



# Hot Water Filtration System

*Filter out magnetite before it turns into sludge.*



Installing a Rusco Hot Water Spin-Down or Sediment Trapper filter on the return line, before the heat exchanger, will help to prevent the build-up of sludge by ensuring small particles are filtered out and flushed away.

## ✓ 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 housing, settling at the bottom.

## ✓ No Need to Replace Filters

Rusco's 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 designed with a durable thermoplastic construction with high chemical and heat resistance (up to 220°F @ 40 PSI) and is clear to provide visibility of debris buildup.

## 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	✓	✗

## APPLICATIONS INCLUDE:

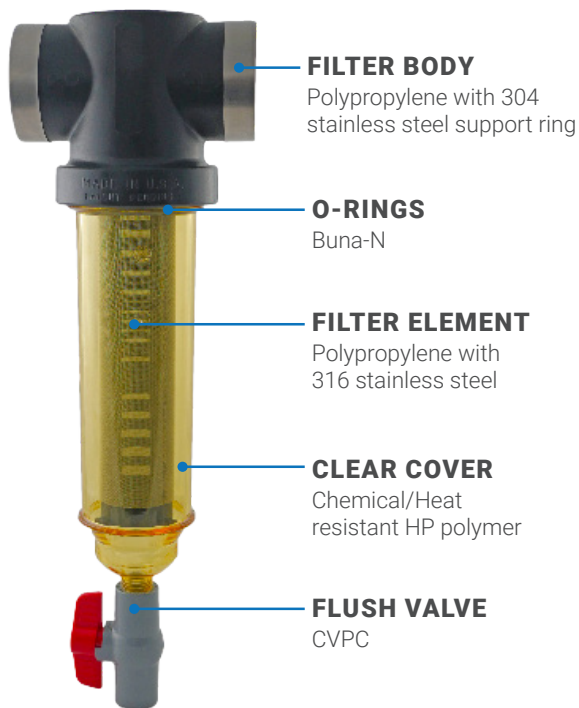
HYDRONIC  
HEATING SYSTEMS

OUTDOOR  
WOOD BOILERS

WATER  
HEATERS

INSTANTANEOUS  
WATER HEATERS

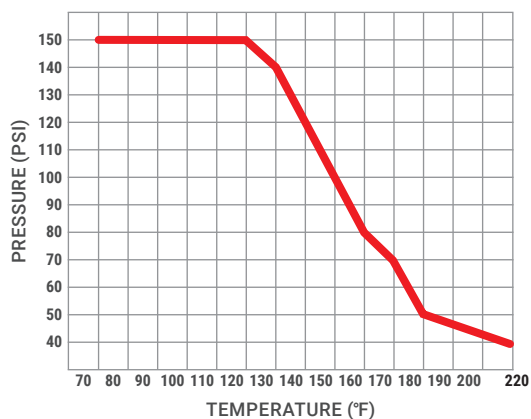
# RUSCO HOT WATER FILTER SPECIFICATIONS



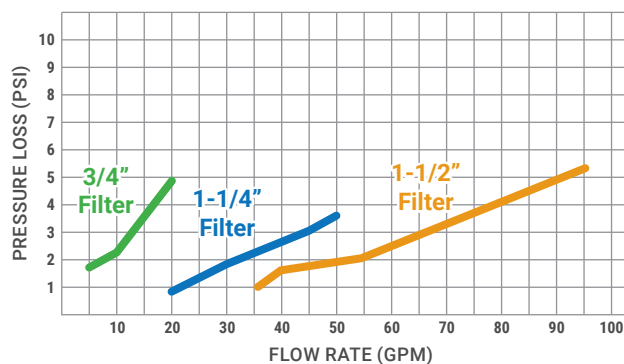
Part No.	Length	Width	Flow Rate
3/4-{Mesh#}HT-P	11-3/8"	5"	1-25 GPM
3/4-{Mesh#}STHT-P	14-3/8"	5"	1-25 GPM
1-1/4-{Mesh#}HT-P	15-3/8"	5-1/4"	10-50 GPM
1-1/2-{Mesh#}HT-P	17-7/8"	5-1/2"	18-100 GPM

- 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 temperature: 220°F (104°C) @ 40 PSI
- Maximum pressure: 150 PSI at 73°F (23°C) **cold water**
- Flow rates: 1-100 gallons per minute

Pressure and Water Temperature



Pressure Lose and Flow Rate



## Leading manufacturers of heating systems know the importance of a great pre-filtration system:

"When connecting the boiler to an existing system, a dirt particle filter must definitely be installed in the return circuit."

**BUDERUS**

"Warranty excludes damage caused by water that contains excessive lime, calcium or other contaminants."

**SLANT/FIN**

"On any pre-existing system it is a good practice to install a field supplied strainer to prevent damage to the heat exchanger."

**LOCHINVAR**