

489 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**

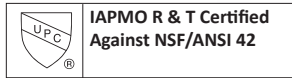




489 Valve

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 single tank iron filters
- Exclusive NSF Certified Novo 489 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	NVO489DFBIF-100	NVO489DFBIF-150	NVO489DFBIF-200*	NVO489DFBIF-300*
	15050190-1	15050191-1	15050192-1	15050193-1
	NVO489DFBIFMN-100	NVO489DFBIFMN-150	NVO489DFBIFMN-200	NVO489DFBIFMN-300
	15050194 -1	15050195 -1	15050196 -1	15050197 -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	10 x 44	10 x5 4	12 x 52	14 x 65
Air Contact Tank Size	10 x 44	10 x 54	12 x 52	14 x 65
Shipping Weight	BIF: 170 lbs	BIF: 200 lbs	BIF: 381 lbs	BIF: 409 lbs
	BIFMN: 168 lbs	BIFMN: 197 lbs	BIFMN: 357 lbs	BIFMN: 402 lbs
Media Loaded	Yes	Yes	No	No
Maximum Iron	30.0 ppm			
Hydrogen Sulfide	BIF 1.0 ppm / BIFMN 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 6.5-7.5			
Plumbing Connections	1" 90 Degree Elbow NPT 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			

*Media not loaded in mineral tank.

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

◆ Do not use where microbiologically unsafe



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank



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