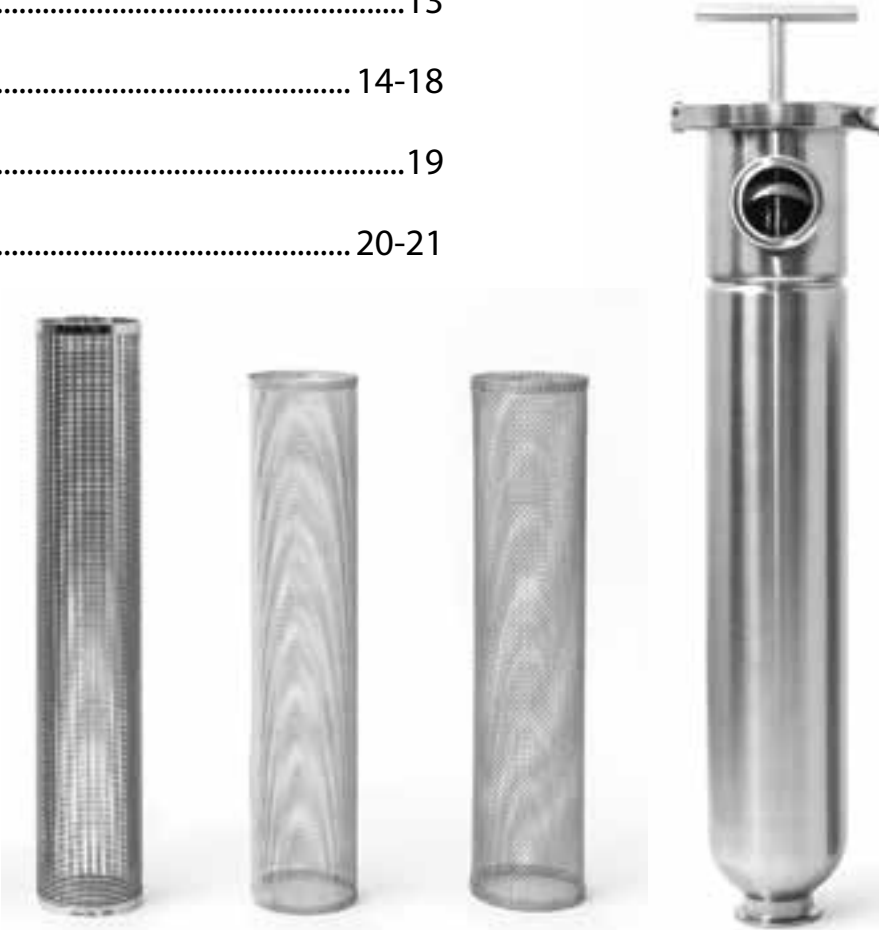
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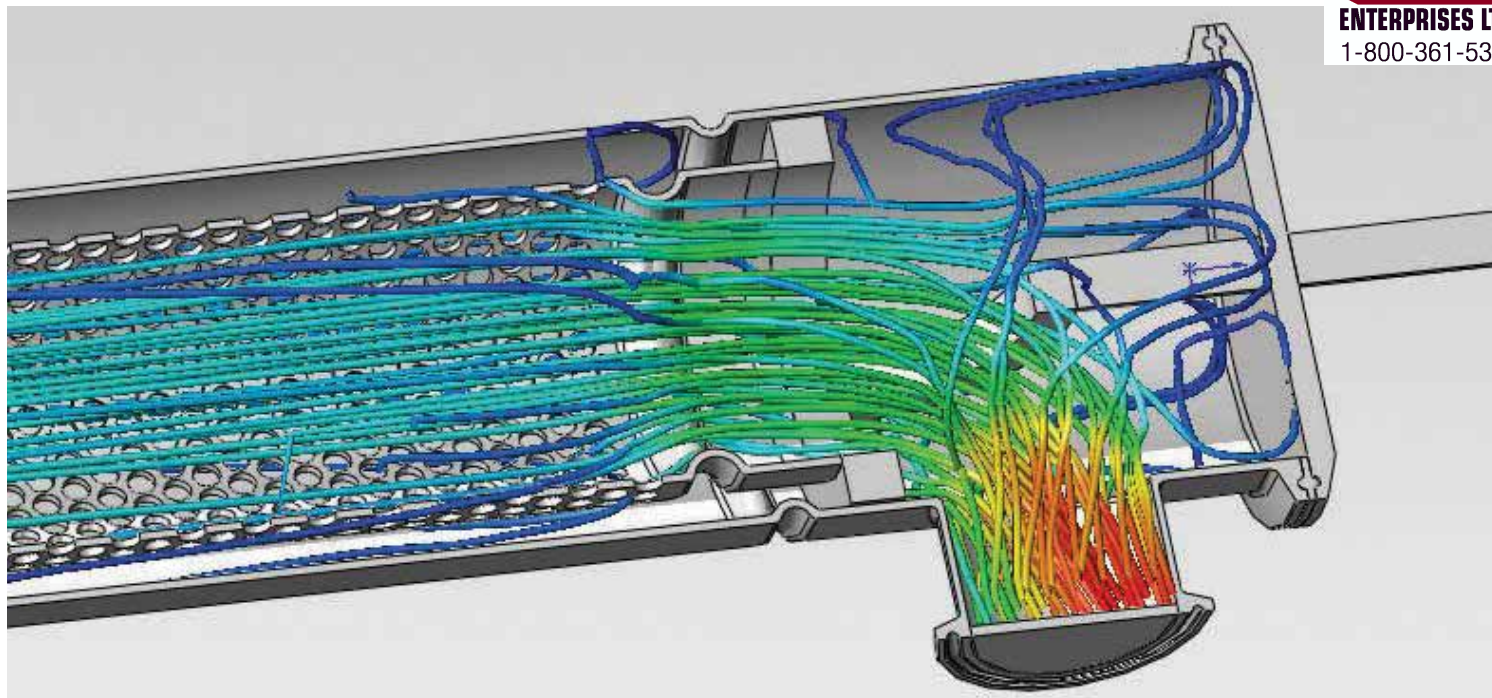
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Our RANGE

