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› [SimPure](#) /

› [SimPure 40/200 Micron Spin Down Sediment Filter Instruction Manual](#)

SimPure DC5P-40/200

SimPure 40/200 Micron Spin Down Sediment Filter Instruction Manual

Model: DC5P-40/200 | Brand: SimPure

1. INTRODUCTION AND PRODUCT OVERVIEW

The SimPure Whole House Spin Down Sediment Filter is designed as a first defense pre-filtration system for your home's water supply. It effectively prevents contaminants such as sediment, debris, rust, calcium deposits, and sand granules from entering your plumbing system and appliances. This reusable filter system helps ensure cleaner water for drinking and cooking, while also extending the lifespan of downstream water purifiers, water heaters, washing machines, and other water-related equipment.



Figure 1: SimPure 40/200 Micron Spin Down Sediment Filter

2. PRODUCT COMPONENTS

The SimPure DC5P-40/200 filter system includes the following components:

- 1 x Spin Down Sediment Filter (includes 40µm filter element)
- 1 x Extra 200µm Filter Element
- 2 x 1"-3/4" Adapters
- 1 x Wrench for housing removal
- 3 x Sealing Gaskets
- 1 x Sewage Drain Pipe
- 1 x Teflon Tape



- | | |
|--|--------------------------------|
| 1 1 x Spin Down Sediment Filter
(Includes 40µm Filter) | 4 1 x Wrench |
| 2 1 x Extra 200µm Filter | 5 3 x Sealing Gaskets |
| 3 2 x 1"-3/4" Adapter | 6 1 x Sewage Drain Pipe |
| | 7 1 x Teflon Tape |

Figure 2: Included Components of the SimPure DC5P-40/200

3. SETUP AND INSTALLATION

The SimPure Whole House Water Filter is supplied with 1" Male NPT, 3/4" Female NPT, and 3/4" Male NPT connections, making it suitable for various threaded connectors. Ensure you purchase any necessary threaded connectors (not included) according to your copper, PEX, or CPVC water pipe specifications.



THREE NPT (NATIONAL PIPE THREAD) SPECIFICATIONS

Suitable for ANY THREADED CONNECTORS

with 1" Female NPT or 3/4" Male NPT or 3/4" Female NPT.

(The threaded connectors are not included in package, need to be purchased separately)



Figure 3: NPT Thread Specifications for Installation

It is highly recommended to install shut-off valves on both the inlet and outlet sides of the filter system. This allows for easy isolation of the filter for maintenance without disrupting the entire water supply to your home. Apply Teflon tape to all threaded connections to ensure a watertight seal.

For optimal performance and to prolong the life of your main filtration system, install this spin-down sediment filter as the first stage of filtration for your incoming water supply.

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Video 1: Overview of SimPure Sediment Filter Installation and Benefits.

4. OPERATING INSTRUCTIONS

The filter operates by allowing water to flow through a stainless steel mesh filter, trapping sediment and other impurities. The transparent screen filter bowl allows for visual inspection of the accumulated sediment.

FLUSHABLE AND **REUSABLE** FILTER SYSTEM

- ✓ Easily back wash without disassembly.
- ✓ Purge the sediment when flush it.
- ✓ Extend the filter elements life.



Figure 4: Illustration of the Flushable Filter System

The filter is designed for a flow rate of 20 GPM. The 40 μ m filter is best suited for municipal (tap) or city water. If using with well or lake feed water, you may opt to replace it with the included 200 μ m filter element to reduce the frequency of flushing, as finer meshes can clog more quickly with higher particulate loads.

40 OR 200 MICRON HIGH EFFICIENCY FILTRATION

Filter elements of different filtration accuracy can be easily replaced to meet your different needs

	 <p>40 Micron Spin Down Sediment Filter</p>	 <p>Extra 200 Micron Filter Element</p>
Applicable Water Source	Potable municipal (tap) or City water	Well, lake, or steam feedwater
BPA-Free Material		
Contaminants That Can Be Removed	Sediment, debris, rust, calcium, and sand granules and other impurities	

Figure 5: Filtration Accuracy Options for Different Water Sources

5. MAINTENANCE

The SimPure filter features a flushable and reusable design, allowing for easy backwash without disassembly. To flush the filter, simply open the valve at the bottom of the unit. This purges accumulated sediment. For a more thorough cleaning, the filter element can be removed and brushed off. The frequency of cleaning depends on the particulate load in your water, typically every 3 to 6 months or when a noticeable drop in water volume occurs.

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Video 2: Demonstration of Flushing the Sediment Prefilter.

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Video 3: Unboxing and Maintenance Overview of the SimPure 40 Micron Spin Down Sediment Filter.

6. TROUBLESHOOTING

If you experience a significant drop in water pressure or flow, it is likely due to a clogged filter element. Perform a flush as described in the Maintenance section. If the issue persists, remove the filter element for manual cleaning or consider replacing it if heavily fouled. Ensure all connections are properly sealed with

Teflon tape to prevent leaks.

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Video 4: Important Considerations Before Installing This Pre-Filter.

7. SPECIFICATIONS

Attribute	Value
Product Dimensions	2.4"D x 3.7"W x 8.3"H
Item Weight	2.1 Pounds
Material	Stainless Steel, Brass
External Testing Certification	BPA-Free Food Grade Material
Flow Rate	20 GPM
Burst Pressure Resistance	> 725 psi (5Mpa)

8. WARRANTY & SUPPORT

For warranty information or product support, please refer to the owner's manual included in the packaging or visit the official SimPure website. SimPure offers protection plans for their products, ensuring peace of mind for your purchase.