

Rainwater Harvesting - Pre-Filter

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

RWF-C100

Cascade Commercial Pre-Filter

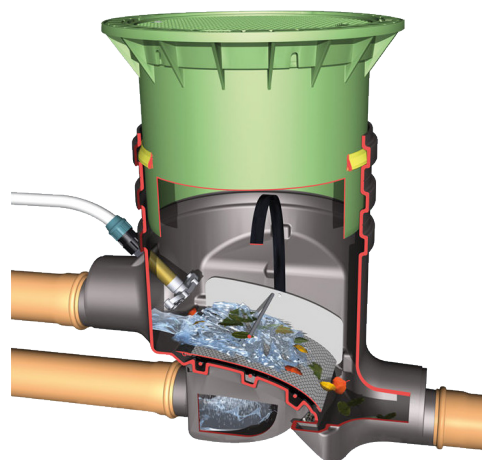
Cascade Commercial Pre-Filters are designed for underground installation in commercial rainwater harvesting applications. Cascade Pre-Filters provide filtration for up to 95% recovery of rainwater from rooftops and feature a removable stainless steel wire mesh filter screen for ease of maintenance. Screen separates solids larger than 350 microns, helping to ensure litter free water in the rainwater harvesting storage system.

Advantages

- Easily serviced filter element
- Direct burial rated for flush installation at ground level
- Up to 95% rainwater recovery
- Quick two step installation
- Reduced maintenance design with stainless steel filter

Features

- Pre-filter manufactured by Graf®
- 6" and 8" inlet and overflow connections
- 6" filtered water connection
- Lockable childproof cover (pedestrian lids)
- Telescopic riser for variable installation depth between 31–59"
- 0.35mm (.01") stainless steel mesh filter
- Optional cast iron lid
- Optional Opticlean® filter sprayhead for reduced maintenance



RWF-C100

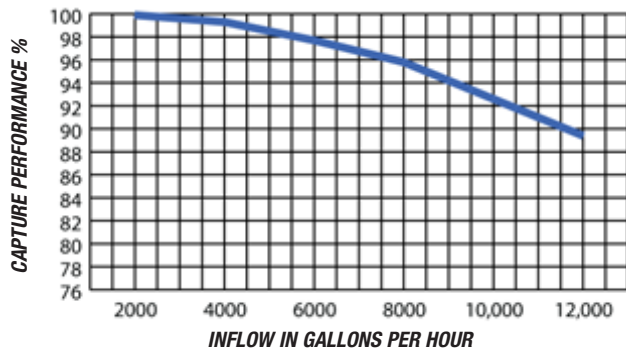
NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

WARNING

Rainwater supplied by Watts rainwater harvesting systems is not potable water and is not intended for potable water applications. Do Not Drink Water supplied from Watts rainwater systems and related equipment. Users shall determine the suitability of the product for the intended application before using.

Capture Efficiency



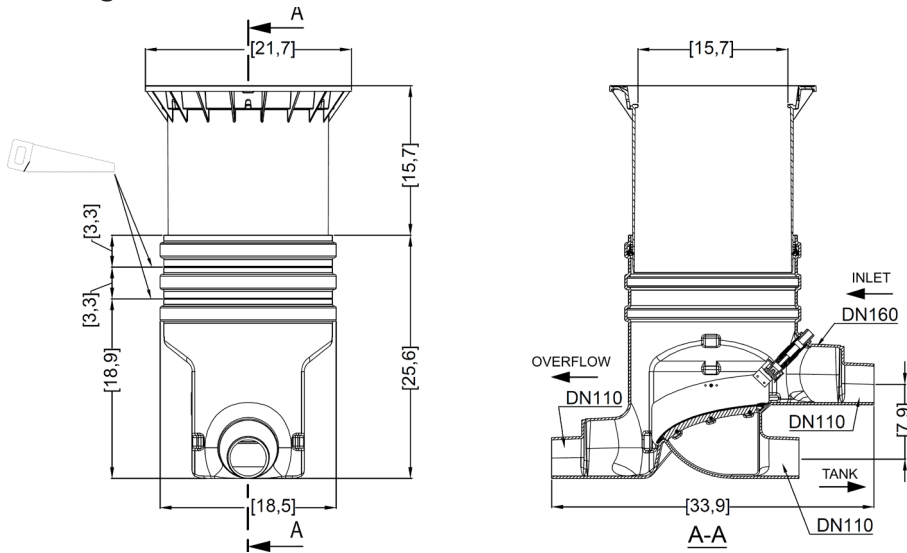
Results in Practice

A commercial building with 7,000 square foot roof area will collect approximately 6,190 gallons of water in one hour at a rate of 103 GPM (1.7 G/sec.) during a typical 1" rain event.

At this rate with an efficiency of 96.5%, a 10,000 gallon tank will fill in 97 minutes.

*Do not exceed 103 gallons per minute flow into pre-filter

Drawing



Available Models

- RWF-C100 C100 Commercial Pre-Filter with Pedestrian Rated Lid
- RWF-C100C C100 Commercial Pre-Filter with Cast Iron Lid

Dimensions and Weights

MODEL	CONNECTIONS			DIMENSIONS			WEIGHT (lbs.)
	INLET (in.)	OUTLET (in.)	OVERFLOW (in.)	L (in.)	W (in.)	H (in.)	
RWF-C100	6 or 8	6	6 or 8	33.5	46.5	27.5 to 47	88
RWF-C100C	6 or 8	6	6 or 8	33.5	46.5	27.5 to 47	110

Recommended Accessory



F-CS005 Spray Head

The optional sprayhead can be easily installed to provide hands-free cleaning of the Cascade Commercial Pre-Filter surface with 16 powerful streams of water. Contact Watts for options to automate the cleaning process with your rainwater harvesting system.