Stainless Steel filters and strainers are ideally suited for use in sanitary processing applications within dairy, food, beverage and other hygienic industries. A modular concept allows the process designer the ability to build a product tailored to the application's requirements.



Tee Strainer



**Short
Side Discharge**



**Long
Side Discharge**



**Short
Side Discharge
MEGA**



**Long
Side Discharge
MEGA**



**Dairy
Filter**

Filter MEDIA

Rodger Industries offers a wide range of products suited for use in sanitary processing and other high purity industries, such as Biopharmaceutical and Biotech.



Disposable

Port Sizes and Dimensions

- Standard TC connections: 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm) and 3" (76.2 mm). DIN connections available upon request.
- Side Discharge Filters available with short-17" (43.18 cm) or long-33" (83.82 cm) filter housings.

Materials

T304 Stainless Steel

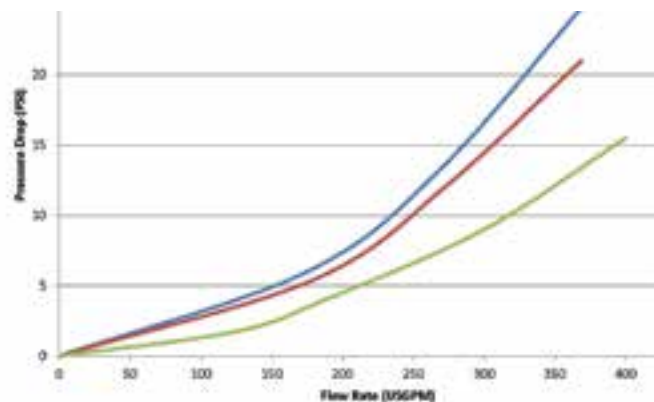
Carbon (C) Max 0.08%
Manganese (Mn) Max. 2.0%
Phosphorus (P) Max. 0.045%
Sulphur (S) Max. 0.030%
Silicone (Si) Max 1.0%
Chromium (Cr.) 18.0-20.0%
Nickel (Ni) 8.0-11.0%
Molybdenum (Mo) -
Nitrogen (N) -
Iron (Fe) Balance -

T316 Stainless Steel

Carbon (C) Max 0.08%
Manganese (Mn) Max. 2.0%
Phosphorus (P) Max. 0.045%
Sulphur (S) Max. 0.030%
Silicone (Si) Max 1.0%
Chromium (Cr.) 16.0-18.0%
Nickel (Ni) 10.0-14.0%
Molybdenum (Mo) 2.0-3.0%
Nitrogen (N) -
Iron (Fe) Balance

Surface

- Inside Diameter: Standard mechanically polished $\leq 20 \mu\text{-in.}$ Ra. (0.5 μm)
- Outside Diameter: Standard mechanically polished $\leq 30 \mu\text{-in.}$ Ra. (0.8 μm)



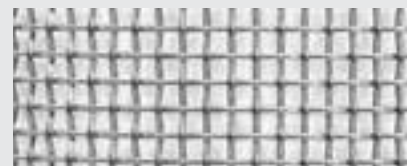
*Contact us directly for information on pressure drops.



