



JAY R. SMITH MFG. CO.
 DIVISION OF SMITH INDUSTRIES, INC.
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



MEMBER OF:

LOCATION

RAINWATER FILTER COLLECTOR FOR A ROOF AREA UP TO 1,000 SQUARE FEET

INLINE DOWNSPOUT FILTER COLLECTOR FOR ABOVE GRADE APPLICATION

FUNCTION: Connects to a single vertical rainwater downspout and can filter up to a 1000 square foot roof area for irrigation, car washing or other non-potable uses. The downspout filter collector is installed above grade in the vertical rainwater down piping to remove debris to the storm water system and divert 90% of the clean rainwater to the storage tank. The filter operates as a first flush device.

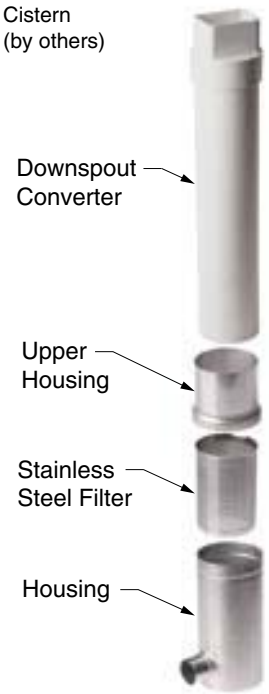
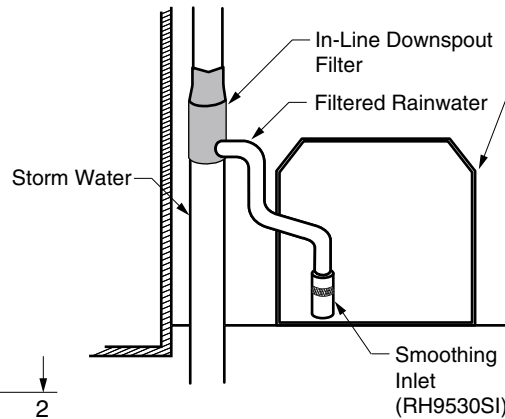
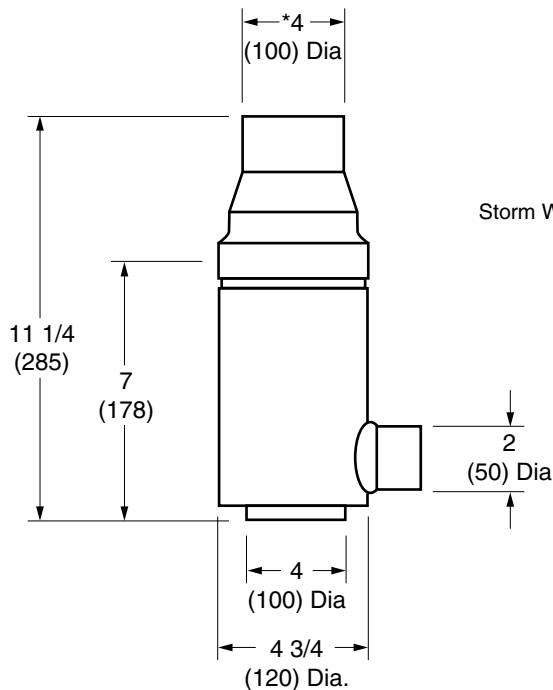


Fig. RH9508-04...4" OUTLET
 * Sized to accept Downspout Converter and 4" S & D Pipe

REGULARLY FURNISHED:

Stainless Steel Filter (RH9508-04), 280 micron
 Stainless Steel Fine Mesh Filter (RH9508F) and
 Downspout Converter Kit (specify):

- 2" x 3" PVC Downspout Kit (RH9510DK3)
- 3" x 4" PVC Downspout Kit (RH9510DK4)

ACCESSORIES:

- Blind Insert (RH9508-BI)
Used in place of the mesh filter to divert flow directly to the storm drain system. Stainless Steel.
- 1" Flexible Hose with 2" Connection for Downspout Filter (RH9510TH)
- Downspout Clip with Screw and Wall Plug (RH9510SC)
For securing the filter unit to a wall.

NOTES: Filter Collector must be mounted plumb for proper operation. A 90° elbow or optional 1" flexible hose (with 2" connection) must be installed directly on the 2" outlet to assure proper filtration. For a roof area above 1000 square feet, additional Inline Downspout Filter Collectors should be added.

