

# Ziron Ziron-C

Waterite's NEW line of Chemical-free Iron and H<sub>2</sub>S Removers



## **Ziron Chemical-Free Iron Filter**

Ziron is the latest addition to Waterite's family of automatic backwashing filters, designed to eliminate the damaging effects of iron in your household water supply. Ziron systems are capable of handling moderate levels of iron in your water supply, without the need of messy and expensive chemicals. The system is designed to draw air through its advanced, electronic control valve at regular intervals, forming an air cap in the filter tank. The air cap air begins the process of oxidizing the dissolved iron in your water, followed by a catalytic media bed that both completes the iron oxidation and conventionally filters the the oxidized iron particles from your water stream. Without the need for messy chemicals like chlorine or potassium permanganate, Ziron offers an low-cost and environmentally friendly alternative for iron removal!



## **Ziron-C - H<sub>2</sub>S and Iron Removal**

The Ziron-C filter systems use an advanced catalytic carbon media to reduce the unpleasant tastes and odours associated with hydrogen sulphide in drinking water, while also providing the same iron control as Ziron systems offer.

Using the advanced Ziron control valve to draw in air in precise doses, Ziron-C begins oxidizing the H<sub>2</sub>S, then uses the catalytic carbon media to complete the process and adsorb and filter the H<sub>2</sub>S out of your water supply. The heart of each Ziron and Ziron-C filter systems is Waterite's exclusive, advanced Fusion control valve, each with automatic digital controls. They represent rugged reliability for years of trouble-free service and low ongoing maintenance needs.

Each Ziron and Ziron-C filter system comes with Waterite's factory 5-year limited valve warranty and a 10-year limited mineral tank warranty.

# Ziron Ziron-C

## GENERAL SPECIFICATIONS

<b>Ziron Part#</b>	<b>Ziron-C Part#</b>	<b>Tank Size (DxH)</b>	<b>Media Volume (ft<sup>3</sup>)</b>	<b>Service Flow Rate (GPM)</b>	<b>Backwash Flow Rate (GPM)</b>
FOB10BB FOB10BP	FOC10BP	10"X54"	1.0	5.0	5.3
FOB15BB FOB15BP	FOC15BP	12"X48"	1.5	7.0	7.5
FOB20BP		13"X54"	2.0	10.0	10.6
FOB30BP	FOC30BP	14"X65"	3.0	12.0	13.0
FOB40BP		16"X65"	4.0	14.0	17.0

Operating Ambient Temperature:	34 °F (1 °C) – 120 °F (49 °C)
Operating Water Temperature:	34 °F (1 °C) – 100 °F (38 °C)
Operating Pressure:	20 – 100 psi (1.38 – 6.89 bar)
Operating pH:	6.8 – 9
Inlet/Outlet:	1" (2.54 cm)
Maximum Dissolved Iron:	4.0 ppm
Maximum Hydrogen Sulfide *	2.0 ppm
* Hydrogen sulfide removal ability ONLY applies to Ziron-C series units.	

### INFLUENT AND BACKWASH LIMITATIONS

Free Chlorine	< 0.5 ppm
Hydrogen Sulfide	0 ppm for Ziron series
Oil	None present
Polyphosphates	None present
Influent Dissolved Oxygen (D.O.)	=15% of the iron (or iron and manganese content)

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