Wedge Wire

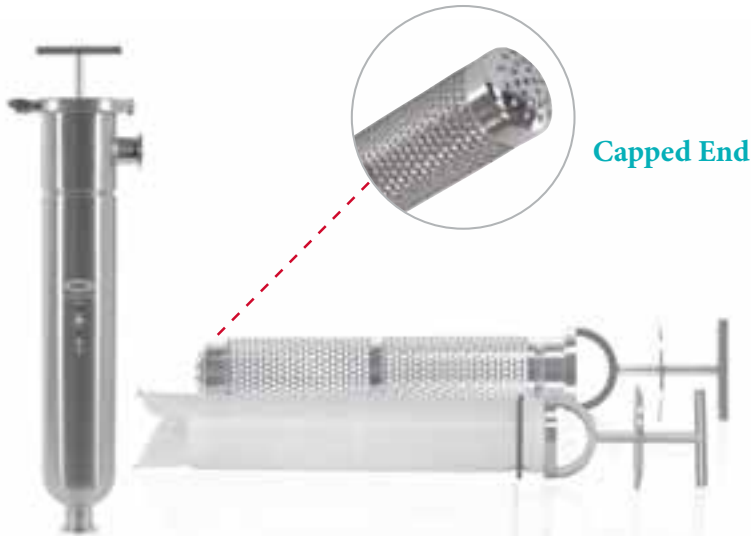


Perforated Metal



Screen Mesh

Model "F" STRAINER

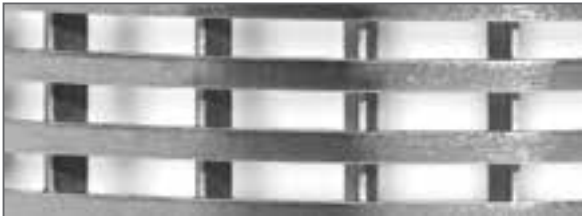


- Model "F" Strainers are to be used with disposable filter media
- Available in 17" (43.18 cm) and 33" (83.82 cm) Filter Bodies
- Available clamp connections: 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm) and 3" (76.2 mm)
- Model "F" group of filters carry Canadian Registration Numbers (CRN) for pressure applicable pressure ratings

Model#	Effective Filter Area	Back-up Tube Hole Size	Percentage of Open Area
F1700CE	1.03 ft ² (0.09569013 m ²)	¼" (6.35mm)	58
F3300CE	2.08 ft ² (0.1932383 m ²)	¼" (6.35mm)	58

To order, specify part number and connection size.

Example: F1700CE-2 ½" (1700 series strainer, 2 ½" (63.5mm) clamp connection)



Model "WW" STRAINER

Wedge Wire Strainers

- Durable stainless steel construction for extended service life
- Available in short and tall strainer sizes and various slot sizes to accommodate a wide range of solids and particle removal from pumpable solutions
- Available clamp connections: 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm) and 3" (76.2 mm)
- Spacing Options: 0.065" (1.651mm), .033" (0.8382mm), .020" (0.508mm), .014" (0.3556mm), .010" (0.254mm), and .007" (0.1778mm) spacing

Strainer Area		Wedge Wire Spacing and Mesh Equivalent			
1.04 ft ² (0.09661916 m ²)	2.09 ft ² (0.1941674 m ²)	Wedge Wire Spacing	Mesh Equivalents	Percent of Open Area	Micron Ratings
Model #	Model #				
WW-17007	WW-33007	0.007in (0.1778mm)	80	10.40	177
WW-17010	WW-33010	0.010in (0.254mm)	60	14.28	250
WW-17014	WW-33014	0.014in (0.3556mm)	50	18.99	355
WW-17020	WW-33020	0.020in (0.508mm)	32	25.00	500
WW-17033	WW-33033	0.033in (0.8382mm)	20	35.48	840
WW-17065	WW-33065	0.065in (1.651mm)	10	52.00	1680

To order, specify part number and connection size.

Example: WW-33014-2" (3300 series strainer, 2" (50.8mm) clamp connection with wedge wire .014 spacing)



Model "PM" STRAINER



Perforated Metal Over-Screens

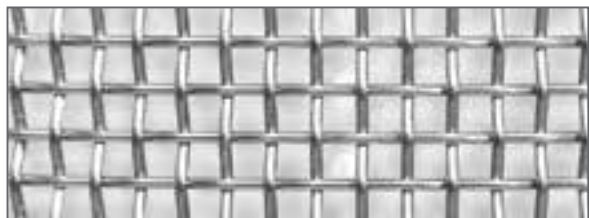
PM Over-Screens are comparable to traditional Wire Mesh Over-Screens. They are available with similar opening sizes and open area percentages as wire cloths, but the materials of construction are very different. The material used to make PM Over-Screens is punched from stainless steel; it is not made of individual wire cloth.

