

## For Residential Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series PWBWIRON

## Whole House Iron, Hydrogen Sulfide, and Manganese Reduction Systems

**Connection Size: 1" (25mm)**

**Flow Rate: up to 12 gpm (45 lpm)**

Watts Whole House Filters for iron, hydrogen sulfide (rotten egg smell), and manganese reduction.

WH-IRON systems are a unique, chemical free, approach to reducing red staining iron, rotten egg smelling hydrogen sulfide, and black staining manganese in your water. These systems use the natural air we breathe to charge the water with oxygen. Together the oxygen and contaminants are introduced onto the surface of our catalytic filtration media. The media uses the oxygen to oxidize the contaminants and then traps the impurities.

### Media

Our Filox® media is an advanced form of manganese dioxide (MD). Virtually all iron, hydrogen sulfide, and manganese removal medias have some percentage of MD. At 80% or greater, Filox boasts the highest percentage of MD and the highest flow rates per cubic foot of all of the iron removal medias on the market today. Filox is NSF/ANSI Standard 61 Certified.

### AIO Control Valve

Manufactured from fiber reinforced polymer, the AIO control valve has been engineered for durability and time tested with proven results. It controls the operation of the system including the air draw and air volume control function. The proprietary design features a polymer piston that glides through a series of seals and spacers. This seal/spacer and piston configuration is the most reliable design in control valve technology. The valve features an electronic controller for easy programming.

### Filter Tank

Features a non-corrosive fiberglass tank with a thermoplastic inner liner. The tanks are NSF/ANSI Standard 44 certified.

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

## PURE WATER



PWBWIRON

### Benefits

- No chemicals needed for regeneration.
- High flow rates with smaller system space requirements than competing models.
- No bad tastes, odors, or staining caused by iron, hydrogen sulfide, or manganese.
- Crystal clear water for drinking, bathing, and cooking.
- User-friendly equipment.
- Low maintenance due to automatic operation.

## Installation/Feedwater Parameters

Location: Indoors (Protect from direct sunlight)

Minimum inlet pressure: 30 psig

Maximum operating pressure: 80 psig

Minimum water temperature: 34°F (1°C)

Maximum water temperature: 110°F (43°C)

pH Range 6.0-9.0

Iron Concentration Maximum 10 PPM

Manganese Concentration Maximum 5 PPM

Hydrogen Sulfide Concentration Maximum 3 PPM

## Power

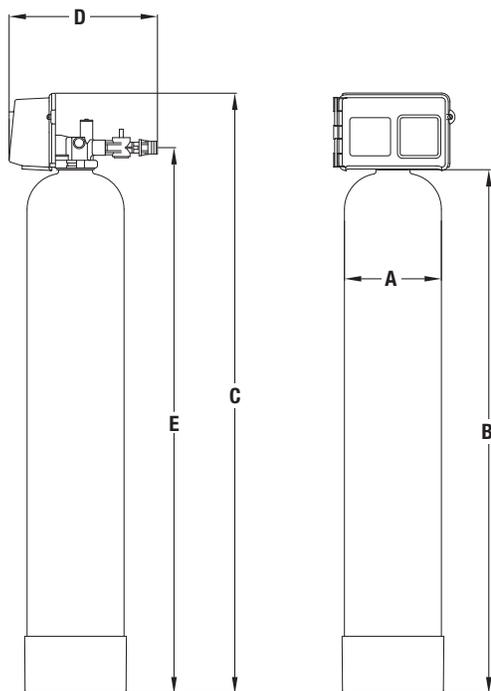
Voltage: 120VAC

Frequency: 60Hz

**For larger residential Iron, Manganese and Hydrogen Sulfide systems, contact Pure Water Technical Support at 1.800.224.1299**

MODEL	VALVE	MINERAL TANK SIZE	MEDIA CUBIC FOOT	GARNET NO.12 (LBS)	SERVICE FLOW (GPM)	PRESSURE DROP (PSI)	BACK WASH (GPM)	FLOOR SPACE (L X W X H)
PWBWIRON1	Time Clock	9" x 48"	1	14	6	<15	7	16" x 15" x 55"
PWBWIRON15	Time Clock	10" x 54"	1.5	14	9	<15	8	16" x 15" x 62"
PWBWIRON2	Time Clock	12" x 52"	2	42	12	<25	12	17" x 15" x 60"

Note: Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capability. These systems are designed to treat the domestic water used in a single family dwelling. For irrigation water treatment or higher volume applications please contact your Watts representative.



## Dimensions - Weights

PART NO.	TANK (A&B)	IN (E)	OUT (E)	OVERALL HEIGHT (C)	OVERALL DEPTH (D)	SHIPPING WEIGHT (lbs.)	(kgs.)
PWBWIRON1	9" x 48"	51"	51"	57"	16"	150	68
PWBWIRON15	10" x 54"	57"	57"	63"	16"	207	94
PWBWIRON2	12" x 52"	56"	56"	61"	16"	295	134



**USA:** T: (800) 659-8400 • F: (800) 659-8402 • [Watts.com/PureWater](http://Watts.com/PureWater)  
**Canada:** T: (888) 208-8927 • F: (905) 481-2316 • [Watts.ca/PureWater](http://Watts.ca/PureWater)  
**Latin America:** T: (52) 55-4122-0138 • [Watts.com/PureWater](http://Watts.com/PureWater)