Engineering Specification

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Series PWFLGAC & PWCL

Locksmith® Residential Carbon Filter Systems

WATTS® pure water

Connection Sizes: 1" & 1 1/4"
Flow Rates: Up to 14 gpm (53 lpm)

The Watts Pure Water Locksmith® Series PWFLGAC and PWCL activated carbon filtration systems are proven backwashing media filters designed to reduce chlorine, as well as taste, odor, and color caused by organic compounds.

These systems feature the Watts-exclusive Locksmith controller, an integrated control platform capable of operating 1" and 1.25" single, Twin Alternating, and multi-tank progressive flow softening and filtration systems without the need for an additional controller. The controller also supports external device operation, allowing for flexible system configurations to meet a wide range of application requirements.

Designed for residential point-of-entry applications, the PWFLGAC and PWCL systems support dechlorination flow rates up to 14 gpm (53 lpm) with media bed sizes ranging from 1 to 4 cubic feet. Higher flow rates can be achieved by installing multiple systems in parallel. Captured sediment is removed through an automatic, programmable backwash and flush cycle that is time-initiated or demand-initiated, requires no manual operation, and can be scheduled at the user's convenience.

These activated carbon filtration systems provide dechlorinated water for residential use. Chlorine, commonly added to municipal water for disinfection, can damage reverse osmosis membranes and polymer-based ion exchange resins and may cause undesirable tastes and odors. Activated carbon is widely used to reduce chlorine, organic-related taste, color, and odor, as well as trace hydrocarbons. For applications requiring enhanced removal of organics or hydrocarbons, proper system sizing and carbon selection should be confirmed with a Watts Pure Water representative.

Series PWFLGAC & PWCL activated carbon systems utilize 12 x 40 mesh coconut shell carbon media engineered for effective chlorine reduction. The high microporosity of coconut shell carbon makes it well suited for low–molecular weight contaminants such as chlorine. Its superior hardness and advanced de-dusting process result in a clean, durable media with minimal fines, ensuring reliable performance and long service life.

⚠ WARNING

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



PWFLGAC & PWCL

Features and Benefits

- Great tasting water from every tap in your house!
- GAC media corrects wide range of water quality issues by reducing chlorine tastes, odors, organic chemicals and sediment
- No bad tastes or foul odors!
- Crystal clear water for drinking, bathing, and cooking!
- Watts Locksmith proprietary electronic controller allows user friendly control
- Fully adjustable backwash and flush cycles
- Highly corrosion resistant fiberglass tanks

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.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

WATTS®

Operating Parameters

pH . . . . . 6 to 8.5

Water Pressure* . . . . . 30 psi to 125 psi (205 kPa to 8.5 bar)

Temperature . . . . . 34 - 110°F (1 - 43°C)

Oil and H2S. . . . . None Allowed

Iron . . . . . Less than 1 ppm

Total Chlorine . . . . . Less than 5 ppm

Operating Ambient Temperature . . . 34° to 120°F (1° to 52°C)

Power Supply Input Voltage . . . . . 100-120 VAC

Power Supply Input Frequency . . . . 50/60 Hz

Power Supply Output Voltage. . . . . 15 VDC

Power Supply Output Current. . . . . 500 mA (per control valve)

Water known to have heavy loads of dirt and debris may require pre-filtration prior to the water filtration system.

*It is established that when daytime water pressure exceeds 80psi (5.5 bar), the maximum pressure rating of 125psi (8.6bar) can be exceeded. A pressure regulator is required on this system or warranty is voided.

For all other guideline information please contact your Watts representative.

Dimensions & Weights

Series PWFLGAC

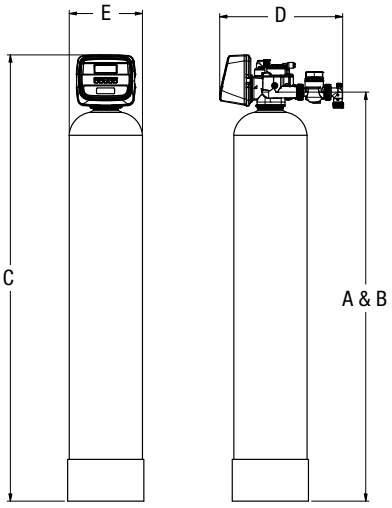
Call customer service (800-659-8400) if you need assistance with technical details.

MODEL NO.	DIMENSIONS										WEIGHTS	
	A		B		C		D		E			
	in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lb*	*kg*
PWFLGAC1	50 1/2	1283	50 1/2	1283	55 1/2	1410	11 3/4	298	9 1/2	241	80	36
PWFLGAC15	56 1/2	1435	56 1/2	1435	61 3/4	1568	12 1/4	311	10 1/2	267	105	48
PWFLGAC2	55	1397	55	1397	60	1524	13 1/4	337	12 1/2	318	145	66
PWFLGAC3	66	1676	66	1676	71	1803	14 1/2	368	14 3/4	375	200	91
PWFLGAC4	68 1/4	1734	68 1/4	1734	73 1/2	1867	15 1/4	387	16 3/4	425	265	120

Series PWCL

MODEL NO.	DIMENSIONS										WEIGHTS	
	A		B		C		D		E			
	in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lb*	*kg*
PWCL125GAC1	50 1/2	1283	50 1/2	1283	55 1/2	1410	11 3/4	298	9 1/2	241	80	36
PWCL125GAC15	56 1/2	1435	56 1/2	1435	61 3/4	1568	12 1/4	311	10 1/2	267	105	48
PWCL125GAC2	55	1397	55	1397	60	1524	13 1/4	337	12 1/2	318	145	66
PWCL125GAC3	66	1676	66	1676	71	1803	14 1/2	368	14 3/4	375	200	91

Series PWFLGAC & PWCL



Specification and Ordering Information

MODEL NO.	ORDERING CODE	TANK SIZE	PIPE SIZE	MEDIA (CU FT)	PEAK SERVICE FLOW (GPM)	BACKWASH (GPM)	FLOOR SPACE (DXWXH)	SHIP WT. (LBS.)
PWFLGAC1	7101318	9x48	1	1	4	4.2	12" x 10" x 56"	80
PWFLGAC15	7101319	10x54	1	1.5	6	5.3	12" x 11" x 62"	105
PWFLGAC2	7101320	12x52	1	2	8	7.5	13" x 13" x 60"	145
PWFLGAC3	7101321	14x65	1	3	11	10	15" x 15" x 71"	200
PWFLGAC4	7101322	16x65	1	4	14	11	15" x 17" x 74"	265
PWCL125GAC1	7101338	9x48	1 1/4	1	4	4.2	12" x 10" x 56"	80
PWCL125GAC15	7101339	10x54	1 1/4	1.5	6	5.3	12" x 11" x 62"	105
PWCL125GAC2	7101340	12x52	1 1/4	2	8	7.5	13" x 13" x 60"	145
PWCL125GAC3	7101341	14x65	1 1/4	3	11	10	15" x 15" x 71"	200

NOTICE

The service flow rates listed for the carbon filtration systems are for dechlorination. Slower flow rates may be required depending on the specific contaminant and concentration of the contaminant.

USA: T: (800) 659-8400 • Watts.com/PureWater
Canada: T: (905) 332-4090 • Watts.ca/PureWater
Latin America: T: (52) 55-4122-0138 • Watts.com/PureWater

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