The PM Over-Screen cylinder ends are hemmed to provide a smooth, finished edge for the strainer element. All material is T316 Stainless Steel.

Strainer Area		Wire Mesh Overscreens		
0.97 ft ² (0.09011595 m ²)	2.01 ft ² (0.1867351 m ²)	Opening Width	Percent of Open Area	Micron Ratings
Model #	Model #			
F-PM-1720	F-PM-3320	0.0334in (0.84836mm)	47	848
F-PM-1740	F-PM-3340	0.0157in (0.39878mm)	38	399
F-PM-1770	F-PM-3370	0.0078in (0.19812mm)	28	198
F-PM-1780	F-PM-3380	0.0070in (0.1778mm)	26	178
F-PM-17100	F-PM-33100	0.0052in (0.13208mm)	24	132

To order, specify part number and connection size.

Example: PM1720-1 ½" (1700 series strainer, 1 ½" (38.1mm) clamp connection, with 20 Mesh)



Model "SM" STRAINER

Screen Mesh Strainers

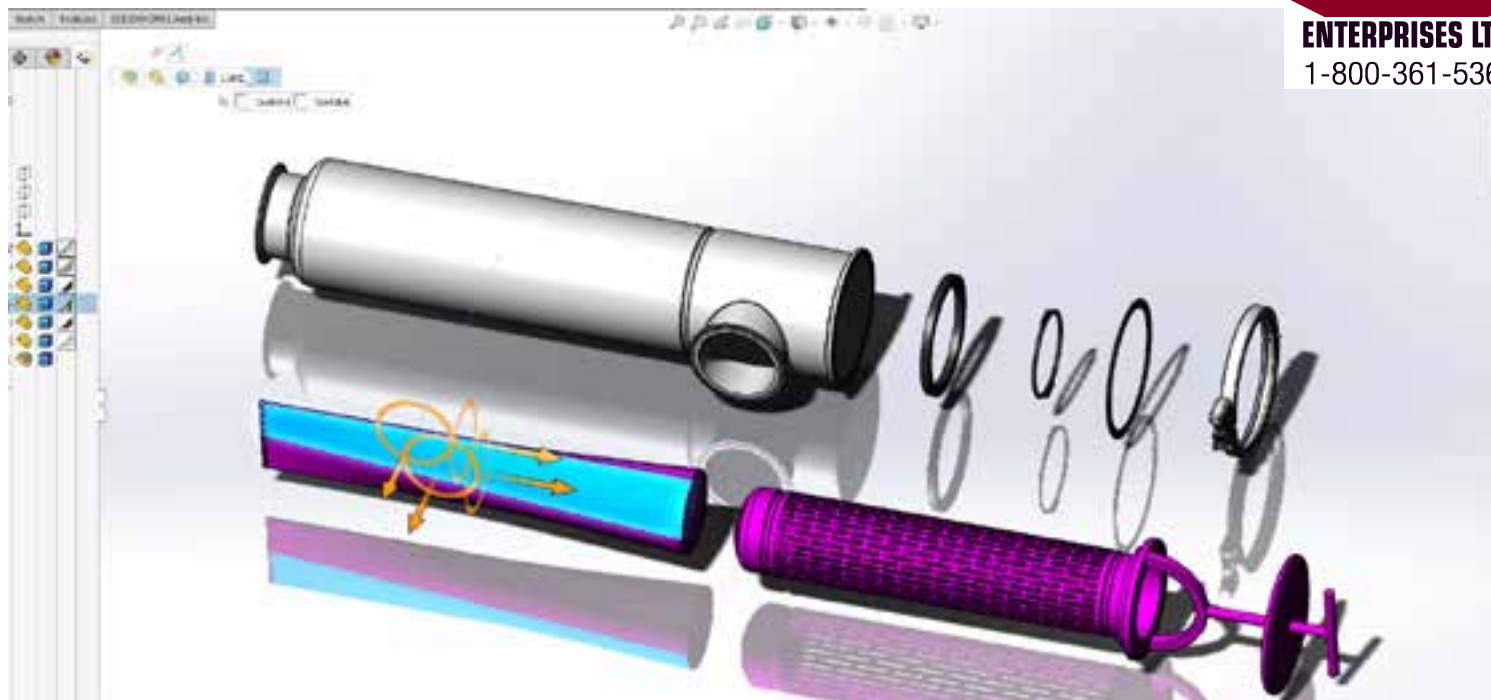
- Durable stainless steel construction for extended service life
- Available in 2 strainer sizes and various slot sizes to accommodate a wide range of solids and particle removal from pumpable solutions
- Available clamp connections: 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm) and 3" (76.2 mm)
- Available in mesh spacing 10, 20, 30, 40, 60, 80 and 100

