

# SAF-T-WASH™ FILTER KIT

# INSTALLATION AND OPERATION GUIDE

**San Jamar # STW1200KIT**  
**Everpure # CGS-20 EV9100-20**

Featuring customized



## SAF-T-WASH™ & COSTGUARD CGS-20 FILTER SYSTEM FEATURES

Proper filtration of water is required for optimum sanitizing effectiveness with the Saf-T-Wash™ Food Sanitizer. The Everpure Costguard system with the CG53-20 (EV9108-63) Cartridge has been selected as an ideal option to ensure that chlorine, sediment and other microorganisms are removed from the water stream prior to entry into the Saf-T-Wash™ System. This filter system can reduce cysts, bad tastes and odors, and particulate for ingradient water.

- Taste and Odor Reduction
- Sediment Reduction (CGS-20/CG53 only)
- Scale Reduction\*\*
- Fine Filtration (CGS-20/CG53 only)
- Cyst (CGS-20/CG53 only)

**NOTE:** The housing does not contain a filter cartridge. Choose the appropriate cartridge for your needs and install in housing according to the cartridge replacement instructions before proceeding with installation. See Cartridge Selection Guide.

## CARTRIDGE SELECTION GUIDE

Product Name	Part Number	Cyst	Taste & Odor	Sediment	Scale**	Filter Life/gal	Flow rate/gpm
CG53-20	EV9108-63	x	x	x		20,000	4.0
CG53-20S	EV9108-67	x	x	x	x	20,000	4.0
CG5-20	EV9108-25		x	x**		12,000	3.34
CG5-20S	EV9108-27		x	x**	x	12,000	3.34

\*\* Not Performance Tested or Certified by NSF

## SPECIFICATIONS

High impact plastic head and bowl. Head has 3/8" female threads for inlet and outlet pipe connections. Protect filter bowl from pesticide sprays and freezing. Intended for indoor use only.

**NOTE:** To assure proper performance of this filter it is recommended to replace your sump housing at least every 10 years.

**Flow rate:** See Performance Data Sheet for specific flow rates.

**Pressure:** 30-125 psig (0.9 - 8.62 bar), non-shock\*

**Temperature:** 40-100°F (4.4-37.8°C) cold water use only

**Unit dimensions:** 9.25" wide x 25" high x 5.25" deep (23 x 64 x 13 cm); a clearance of 2" (5 cm) underneath is required for cartridge exchange

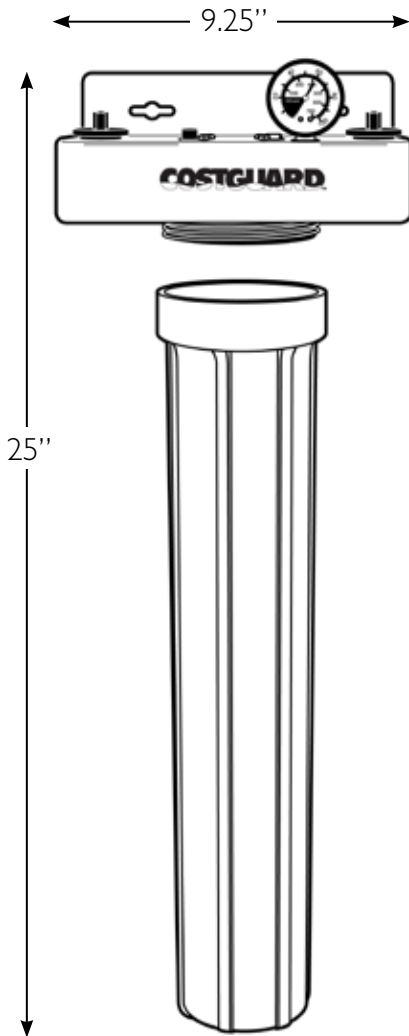
**Cartridge length:** 19.75" (50 cm)

**Connections:** 3/8" Push to connect fitting with internal pipe thread (FPT)

\* If pressure exceeds 125 psi non-shock, use appropriate pressure regulators.

## PARTS LIST

Key	Description	EV #	SJ #
	Pressure Relief button Kit	EV3092-54	
#237 Slimline™	O-Ring	EV3092-56	
#20 Slimline™	White Sump (Bowl)	EV3093-32	
SW-1	Wrench	EV4094-40	
	Pressure Gauge	EV3094-40	
CG53-20	Filter Cartridge	EV9108-63	STW1200FIL
	Teflon Tape		X101330
	14" Grey Tube		X101297
	(2) Mounting Screws		
	(2) 3/8" Threading Adapters		X101208



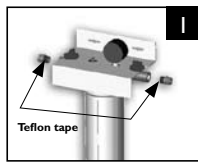
Mounting Depth 5.25"



The CGS-20 with cartridges CG53-20, CG53-20S, CG5-20 and CG520S is Tested and Certified by NSF International to NSF/ANSI Standards 42 & 53. See Performance data sheet in manual for specific claims.

