



# PRODUCT CATALOG

RUSCO.COM | 1.800.345.1033





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## The Clear Leader in High Quality, Efficient, Water Filtration Products

Rusco is a leading manufacturer of high quality, efficient, sediment filtration products and accessories. We strive to always exceed our customers' expectations of quality and service and to provide the most effective solutions in the water filtration market.

Four decades in the making, Rusco has set the standard for sediment filtration. This foundation follows a tradition of designing and manufacturing filters for a number of industries across a wide variety of applications.

We not only house a team dedicated to meeting the needs of our customers today, but we consistently expand upon our Spin-Down™ filter housing to meet emerging potable water filtration needs.



Our commitment to quality, innovation, and family is reflected in our choice to manufacture all of our products in the United States of America since Russ Welte engineered our first filter in 1983.

Today, nearly 40 years after that first filter was made, our filters are sold around the world, and Rusco is recognized as an international leader in both quality and price for screen type filtration systems.

SINCE  
1983



# Filter Applications



## Residential

Quality of life depends on the quality of water entering a home. The water used in homes every day needs to be free from debris that can wreak havoc on plumbing and water using appliances.



## Light Commercial

Our filters are capable of the heavy-lifting needed to keep light commercial filtration systems operational longer. Extending the life of an entire system protects the investment and reduces cost.



## Irrigation & Ag

Extending the life of an irrigation system can save lots of time and money. Our filters will remove sediment that over time can cause damage to emitters or drippers.

# The Rusco Spin-Down™ Difference

## ✓ Defined by Durability

For nearly 40 years Rusco sediment filters have earned the reputation of being the most durable sediment filter of choice. From the very beginning, Rusco filters were designed to be an easy-to-maintain sediment filter.

## ✓ Spin-Down® Technology

Water travels through the top of a Spin-Down™ filter and spins in a centrifugal motion causing the dirt and debris to be pushed to the outside of the housing, settling at the bottom.

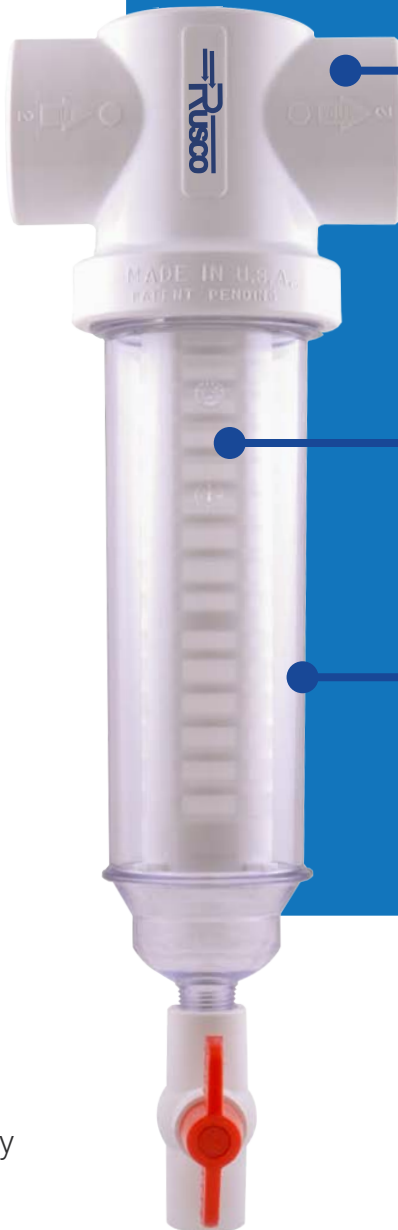
## ✓ No Need to Replace Filters

Rusco's polyester and stainless steel screens are removable so if the flush doesn't clean the filter completely it can easily be removed from the housing, cleaned and reinstalled in minutes; saving time and money on costly replacement filters.

## ✓ Convenient Cover Design

Our covers are made with a durable thermoplastic construction with high chemical and heat resistance and are clear to provide visibility of debris buildup.