Strainer Area		Wire Mesh Overscreens			
0.97 ft ² (0.09011595 m ²)	2.01 ft ² (0.1867351 m ²)	Opening Width	Mesh per Linear Inch	Percent of Open Area	Micron Ratings
Model #	Model #				
F-SM-1710	F-SM-3310	0.0750in (1.905 mm)	10	56.3	1905
F-SM-1720	F-SM-3320	0.0340in (0.8636mm)	20	46.2	864
F-SM-1730	F-SM-3330	0.020in (0.508mm)	30	37.2	516
F-SM-1740	F-SM-3340	0.0150in (0.381mm)	40	36.0	381
F-SM-1760	F-SM-3360	0.0092in (0.23368mm)	60	30.3	233
F-SM-1780	F-SM-3380	0.0070in (0.1778mm)	80	31.4	178
F-SM-17100	F-SM-33100	0.0055in (0.1397mm)	100	30.3	140

To order, specify part number and end connection size.

Example: F-SM-1760-1 ½" (1700 series strainer, 1 ½" (38.1mm) clamp connections, with 60 Mesh)





Stainless Steel **MEGA STRAINERS**

Stainless steel MEGA STRAINERS have been designed to facilitate the speed flow of high volume fluids in process facilities. Strainers are available with three different filtering options:

- 1) Disposable Media
- 2) Stainless Steel Wedge Wire
- 3) Stainless Steel Screen Mesh

Body Details:

- Materials: T316 Stainless Steel (Standard)
- 6" Outer-body and 4" Clamp Fittings (DIN available upon request).
- Short and Tall MEGA Strainers 17" (43.18 cm) and 33" (83.82 mm)
- Sanitary finish: Inside diameter mechanically polished $\leq 20 \mu\text{-in. Ra. (0.5 \mu\text{m})$. Outside diameter mechanically polished $\leq 30 \mu\text{-in. Ra. (0.8 \mu\text{m})$
- Side-Discharge features no pipes to disassemble for access to strainer or filter media

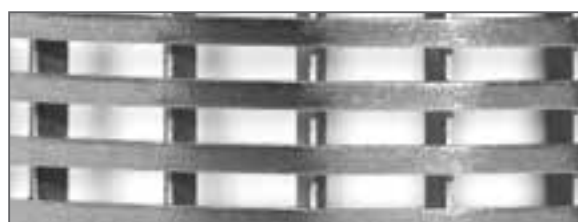


Three Filtration **OPTIONS**



1. Woven & Non- Woven Cloth Filter

Model #	Effective Filter Area	Percent of Open Area
MGF1700CE	1.90 ft ² (0.176516 m ²)	48
MGF3300CE	3.14 ft ² (0.2917155 m ²)	48



