

WaterGroup®

189 BIF Series Filter System

Remove Stubborn Iron, Manganese and Sulphur 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.

*Clean, Clear, Iron,
Manganese and
Sulphur-Free
Water Filter*





189 Valve

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 WaterGroup 189 Series control valve with reliable electronic sensors, piston, seals and spacer technology
- High flow rates for large residential & commercial applications
- Time saving quick connects for easy installation

Specifications *MN Models for low pH 6.0 - 6.9 & Manganese up to 1.0 ppm	WG189BIF-100	WG189BIF-150	WG189BIF-200	WG189BIF-300
	2270-1	2271-1	2272-1	2273-1
	WG189BIFMN-100	WG189BIFMN-150	WG189BIFMN-200	WG189BIFMN-300
	2274-1	2275-1	2276-1	2277-1
Typical Service Flow Rate	3.0 gpm	4.0 gpm	5.0 gpm	6.0 gpm
Peak Flow Rate	6.0 gpm	10.0 gpm	12.0 gpm	14.0 gpm
Backwash Flow Rate	5.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm
Filter Media Volume - Cubic Feet	1.0 ft	1.5 ft	2.0ft	3.0 ft
Filter Tank Size	10x44	10x54	12x52	14x65
Air Contact Tank Size	8x44	10x54	12x52	14x65
Shipping Weight	150 lbs	188 lbs	248 lbs	368 lbs
Media Loaded	Yes	Yes	No	No
Maximum Iron	30.0 ppm			
Hydrogen Sulfide	3.0 ppm			
Manganese	BIF Model 0.0 ppm / BIFMN Models up to 1.0 ppm			
Iron Bacteria Removal	No			
pH	BIF Models pH 7.0 - 8.5 / BIFMN Models pH 6.5 -6.9			
Plumbing Connections	1" Straight Connectors			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Min. 20 - Max. 125 psi			

◆ At stated service flow rates the pressure drop through these devices will not exceed 15 PSIG

◆ Do not use where microbiologically unsafe

WaterGroup®

Toll Free: 1-877-288-9888
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Your Local Plumbing Professional