"Spin-Down" 3/4", 1-1/4" and 1-1/2" Hot Water Filters
The "Rusco Spin-Down" Hot Water Sediment Filters are the ideal filters to remove sediment and are cost efficient. These high quality Hot Water Filters offer years of clean water without expensive element replacement. The clear cover allows sediment to be visible and indicates when flushing is necessary. Now you can have filtered hot water with one step purging and reusable elements.

SPECIAL FEATURES
- Centrifuge Spin Down ~ type sediment separation
- Flush valve allows quick one step purge cleaning
- Clear cover shows sediment collected by the screened element
- Thermoplastic construction has high chemical resistance
- Maximum pressure 150 PSI @ 73°F (23°C)
- Maximum temperature 200°F (93°C) @ 40 PSI
- Flow rates 1-100 gallons per minute
- Durable reusable filter elements are screened with stainless steel which is available in five mesh sizes
- No tools required as all filters parts are Hand tightened* only

*Using tools voids warranty

TYPES OF APPLICATIONS
- Outdoor furnaces (wood, coal or corn)
- Cooling towers
- Domestic/Commercial hot water heaters
- Heat exchangers
- Hydronic radiant floor heating systems
- Industrial (Machine Coolant and Cutting Fluids)
- Spas/Jacuzzis
Specifications

Filter Body - Polypropylene with 304 stainless steel support ring

Clear Cover - Chemical/Heat resistant HP polymer

O-Rings - Buna-N

Filter Element - Polypropylene with 316 stainless steel mesh
Mesh sizes available: 30, 60, 100, 140, 200

Flush Valve - CPVC

All Models - 10 per case
Each filter individually boxed

Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>* Length</th>
<th>Width</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4-(mesh)HT-F</td>
<td>11-3/8&quot;</td>
<td>5&quot;</td>
<td>1-25 gpm</td>
</tr>
<tr>
<td>3/4-(mesh)STHT-F</td>
<td>14-3/8&quot;</td>
<td>5&quot;</td>
<td>1-25 gpm</td>
</tr>
<tr>
<td>1-1/4-(mesh) HT-F</td>
<td>15-3/8&quot;</td>
<td>5-1/4&quot;</td>
<td>10-50 gpm</td>
</tr>
<tr>
<td>1-1/2-(mesh) HT-F</td>
<td>17-7/8&quot;</td>
<td>5-1/2&quot;</td>
<td>18-100 gpm</td>
</tr>
</tbody>
</table>

*Length includes Flush Valve

ALL INLETS/OUTLETS ARE FNPT ONLY

Maximum operating pressure 150 PSl at 73°F (23°C)

FLOW RATE - GPM FOR ALL MODELS

Rusco Filters are proudly made and assembled in the USA

13360 Chambord Street Brooksville, FL 34613 USA
1-800-345-1033 • (352)597-2522 • Fax:(352)596-9489
Email info@rusco.com Website www.rusco.com
HOT WATER FILTER
INSTALLATION INFORMATION

General Installation Information:
1. The filter should be installed in a location that protects it from damage. Such as impact, freeze, excessive heat, chemical contact and water hammer.
2. Install the filter in the preferred vertical position with the purge outlet pointing down. The filter will work in the horizontal position if unable to be installed vertically. Do not install the filter with the purge outlet pointing up past the horizontal position.
3. The filter should be installed where the it can be accessed for proper cleaning and maintenance. A union needs to be installed on the purge outlet drain plumbing to allow for filter cover removal and screen element cleaning.
4. Install the filter on the pressure (discharge) side of the pump to allow the filter to be cleaned by purging collected sediment through the flush valve.

Cleaning Instructions:
1. The primary method of cleaning the filter is purging collected sediment through the CPVC flush valve to a safe drain location by opening the purge valve while the filter is under systems pressure. The purging process can be done manually or automated with an electric valve and timer.
2. The filter element may need to periodically be removed and cleaned. To remove the filter element, turn off the water supply, drain hot water and allow parts to cool. Unscrew the clear cover and remove the filter screen. Flush off the screen with a water spray. If needed, remove fine particles wedged in the screen with a soft brush. Apply silicone grease to o-rings and reassemble. (Hand tighten only)

Cautions:
1. Hot water in contact with the filter should not exceed 200F (93 C) at 40 PSI working pressure.
2. Hot water purged through the CPVC flush valve must be drained to a safe location. Severe burn or injury may result from an unsafe drain location. Do not use a brass or metal ball valve for the flush valve. Use a CPVC valve for high temperatures only.
3. Do not use wrenches on plastic filter parts. Use of tools will void warranty. Hand tighten only on all filter parts. Follow industry wide thread tightening recommendations for plastic pipe thread connections. Manufacturers of pipe fittings recommend that plastic thread joints be assembled by applying a non-hardening teflon thread sealant to the thread and turning the fitting one to two turns past finger tight.
4. Fluids other than water and some chemicals within water can degrade the filter components. Degraded filter components may lead to failure. Chemicals and plastic filter components should be evaluated with our chemical resistance chart along with the actual installation conditions for proper chemical compatibility.
5. Some pipe thread sealants often contain chemicals that are not compatible with our filter components. Teflon tape or virgin teflon paste should be the only pipe thread sealant used. Threaded filter connections that have o-ring seals do not require thread sealant.
6. Some o-ring lubricants can contain chemicals that are not compatible with our filter components. Silicone grease (Dow 111) should be the lubricant used on the o-rings.

Ver.11/00
Cleaning sediment from your filter is easy. Simply open the purge valve for a few seconds.

Purging the filter works best when the system is under pressure. In the event that the filter must be purged when pressure is being relieved downstream (e.g., sprinklers, shower) some debris may remain stuck to the element. Partially or fully closing an outlet valve while purging will allow debris to better become dislodged from the element and exit through the purge valve.

*Note: To avoid water-hammer always close the valves slowly.*

Ensure proper drain lines are installed. Purged water may be hot.

**WARNING!**
This product is designed for use with hot water up to 200°F. Take care to ensure that proper drain lines are installed in order to avoid purged hot water from burning yourself or others.

**ATENTION!**
Le produit est conçu pour être utilisé avec de l’eau chaude à 93 ºC. Assurez-vous que des tuyaux d’évacuation appropriés sont installés pour prévenir la fuite d’eau chaude ça fait mal vous ou d’autres.

**PRECAUCIÓN!**
El producto está diseñado para ser utilizado con agua caliente, hasta 93ºC. Asegúrese que líneas de drenaje apropiadas estén instaladas para evitar que el agua caliente de purga lo hiera a usted o a otros.

**Recommend Filter Sizes**

<table>
<thead>
<tr>
<th>Size</th>
<th>GPM</th>
<th>LPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot; Filter</td>
<td>18-100 GPM</td>
<td>4000-23000 LPH</td>
</tr>
<tr>
<td>1.25&quot; Filter</td>
<td>10-50 GPM</td>
<td>2200-12000 LPH</td>
</tr>
<tr>
<td>.75&quot; Filter</td>
<td>1-25 GPM</td>
<td>200-5700 LPH</td>
</tr>
</tbody>
</table>

**Recommended Filter Sizes**

It is highly recommended to choose the filter that best matches the flow rate for your application. This will help ensure SpinDown™ action.

**SUN SHIELD™**
Sunny installation giving you algae problems? The SunShield™ is designed to wrap around the clear cover to help prevent algae growth inside the housing.