## What Makes a Rusco Filter?



### Filter Body

Rusco™ SPIN-DOWN™ Sediment Filter bodies are PVC material in 3/4" FPT, 1", 1-1/2" and 2" slip by slip connections in and out. Bushings are available to convert 1", 1-1/2" and 2" slip by slip connections to female pipe thread.

### Filter Element

Polyester and stainless steel element screens are available in many mesh sizes to meet your requirements.

### Clear Cover

Rusco™ Sediment Filter covers are made of high impact polymer resin for maximum strength and durability.

## MESH/MICRON SIZING

Mesh	Microns*	Opening
24	711	.028"
30	533	.021"
40	381	.015"
60	254	.010"
100	152	.006"
140	104	.004"
200	74	.0029
250	61	.0024"
500	30	.0012"
1000	15	.0006"

All mesh size except 24 and 40 are available in stainless steel.

\*Micron sizes are approximate

## Spin-Down™ Filters



### Spin-Down™ Filter Sizes

Body Size	3/4"	1"	1.5"	2"
Filter Length	11-3/8"	11-3/8"	15-3/8"	17-7/8"
Filter Width	5"	5"	5-1/4"	5-1/2"

- ▶ Sediment is visible through the clear cover indicating when the filter needs cleaning.
- ▶ Sediment is quickly and easily removed by opening the ball valve at the bottom of the filter cover.
- ▶ Reusable polyester and stainless steel element screens in many mesh sizes from very fine to very coarse.

## Sediment Trapper™ Filters



Extra capacity for larger amounts of sediment.

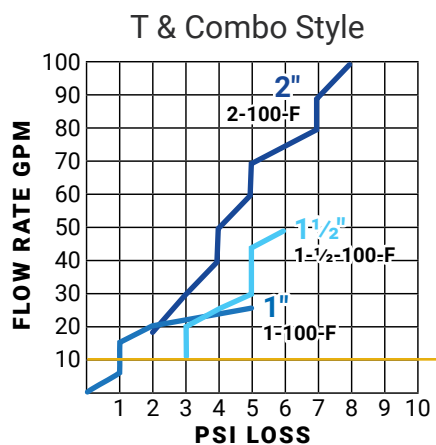
### Sediment Trapper™ Filter Sizes

Body Size	3/4"	1"	1.5"	2"
Filter Length	14-3/8"	14-3/8"	15-3/8"	17-7/8"
Filter Width	5"	5"	5-1/4"	5-1/2"

- ▶ Unique element design traps sediment in lower reservoir of clear cover.
- ▶ Clear bowl easily removed for total cleaning (No tools required\*).
- ▶ Easily convert a 1-1/2" or 2" Spin-Down filter into a Sediment Trapper by simply replacing the element.

\*Using tools voids warranty.

## Pressure Loss Graph



Rusco filters  
provide for very  
low pressure loss.

Standard home use.

# Benefits of Spin-Down™ Filters



Our highly flexible filters are designed to be utilized in a wide variety of potable water filtering applications. Whether your water source is a well, lake or municipality, Rusco Sediment Filters will do the heavy lifting, keeping sediment from causing damage in your home.

- ▶ Sediment is visible through the clear cover indicating when the filter needs cleaning.
- ▶ Clear cover is easily removed for total cleaning – no tools required.\*
- ▶ Reusable polyester and stainless steel element screens in many mesh sizes from very fine to very coarse.
- ▶ No cartridges to dispose of.