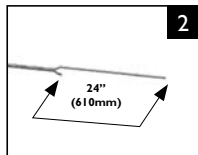
## INSTALLATION WITH SAF-T-WASH™

The following is an overview of installation instructions for the STWI200KIT. For full instructions for installation with Saf-T-Wash™ (STWI200) please review the Saf-T-Wash™ instruction manual included with kit or available for download at [www.sanjamar.com/saftwash](http://www.sanjamar.com/saftwash).



**NOTE:** Before getting started, make sure to have a space measured on the wall to mount the Saf-T-Wash™ unit and filter kit.

Before starting installation, be sure to shut off both power and water to the equipment being served by your Costguard system.

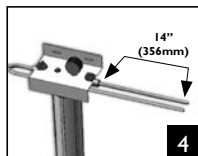


1: Apply Teflon tape (included) to the threaded fitting before assembling them onto the filter housing.

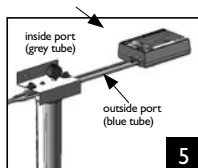
2: Separate blue and grey tubes about 30" from the end of Valve Assembly. Cut 24" off of grey tube.



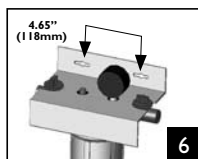
3: Mark the grey tube 3/4" from the end. Plug grey tube into the inlet of the filter housing (labeled "inlet") to the 3/4" mark. IT IS IMPORTANT to make sure the grey tube is plugged in all the way to avoid a water leak. The blue tube will run past the filter. It runs from Saf-T-Wash™ unit to the diverter valve.



4: Plug the 14" grey tubing piece (included in kit), mark 3/4" from the end and plug into the outlet of the filter assembly, inserting fully to the 3/4".



5: The grey tube inserts into the "inlet" port and the blue tube inserts into the "outlet" port on the Saf-T-Wash™ unit. Make sure both tubes are inserted 3/4" to avoid leakage.



6: Mount filter unit to the wall. Using screws provided with kit into the wall. Mount the Saf-T-Wash™ Food Sanitizing unit onto the wall according to the instructions on the Saf-T-Wash™ manual.

## FILTER KIT START-UP

1. Separate the bowl and head assembly. Set the bowl and cartridge aside.
2. Check to be sure the o-ring on the bowl is sufficiently lubricated. If additional lubrication is needed, use only a high quality grade of silicone grease.
3. Position the cartridge on the guide seat in the bottom of the bowl. Then screw the bowl onto the head, by hand; do not use a housing wrench!

## FILTER KIT START-UP (CONTINUED)

4. Turn on the water to the filter and press the red button on the head to open the pressure relief valve, release the button. Inspect the filter assembly for leaks. Your system is now in service. Always keep a supply of replacements cartridges on hand.

**NOTE:** The drinking water cartridge may contain carbon fines (very fine black powder). After installation, flush cartridge for 5 minutes to remove the fines before using the water.

## CARTRIDGE CHANGE

Replace filter cartridges when they become excessively dirty, when the pressure gauge after the filter indicates extremely low pressure during water flow, or when changes in taste and odor are detected.

1. Turn off inlet and outlet water valves and press the pressure relief valve.
2. Unscrew the bowl from the filter head, remove the used cartridge and empty the water from the bowl.
3. If the o-ring on the bowl feels dry, lubricate it with a high quality silicone grease.
4. Clean the bowl with a mild solution of unscented dishwashing detergent. DO NOT use soap, strong or scented detergents, chemical cleansers or abrasives.
5. Position the replacement cartridge on the guide seat in the bottom of the bowl. Then firmly screw the bowl into the head by hand. DO NOT USE A HOUSING WRENCH. Flush cartridge for 5 minutes to remove carbon fines before using the water.

**CAUTION:** The o-ring provides a water tight seal. Make sure the o-ring is properly seated and lubricated.

## CARE AND CLEANING

For the protection of your filter, do not store open containers of oils, alcohols, insecticide, polishes, cleaning fluids or other common household chemicals near your filter installation. To maintain the clear, bright appearance of the filter bowl, clean only with mild solution of unscented dishwashing detergent. Do not clean with soap, strong or scented detergents, chemical cleansers or abrasives.