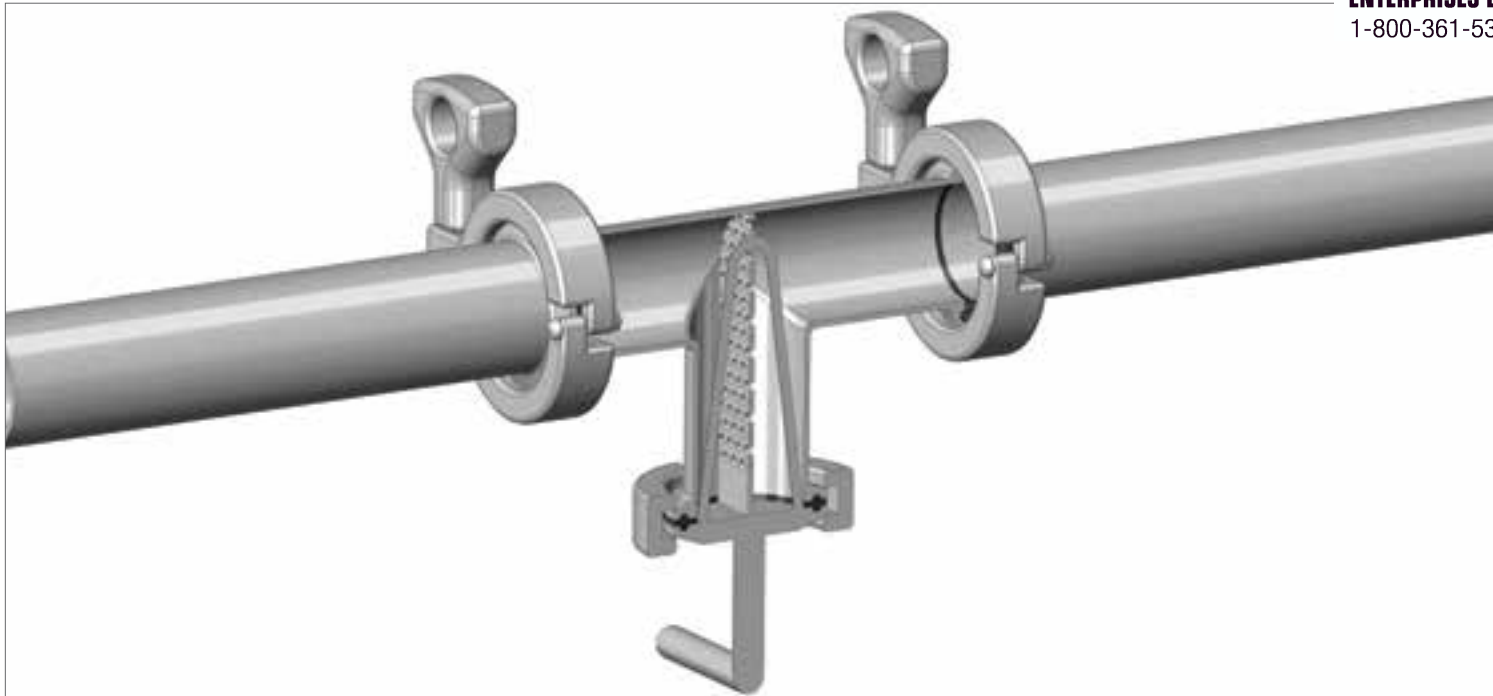
2. Stainless Steel Wedge Wire Series

Strainer Area		Wedge Wire Spacing and Mesh Equivalents			
1.61 ft ² (0.1495739 m ²)	2.92 ft ² (0.27127688 m ²)	Wedge Wire Spacing	Mesh Equivalents	Percent of Open Area	Micron Ratings
Model #	Model #				
MGWW-17014-4	MGWW-33014-4	0.014in (0.3556mm)	50	18.99	355
MGWW-17033-4	MGWW-33033-4	0.033in (0.8382mm)	20	35.48	840
MGWW-17065-4	MGWW-33065-4	0.065in (1.651mm)	10	52.00	1680



3. Stainless Steel Mesh Over-Screen

Strainer Area		Wire Mesh Over-Screens			
1.57 ft ² (0.1458578 m ²)	2.81 ft ² (0.2610575 m ²)	Opening Width (inches)	Mesh per Linear Inch	Percent of Open Area	Micron Ratings
Model #	Model #				
MGF-SM-1710-4	MGF-SM-3310-4	0.0445in (1.1303mm)	10	50.7	1131
MGF-SM-1720-4	MGF-SM-3320-4	0.0340in (0.8636mm)	20	46.2	872
MGF-SM-1740-4	MGF-SM-3340-4	0.0150in (0.381mm)	40	36.2	385



Stainless Steel TEE STRAINER

Model R46T

- Sanitary design
- Screen is easily removed for cleaning without disconnecting strainer body
- T316 stainless steel
- Full Flow – minimum pressure drop
- Simple in-line installation
- Sizes available: 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm) and 3" (76.2 mm)

Strainer Data

- Reinforced 16 gauge stainless steel strainer screen, welded permanently to strainer cap
- Holes .125" (3.175 mm) diameter
- Open Area - exceeds tube ID area





Side Discharge **DAIRY FILTER**

- Spring Style Stainless Steel Side Discharge Strainers are ideally suited for use in dairy farming operations.
- Filters are made of T304 Stainless Steel
- Available in 1" (25.4 mm) and 1.5" (38.1 mm) clamp connections
- Filters large chamber allows for easier filtration
- Provides less back pressure against pump
- Gaskets and O-rings are all food grade approved material

2846A



- 2 1/2" (63.5 mm) Body
- Takes 3" x 23" (76.2 mm x 60.325mm) Filter Sock
- 1" (25.4mm) Inlet and Outlet Clamp Fittings

