

Chemical Free Iron Filter System For High Flow Rates Applications



Remove Stubborn Iron, Manganese & Hydrogen Sulfide Without Chemicals

Incoming raw water passes through a compressed pocket of air contained in the first tank. The air precipitates the iron into solid form and is removed when it passes through the filters media bed contained in the second tank. The media acts as a catalyst in the reaction between iron and oxygen that also causes the iron to precipitate into a solid.

As more water passes through the unit the air becomes depleted and the media becomes overloaded with the iron. Periodic automatic regeneration replenishes the supply of air and cleans the media of filtered iron. The media is not consumed in the iron removal process and therefore is much more economical than many other iron removal processes.

NOVOClear



**NovoClear 95 BIF Series
Two Tank Iron Filter System**

BIF 95 Series Chemical Free Iron Filter

Features:

- ✓ Natural oxidation removes iron, manganese and H₂S without chemicals, air pumps or a venturi
- ✓ System regenerates less frequently using up to 50% less water than manganese greensand filters
- ✓ Exclusive Canature 95 Series control valve with reliable electronic sensors, piston, seals and spacer technology
- ✓ Water proof power head enclosure
- ✓ High flow rates for large residential & commercial applications
- ✓ Time saving quick connects for easy installation
- ✓ Easy access sample ports with quick connect clips
- ✓ Fully adjustable cycle times
- ✓ Meter Immediate, Meter Delayed, Meter with Day Override, and Calendar Clock mode
- ✓ Integrated turbine meter
- ✓ 48 hour self charging battery back-up keeps time-of-day stored while program settings are kept in permanent memory
- ✓ Large user friendly color display shows time of day, total remaining capacity, and flow indication
- ✓ Simple electronics and programming.
- ✓ 10 year Warranty on NSF Certified tank
- ✓ 5 year warranty on NSF Certified control valve

Specifications	95BIF-100	95BIF-150	95BIF-200	95BIF-300	95BIF-400	95BIF-500
	15054056	15054057	15054046	15054047	15054048	15054049
*MN Models for low pH 6.0 - 6.9 & Manganese up to 1.0 ppm	95BIFMN-100	95BIFMN-150	95BIFMN-200	95BIFMN-300	95BIFMN-400	95BIFMN-500
	15054058	15054059	15054050	15054051	15054052	15054053
Typical Service Flow Rate	3.0 gpm	4.0 gpm	5.0 gpm	6.0 gpm	7.0 gpm	9.0 gpm
Peak Flow Rate	6.0 gpm	10.0 gpm	12.0 gpm	14.0 gpm	16.0 gpm	18.0 gpm
Backwash Flow Rate	5.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	14.0 gpm	21.0 gpm
Filter Media Volume - Cubic Feet	1.0 ft ³	1.5 ft ³	2.0ft ³	3.0 ft ³	4.0 ft ³	5.0 ft ³
Filter Tank Size	10x44	10x54	12x52	14x65	16x65	18x65
Air Contact Tank Size	8x44	10x54	12x52	14x65	14x65	14x65
Shipping Weight	150 lbs	188 lbs	248 lbs	368 lbs	443 lbs	518 lbs
Media Loaded	Yes	Yes	No	No	No	No
Maximum Iron	30.0 ppm					
Hydrogen Sulfide	5.0 ppm					
Mangansese	BIF Model 0.0 ppm / BIFMN Models up to 1.0 ppm					
Iron Bacteria Removal	Yes					
pH	BIF Models pH 7.0 - 8.5 / BIFMN Models pH 6.0 -6.9					
Plumbing Connections	3/4", 1", 1 1/4", 1 1/2"					
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA					
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit					
Water Pressure	Min. 20 - Max. 125 psi					



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