*\*Using tools voids warranty.*

## Applications Include:

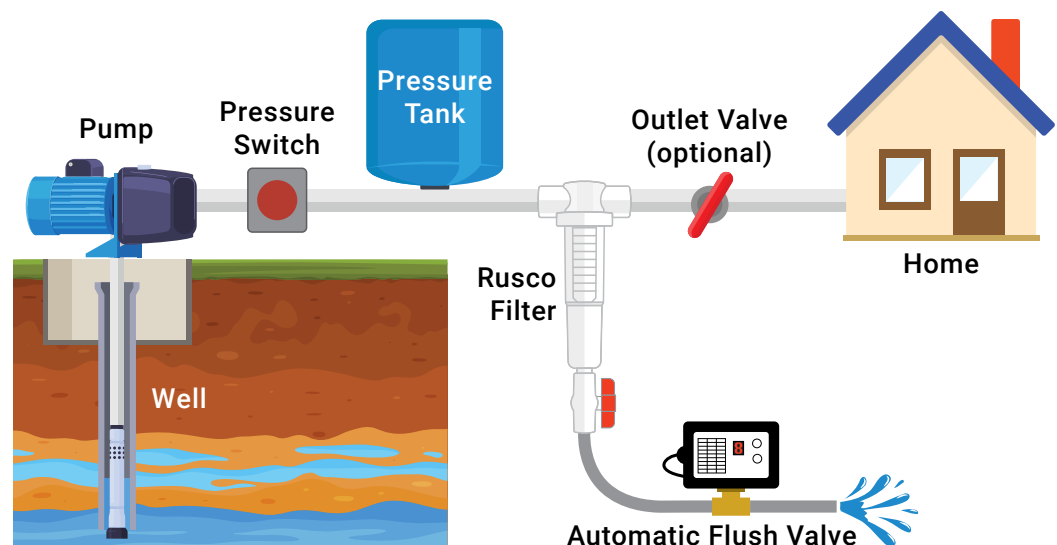
Protecting Well  
Water & Plumbing  
Systems

Pre-Treatment For  
Additional Water  
Quality Products

Protecting  
Appliances From  
Damaging Sediment

## Well Water System Featuring a Rusco Spin-Down™ Filter

The Rusco Spin-Down™ or Sediment Trapper™ filter will be an integral part of your well water filtration system.





## T-Style

Most popular design used for straight through plumbing.



**2"  
Spin-Down™**



**1.5"  
Spin-Down™**



**1"  
Spin-Down™**



**3/4"  
Spin-Down™**

Flow Rate

18-100 GPM

10-50 GPM

1-25 GPM

1-25 GPM

Size

17 7/8" L X 5 1/2" W

15 3/8" L X 5 1/4" W

11 3/8" L X 5" W

11 3/8" L X 5" W

Inlet/Outlet Size

2" SLIP

1.5" SLIP

1" SLIP

3/4" FPT



**2"  
Sediment  
Trapper™**



**1.5"  
Sediment  
Trapper™**



**1"  
Sediment  
Trapper™**



**3/4"  
Sediment  
Trapper™**

Flow Rate

18-100 GPM

10-50 GPM

1-25 GPM

1-25 GPM

Size

17 7/8" L X 5 1/2" W

15 3/8" L X 5 1/4" W

14 3/8" L X 5" W

14 3/8" L X 5" W

Inlet/Outlet Size

2" SLIP

1.5" SLIP

1" SLIP

3/4" FPT

## Other Configurations

### Combo Style

Allows for adjustable plumbing configurations.



**2"  
Spin-Down™**



**1.5"  
Spin-Down™**



**2"  
Sediment  
Trapper™**



**1.5"  
Sediment  
Trapper™**

Flow Rate

18-100 GPM

10-50 GPM

18-100 GPM

10-50 GPM

Size

18 7/8" L X 5 1/2" W

16 5/8" L X 5 1/4" W

18 7/8" L X 5 1/2" W

16 5/8" L X 5 1/4" W

Inlet/Outlet Size

2" SLIP

1.5" SLIP

2" SLIP

1.5" SLIP

### L-Style

For use in jet pump applications.