2847A



- 2" (50.8 mm) Body
- Takes 2 1/4" x 24" (57.15mm x 609.6mm) Filter Sock
- 1 1/2" (38.1 mm) Inlet and Outlet Clamp Fittings

2847B



- 2 1/2" (63.5 mm) Body
- Takes 3" x 23" (76.2 mm x 593.725 mm) Filter Sock
- 1 1/2" (38.1 mm) Inlet and Outlet Clamp Fittings



REPLACEMENT Parts

Filter Body



1700/3300



MEGA 1700/3300



Tee Strainer



Milk Filter

Series	Model	Fitting Size	Part #
1700	All Models	1.5"	SB1715
		2"	SB172
		2.5"	SB1725
		3"	SB173
3300	All Models	1.5"	SB3315
		2"	SB332
		2.5"	SB3325
		3"	SB333
MEGA 1700	All Models	4"	MGB17
MEGA 3300	All Models	4"	MGB33
Tee Strainer	N/A	1.5"	R715
		2"	R72
		2.5"	R725
		3"	R73
Milk Filter	2846A	1"	2846-B2
	2847A	1.5"	2847-A2
	2847B	1.5"	2847-A2

Back-Up Tubes & Handles

Model F
Back-Up TubeWedge Wire
SupportModel PM and
Model SM
Back-Up Tube

Series	Model	Part #
1700	Model F	S017CE
	Model WW	WWSH017
	Model SM	S017
	Model PM	S017
3300	Model F	S033CE
	Model WW	WWSH033
	Model SM	S033
	Model PM	S033
MEGA 1700	Woven	SMG017CE
	Wedge Wire	MGS017
	Mesh	SMG017
MEGA 3300	Woven	SMG033CE
	Wedge Wire	MGS033
	Mesh	SMG033

REPLACEMENT Parts

Elements, Socks & Inserts



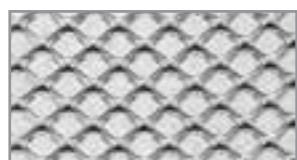
Model F



Model WW



Model SM



Model PM

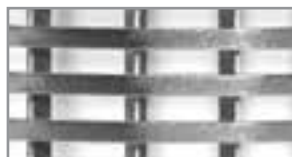
Series	Model	Spacing/Mesh Sizes	Part #
1700	Model F	N/A	F1700 - Filter Sock
	Model WW	65	SEWW17065
		33	SEWW17033
		20	SEWW17020
		14	SEWW17014
		10	SEWW17010
		07	SEWW17007
	Model SM	10	SESM1710
		20	SESM1720
		30	SESM1730
		40	SESM1740
		60	SESM1760
		80	SESM1780
		100	SESM17100
	Model PM	20	SEPM1720
		40	SEPM1740
		70	SEPM1770
		80	SEPM1780
		100	SEPM17100
3300	Model F	N/A	F3300 - Filter Sock
	Model WW	65	SEWW33065
		33	SEWW33033
		20	SEWW33020
		14	SEWW33014
		10	SEWW33010
		07	SEWW33007
	Model SM	10	SESM3310
		20	SESM3320
		30	SESM3330
		40	SESM3340
		60	SESM3360
		80	SESM3380
		100	SESM33100
	Model PM	20	SEPM3320
		40	SEPM3340
		70	SEPM3370
		80	SEPM3380
		100	SEPM33100

REPLACEMENT Parts

Elements, Socks & Inserts (continued)



Woven



Wedge Wire



Mesh



Series	Model	Spacing/Mesh Sizes	Part #
MEGA 1700	Woven	N/A	MGF1700 - Filter Sock
		65	SEMGWW17065
	Wedge Wire	33	SEMGWW17033
		14	SEMGWW17014
		10	SEMGSM1710
	Mesh	20	SEMGSM1720
MEGA 3300		40	SEMGSM1740
	Woven	N/A	MGF3300 - Filter Sock
		65	SEMGWW33065
	Wedge Wire	33	SEMGWW33033
		14	SEMGWW33014
		10	SEMGSM3310
Tee strainer	Mesh	20	SEMGSM3320
		40	SEMGSM3340
	1.5"	N/A	R46TI15
	2"		R46TI2
	2.5"		R46TI25
	3"		R46TI3

Seal Gasket



S104WE



S104E



S104V



S104S

Series	Model	Material	Part #
1700/3300	All Models	White EPDM	S104WE
		Black EPDM	S104E
		Viton	S104V
		Blue Silicone Metal Detectable	S104S
MEGA 1700/3300	All Models	White EPDM	SMG104

