



Ziron

Waterite's line of advanced filtration systems

Ziron is the latest addition to Waterite's family of automatic backwashing filters, designed to eliminate the damaging effects in your household water supply. The heart of each Ziron system 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.



Ziron-B Chemical-Free Iron Filter

Ziron-B 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.

Ziron-B offers an low-cost and environmentally friendly alternative for iron removal!

Ziron-C – H₂S 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.

Using the advanced Ziron control valve to draw in air in precise doses, Ziron-C begins oxidizing the H₂S, then uses the catalytic carbon media to complete the process and adsorb and filter the H₂S out of your water supply.

Ziron-K – High Level Filtration

The Ziron-K filter systems use KATALOX LIGHT[®], a revolutionary advanced filtration media to reduce the unpleasant tastes and odours, iron, manganese, hydrogen sulfide. KATALOX LIGHT[®] is engineered with unique MnO₂ coating technique providing it light weight, higher filtration surface, more service life and more reliable performance than any other existing regular filter media.

For removal of very high concentration of contaminant, it is recommended to use H₂O₂ as an oxidizer, which provides accelerated catalytic oxidation on the surface of the media.

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GENERAL SPECIFICATIONS**

Ziron-B Part#	Ziron-C Part#	Ziron-K Part#	Tank Size (DxH)	Media Volume (ft³)	Service Flow Rate (GPM)	Backwash Flow Rate (GPM)	
						Ziron-B and C	Ziron-K
FOB10BP	FOC10BP	FOK10BP	10"X54"	1.0	5.0	5.3	6.5
FOB15BP	FOC15BP	FOK15BP	12"X48"	1.5	7.0	7.5	9
FOB20BP	FOC20BP	FOK20BP	13"X54"	2.0	10.0	10.6	10.6
FOB30BP	FOC30BP	FOK30BP	14"X65"	3.0	12.0	13.0	13.0
FOB40BP	FOC40BP	FOK40BP	16"X65"	4.0	14.0	17.0	17.0

Operating Ambient Temperature:	34°F (1°C) - 120°F (49°C)
Operating Water Temperature:	34°F (1°C) - 100°F (48°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 (Ziron-B) / 9.0 ppm (Ziron-K)
Maximum Hydrogen Sulfide **	2.0 ppm **(Ziron-C and Ziron-K ONLY)

INFLUENT AND BACKWASH LIMITATIONS

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

**Custom builds available

Each Ziron filter system comes with Waterite's factory 5-year limited valve warranty and a 3-year limited mineral tank warranty.

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www.waterite.com