**2"**



**1.5"**



**2"  
Sediment  
Trapper™**



**1.5"  
Sediment  
Trapper™**

Flow Rate

0-100 GPM

0-50 GPM

35-90 GPM

5-20 GPM(LP)  
15-40GPM (HP)

Size

18" L X 5 1/2" W

14 7/8" L X 4 1/2" W

18" L X 5 1/2" W

14 7/8" L X 4 1/2" W

Inlet/Outlet Size

2" SLIP

1.5" SLIP

2" SLIP

1.5" SLIP

# Chemical Resistant Filters



Chemical Resistant Filters make the removal of particles simple and efficient. This filter cover is designed specifically to resist chemicals or corrosives and can handle large volumes of sediment. With a transparent cover, sediment buildup can be seen easily and flushed when needed. The cover is removable by hand without the use of tools. The unique spin-down action cleans the filter as water flows through.









## Applications Include:

Cooling Towers  
Using Corrosive  
Additives

Well Water Filtration  
In Areas Of High Iron  
Or Sulfur Content

Car Wash Facilities  
Using Reclaimed  
Water

Chemical  
Feed Systems

				
	<b>2" Spin-Down™</b>	<b>1.5" Spin-Down™</b>	<b>1" Spin-Down™</b>	<b>3/4" Spin-Down™</b>
Flow Rate	18-100 GPM	10-50 GPM	1-25 GPM	1-25 GPM
Size	17 7/8" L X 5 1/2" W	15 3/8" L X 5 1/4" W	11-3/8" L X 5" W	11-3/8" L X 5" W
Inlet/Outlet Size	2" SLIP	1.5" SLIP	1" SLIP	3/4" FPT
				
	<b>2" Sediment Trapper™</b>	<b>1.5" Sediment Trapper™</b>	<b>1" Sediment Trapper™</b>	<b>3/4" Sediment Trapper™</b>
Flow Rate	18-100 GPM	10-50 GPM	1-25 GPM	1-25 GPM
Size	17 7/8" L X 5 1/2" W	15 3/8" L X 5 1/4" W	14 3/8" L X 5" W	14 3/8" L X 5" W
Inlet/Outlet Size	2" SLIP	1.5" SLIP	1" SLIP	3/4" FPT

# Hot Water Filters



- ▶ Flush valve allows for quick, one-step sediment removal
- ▶ Clear cover shows sediment collected by the filter element
- ▶ Thermoplastic construction has high chemical resistance
- ▶ Durable, reusable stainless steel filter elements are available in 30, 60, 100, 140 and 200 mesh sizes
- ▶ No tools required as all parts are hand tighten only
- ▶ Maximum pressure: 150 PSI at 73°F (23°C)
- ▶ Maximum temperature: 220°F
- ▶ Flow rates: 1-100 gallons per minute

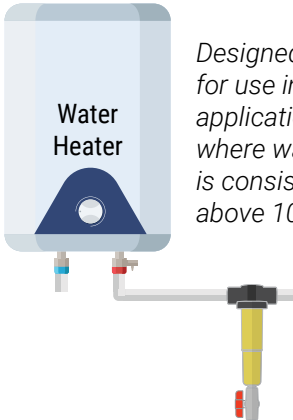
**Applications Include:**

Hydronic Heating Systems

Outdoor Wood Boilers

Water Heaters





Instantaneous Water Heaters



*Designed for use in applications where water is consistently above 100°F*

## Rusco Filters vs. Y-Strainers: A Clear Advantage

	Rusco Filter	Y-Strainer
Protects expensive equipment from harmful sediment	✓	✓
Variety of filter sizes offered	✓	✓
Large filter surface area	✓	✗
Convenient cleaning with a built-in flush valve	✓	✗
See built up sediment through a transparent body	✓	✗

	 1.5" Spin-Down™	 1.25" Spin-Down™	 3/4" Spin-Down™	 3/4" Sediment Trapper™
Flow Rate	18-100 GPM	10-50 GPM	1-25 GPM	1-25 GPM
Size	17 7/8" L X 5 1/2" W	15-3/8" L X 5-1/4" W	11-3/8" L X 5" W	14-3/8" L X 5" W
Inlet/Outlet Size	1.5" FPT	1.25" FPT	3/4" FPT	3/4" FPT

# Heavy Duty Filters



Rusco's Heavy Duty, or 'HD' filters are the ultimate in durability. HD filters can be used in domestic or commercial water supplies where the sediment is very abrasive. Rusco's HD filters include all of the standard features found in other lines.