Top Seal Gasket



40MPU



40MPFUW

Series	Model	Material	Part #
1700/3300	All Models	Black Buna	40MPU4
MEGA 1700/3300	All Models	Black Buna	40MPU6
Tee Strainer	1.5"	Black Buna	40MPU15
	2"		40MPU2
	2.5"		40MPU25
	3"		40MPU3
Milk Filter	2846A	Flanged White Buna	40MPFUW25
	2847A		40MPFUW2
	2847B		40MPFUW25

REPLACEMENT Parts

Clamps



Series	Model	Part #
1700/3300	All Models	R13HC4
MEGA 1700/3300	All Models	R13HC6
Tee Strainers	1.5"	R13HC15
	2"	R13HC2
	2.5"	R13HC25
	3"	R13HC3
Milk Filter	2846A	R13HC25
	2847A	R13HC2
	2847B	R13HC25

Bale/Retaining Clip



Series	Model	Part #
1700/3300	Model WW	S105
	Model SM	
	Model PM	
MEGA 1700/3300	Wedge Wire	S105
	Mesh	

Gasket Support Disk



Series	Model	Part #
1700/3300	Model SM	S106
	Model PM	S106
MEGA 1700/3300	Mesh	S106

Gasket



Series	Model	Part #
1700/3300	Model SM	S107W
	Model PM	S107W
MEGA 1700/3300	Mesh	SMG107

End & Containment Cap



S109/
SMG109



S108/
SMG108

Series	Model	Part #
1700/3300	Model WW	S109
	Model SM	S108
	Model PM	S108
MEGA 1700/3300	Wedge Wire	SMG109
	Mesh	SMG108

REPLACEMENT Parts

Tabbed O-Ring



Series	Model	Part #
1700/3300	Model F	S102E-CV1
MEGA 1700/3300	Woven	SMG102E-CV1

Filter Head



Series	Model	Part #
Milk Filter	2846A	2847-B4
	2847A	2847-A4
	2847B	2847-B4

Silicone O-Ring



Series	Model	Part #
Milk Filter	2846A	2847-B16
	2847A	2847-A16
	2847B	2847-B16

Filter Spring



Series	Model	Part #
Milk Filter	2846A	2847-B8
	2847A	2847-A8
	2847B	2847-B8

STRAINER Care

Protect unit from damage when used with high speed or positive pumps by use of a by-pass or pressure relief valve.

When pressure drop through the filter unit becomes 2 to 5 psi over normal, the filter media should be changed. The drop in pressure indicates that the filter media is becoming clogged with filtered particles.

A filter or strainer of this type is primarily designed for the removal of various sizes of particles from the product. It is not intended to remove odours or impurities.



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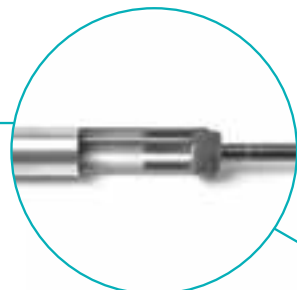
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BIOPHARMACEUTICAL Fittings

Rodger Industries offers a wide range of products suited for use in sanitary processing and other high purity industries. Within the fields of life science, our BPE compliant fitting range complements advancements taking place in biopharmaceutical and biotech processing. Fittings are manufactured and undergo meticulous inspection in our production facility located in Blenheim, Ontario, Canada.

Surface **FINISH**

Fittings offered mechanically polished, $SF1 \leq 20Ra \mu\text{-in}$ ($0.5 \mu\text{-m}$) and electro-polished surface finish, $SF4 \leq 15Ra \mu\text{-in}$ ($0.375 \mu\text{-m}$).



Positive Material **IDENTIFICATION**

Raw materials inspected upon arrival.



High Purity **TUBING**

Fittings are manufactured using T316L Sanitary Stainless Steel with BPE compliant sulphur content.



BPE RANGE



RBP2S
DT- 4.1.1-1



STL14AM7
DT-4.1.4-1



RBP9WWWW
DT- 4.1.2-1

Visual INSPECTION

BPE components are inspected by use of borescope and white light visual inspection.

Max Ra. & SFR

Fittings inspected by use of profilometer to ensure Maximum roughness averages have not been exceeded. Surface Finish Reports (SFR) available upon request.

Complete TRACEABILITY

Material Test Reports (MTR) provide a link to the metallurgical origins of the raw components produced by the steel mill.

Customized BPE COMPONENTS

Our know-how and in-house custom fitting capabilities at RODGER supports the blueprint to your success.

RBP7WWSC
DT- 4.1.2-2

RBP32CE



Let's CONNECT

For a complete listing of our product range please visit us at www.rodgerindustries.com

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