Check the system and installation for compliance with your state and local laws and regulations. For cold water use only.

**⚠ WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

## PERFORMANCE DATA

Important Notice: Read this Performance Data Sheet and compare the capabilities of this system with your actual water treatment needs. It is recommended that, before installing a water treatment system, you have your water supply tested to determine your actual water treatment needs.

This system has been tested according to NSF/ANSI 42 and 53 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42/53.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cyst.

Model CGS-20 Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Average Reduction
<b>CG53-20/CG53-20S Cartridge</b>				
<b>Standard 42: Aesthetic Effects</b>				
Chlorine	2.0 mg/L ± 10%		> -50%	97%
Particulates (0.5- < 1 µm) Class I	at least 10,000	particles/ml	> 85%	99%
<b>Standard 53: Health Effects</b>				
Cysts*	Minimum 50,000 / >		99.95%	99.99%
Turbidity	1 ± 1 NTU	0.5 NTU		> 95%
Flow Rate: 4.0 gpm (15.2 Lpm) Capacity: 20,000 gallons (75,700L) or 12 months				
<b>CG5-20/CG5-20S Cartridge</b>				
<b>Standard 42: Aesthetic Effects</b>				
Chlorine	2.0 mg/L ± 10%		> 50%	87%
Flow Rate: 3.34 gpm (12.6 Lpm) Capacity: 12,000 gallons (45,400 L) or 12 months				

\*Based on the use of microspheres. Testing was performed under standard laboratory conditions, actual performance may vary.

## OPERATING REQUIREMENTS

**Pressure Range:** 30-125 psi (2.1-8.62 bar)  
**Temperature Range:** 40-100°F (4.4-37.8°C)  
**Turbidity:** 5 NTU Max.

## TEST CONDITIONS

**Flow Rate:** As noted for each individual cartridge  
**Inlet Pressure:** 60 psi (4.1 bar)  
**Water Temperature:** 68° ± 5°F (20° ± 2.5°C)  
**Water pH:** 7.5 ± 1

Installation instructions, parts and service availability, and standard warranty are inclosed with the product when shipped.

This drinking water system must be maintained according to manufacturer's instructions, including replacement or filter cartridges. Replace cartridges when capacity is reached, or when flow becomes too slow, but at least annually.

The CGS-20 with CG53-20S cartridges are Tested and Certified by NSF International to NSF/ANSI Standard 42 for the reduction of Taste & Odor, Aesthetic Chlorine, and Particulate. Standard 53 - Cyst and Turbidity Reduction. CGS-20 with CG5-20 and CG5-20S cartridges are Tested and Certified by NSF International to NSF/ANSI Standard 42 for the reduction of Taste & Odor, and Aesthetic Chlorine.



## Warranty of COSTGUARD Filter Housings

This warranty applies to the Filter Housing. It does NOT apply to any disposable filter cartridge where life expectancy varies with the water being filtered. This warranty covers defects in the material and workmanship only for five full years from the original date of delivery. COSTGUARD will replace any part which in COSTGUARD's opinion is defective, unless: (1) any part of the unit has been subjected to any type of tampering, alteration, or improper use after delivery, or (2) it has been repaired by anyone not approved by COSTGUARD. Our Obligation does not include the cost of shipment of materials. COSTGUARD is not responsible for damage in transit, and claims for such damage should be presented to the carrier by the customer.

This product has been designed solely for use as a housing for a disposable filter cartridge. It is NOT warranted against freezing, and neither this product nor its parts are warranted against defects or deterioration caused by uses for which the product was not expressly intended. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, WHETHER ORAL OR ARISING BY USAGE OR TRADE OR COURSE OF DEALING, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF FITNESS OR MERCHANTABILITY, THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY, IN NO EVENT SHALL COSTGUARD BE LIABLE FOR ANY ANTICIPATED OR LOST PROFITS, INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, COSTS, TIME CHARGES OR OTHER LOSSES, WHETHER BASED ON BREACH OF CONTRACT, TORTIOUS CONDUCT OR ANY OTHER THEORY, INCURRED IN CONNECTION WITH THE PURCHASE, INSTALLATION, REPAIR OR FOR IT ANY LIABILITY OR TO MAKE ON ITS BEHALF ANY ADDITIONAL WARRANTIES IN CONNECTION WITH THE FILTER HOUSING OR ANY PART THEREOF.

For servicing under this warranty, return any defective part to YOU DEALER within the five year period referred to above.

# **SAN JAMAR**

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