## Applications Include:

Heavy Sediment

Irrigation/Ag  
Applications

Decorative Ponds  
& Water Features

Non-water fluid  
applications

Industrial process  
applications

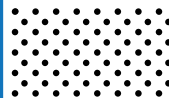
## Specifications

Size	Model No.	Length	Width
1"	1-*SS-F	11 <sup>3</sup> / <sub>8</sub> "	5"
1 1/2"	1-1/2-*SS-F	15 <sup>3</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>4</sub> "
2"	2-*SS-F	17 <sup>7</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>2</sub> "

\* Indicated perforation or mesh size when ordering

## Perforation Size Examples

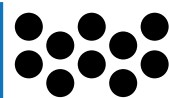
.046



.063



.156



## Stainless Micron & Perforation Sizes

Mesh / Perf	Micron*	Opening	Fraction
.156	3,962	.156"	5/32"
.063	1,600	.063"	1/16"
.046	1,200	.046"	1/22"

\* Micron sizes are approximate

## Ordering Information

- ▶ Order complete perforated filters by replacing mesh in standard part number with perforated opening size
- ▶ Also available with high performance covers



# Automatic Ball Valves

Powerful Solutions for Variety of Applications

## Automatic Purge Valve



Turn your Rusco Spin-Down Filter into a Convenient, Touch Free System

## Automatic Flush Valve



Sector	Key Applications
Water Treatment	Backwashing, chemical dosing, RO systems, sludge management, distribution control
Plumbing	Smart shutoff, hot water recirculation, flush valves, water softener regeneration
Water Wells	Pump control, backflow prevention, pressure tank management
Livestock	Automated watering, line flushing, cooling systems
Agriculture	Irrigation, fertigation, hydroponics, greenhouse watering, chemical injection
Manufacturing	Cooling systems, process water control, CIP systems, boiler feedwater, wastewater

### SPECIFICATIONS

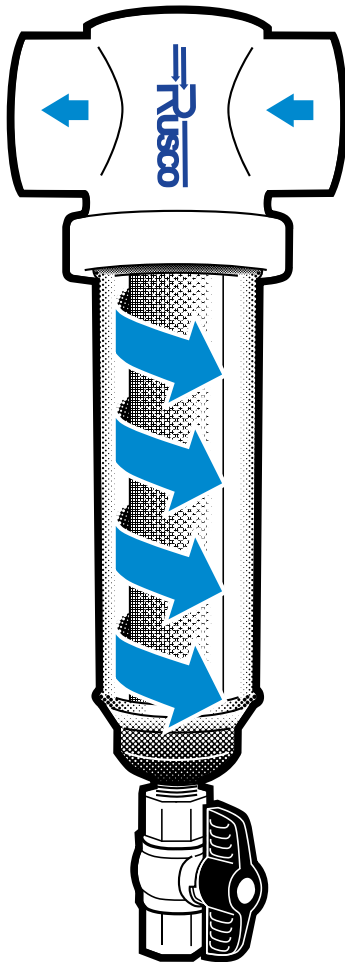
Model No: ..... 1/2-APV, 3/4-APV, 1-APV  
Adjustable cycle time ..... Programmable  
Max Pressure ..... 145 PSI  
Seals ..... FKM & PTFE  
Valve Construction ..... SS304  
Full-Port Ball Valve ..... 1/2", 3/4", 1"  
Valve open time ..... Up to 99:59:59  
Valve close time ..... Up to 99:59:59  
Operating Voltage ..... 9-24V AC/DC  
Current Draw ..... 500mA Max  
Included Adapter Output ..... 12V DC, 1A (compatible)  
Adapter Input ..... 100-240V AC, 50/60 Hz, 0.5A Max