NOTE: Dimensions shown in parentheses are in millimeters.

DRAWING NUMBER
SRH9508-04

SIZE
A

SCALE:
NONE

DATE:
7-23-09

APPROVED BY:
TWK

CHECKED BY:
TWK

DRAWN BY:
RN

RH9508-04

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

FIGURE NUMBER
RH9508-04



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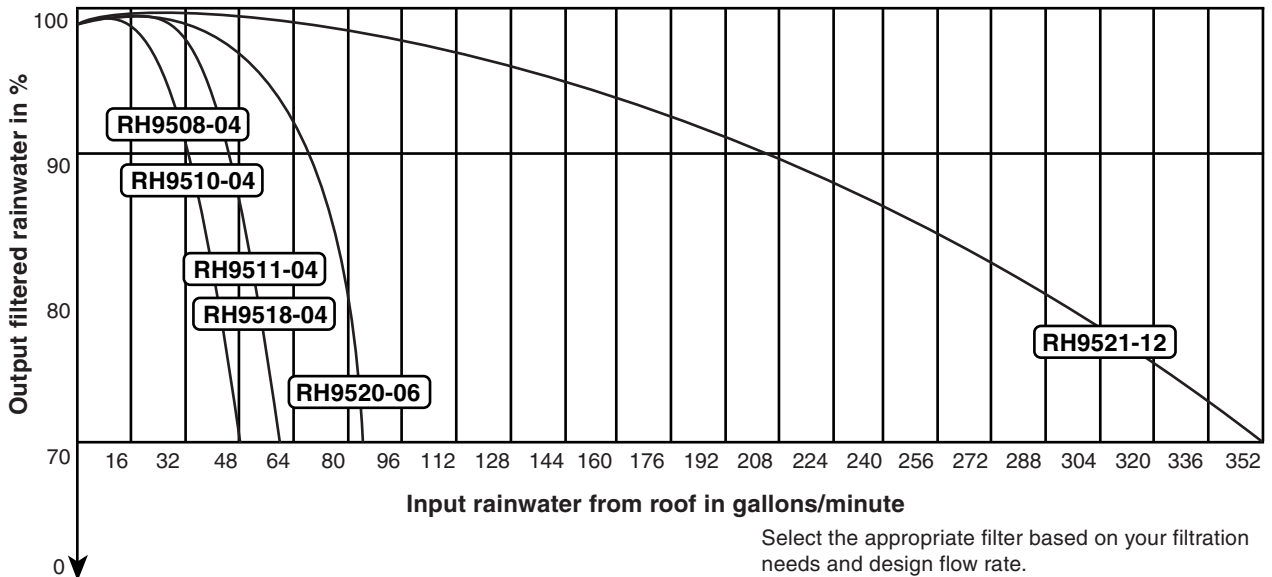
Principles of the WISY Filter Collector – RH9508-04

The Filter Collector filters and collects rainwater over the entire rain event. When dry, the filter acts as a first flush device during the first 20 seconds of rainfall. It also helps aerate the rainwater.

The filter has a self-cleaning effect. Depending on the amount of rainfall and debris filtered, the stainless steel fine mesh filter should be cleaned about 1 to 4 times a year in a dishwasher or by hand. The circulating air within the main housing of the Filter Collector dries the stainless steel fine mesh filter thus lowering the demand for more frequent maintenance.

To safeguard against backflow the top of the upper housing needs to be installed more than 10 inches above grade.

Efficiency Ratio and Performance Chart



Select the appropriate filter based on your filtration needs and design flow rate.

Our filters efficiently recover the rainwater for various flow rates, i.e. for 90% filtered water you can select*:

- RH9508-04 for up to 32 gallons/minute flow rate
- RH9510-04 for up to 32 gallons/minute flow rate
- RH9511-04 for up to 42 gallons/minute flow rate
- RH9518-04 for up to 42 gallons/minute flow rate
- RH9520-06 for up to 65 gallons/minute flow rate
- RH9521-12 for up to 208 gallons/minute flow rate

*Efficiency ratio tested with brand new filters



A product of WISY AG in cooperation with RMS.

DRAWING NUMBER
 SRH9508-04BS

SIZE
 A

SCALE:
 NONE

DATE:
 7-23-09

APPROVED BY:
 TWK

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 TWK

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RH9508-04BS

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 CUBIC FEET

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