### SPECIFICATIONS

Model No: ..... AFV  
Adjustable cycle time ..... 1 min. - 14 days  
Working Pressure ..... 200 PSIG  
Ambient Temperature ..... 35°F to 165°F  
Enclosure ..... Nema 4  
Valve Construction ..... Lead Free Brass NSF/ANSI 372  
Seals ..... Reinforced Teflon  
Discharge Volume .. 1/2" NPT (<1 Gal per cycle @ 30 PSI)  
Power adapter ..... 120V AC 20'  
Full-Port Ball Valve ..... 1/2" NPT  
Discharge Time ..... 7 seconds (Non-Adjustable)  
Voltage ..... 100V-240V, 50/60HZ  
Current ..... 0.83 Amps



# Sizing and Selecting the Right Spin-Down System



*Use the below information for selecting the correct filter for your application.*

## *What is your typical flow rate?*

- ▶ **1-25 GPM:** Choose 1"
- ▶ **10-50 GPM:** Choose 1-1/2"
- ▶ **18-100 GPM:** Choose 2"

## *Is your sediment primarily sand?*

- ▶ Choose a polyester element.

## *Is your sediment sticky?*

- ▶ Choose a stainless steel element.

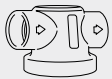
## *Does your water contain harsh chemicals or does your application consist of reclaimed water?*

- ▶ Choose a chemical resistant filter.

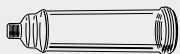
## *Is your water temperature above 100°F?*

- ▶ Choose a hot water filter.

## WORDS TO KNOW



**Body:** The head of the filter that connects directly into the plumbing.



**Cover:** The clear housing that screws into the body.



**Element:** The polyester or stainless steel mesh screen that connects to the body.



**O-Ring:** The seals that are a part of the system, one of which is at the end of the element and the other at the end of the cover.

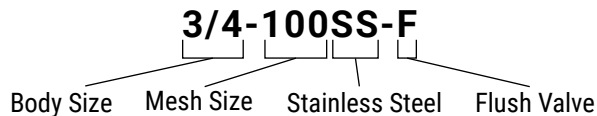


**Flush Valve:** The manual valve that screws onto the bottom of the cover for purging sediment out of the system.

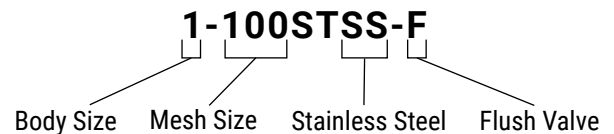
# Ordering Information

## Model Numbers

**Spin-Down™** model filters are ordered by filter body size and mesh size. When ordering stainless steel element, add SS to part number.



When ordering a **Sediment Trapper™** model filter use filter body size, mesh size, ST designation, and if stainless steel element screen is desired, add SS.



## Conditions of Sale

All accounts past 30 days from date of invoice are subject to a 1-1/2% per month service charge.

**Returned Goods:** No returns accepted without prior approval. Please call for Return Authorization Number. Returned goods are subject to a 20% handling charge. All return shipments must be freight pre-paid.

**Minimum Order:** \$25.00 Net

## Warranty & Disclaimer

RUSCO warrants, to the original purchaser, that its products will be free from original defects in material and workmanship. RUSCO will repair or replace all parts without charge, found to be defective under normal use and service within the warranty period upon return of products at customer's expense. The components of all RUSCO products are warranted for a period of 12 months from date of original sale. RUSCO's liability is solely limited to the original cost of the part. RUSCO will not be responsible for incidental or consequential damages. No agent or representative has the authority to waive or alter this printed warranty. **THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.** RUSCO reserves the right to redesign or modify its products without incurring further liability. Prices are subject to change at any time without notice.

**USE OF TOOLS WILL VOID WARRANTY – HAND TIGHTEN ONLY.**

## MESH/MICRON SIZING

Mesh	Microns*	Opening
24	711	.028"
30	533	.021"
40	381	.015"
60	254	.010"
100	152	.006"
140	104	.004"
200	74	.0029
250	61	.0024"
500	30	.0012"
1000	15	.0006"

All mesh size except 24 and 40 are available in stainless steel.

\*Micron sizes are approximate



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