

Hydrotech

AIO Series Chemical Free Iron Filter

The AIO Chemical Free Iron filter is intended to be an effective and economical way to remove iron from water without the use of messy and dangerous chemicals or expensive pumps or an external venturi. The AIO valve uses a unique process to create an air bubble at the upper portion of the tank to oxidize any ferrous iron prior to being filtered by the media. It can also be used to remove low concentrations of dissolved hydrogen sulfide and manganese from water.

How does the AIO (Air Induction Oxidization) filter work?

This filter works by adding oxygen to the incoming water by passing it through a bubble of compressed air. The water is then passed through a special filter bed. The special media not only increases the pH of the water to enhance iron removal but also acts as a physical barrier to trap iron precipitate. As more water passes through this iron filter, the oxygen in the unit is used up, and the media gets loaded with iron. The regeneration process then begins in order to replenish the supply of oxygen, and to backwash the precipitated iron trapped in the media bed. The iron removal efficiency will be more effective with high pH water. The filter is fitted with an inlet check valve to prevent any air from flowing backwards out of the filter tank.



*Clean, Clear
Iron-Free
Water*



Model	Media Cu Ft	Flow Rate USGPM			Mineral Tank Size	Pipe Size Inches	Ship Weight Lbs
		Service	Peak	Backwash			
AIO (Air Induction Oxidizer) Chemical Free Iron Filter (Single Tank)							
AIO75	0.75	2	4	3.5	8 x 44	3/4" - 1"	93
AIO10	1.0	3	6	4	9 x 48	3/4" - 1"	120
AIO15	1.5	4	10	5	10 x 54	3/4" - 1"	164
AIO20	2.00	5	12	7	1252	3/4" - 1"	207
AIO30	3.00	6	14	10	1465	3/4" - 1"	330
AIO75M	0.75	2	4	3.5	8 x 44	3/4" - 1"	93
AIO10M	1.0	3	6	4	9 x 48	3/4" - 1"	120
AIO15M	1.5	4	10	5	10 x 54	3/4" - 1"	164
AIO20M	2.00	5	12	7	1252	3/4" - 1"	207
AIO30M	3.00	6	14	10	1465	3/4" - 1"	330
AIOC (Air Induction Oxidizer) Filter For Hydrogen Sulfide Reduction (Single Tank)							
AIOC75	0.75	2	4	3.5	8 x 44	3/4" - 1"	50
AIOC10	1.0	3	6	4	9 x 48	3/4" - 1"	60
AIOC15	1.5	4	10	5	10 x 54	3/4" - 1"	78
AIOC20	2.00	5	12	7	1252	3/4" - 1"	95
AIOC30	3.00	6	14	10	1465	3/4" - 1"	138
AIOB (Air Induction Oxidizer) Birm Iron Filter							
AIOB75	0.75	2	4	3.5	8 x 44	3/4" - 1"	67
AIOB10	1.0	3	6	4	9 x 48	3/4" - 1"	79
AIOB15	1.5	4	10	5	10 x 54	3/4" - 1"	101
AIOB20	2.00	5	12	7	1252	3/4" - 1"	121
AIOB30	3.00	6	14	10	1465	3/4" - 1"	184

Options:

- Pressure tanks in black, blue or natural
- Tank jackets with black caps in chrome, grey, blue or vanilla



565 valve

- Simple user friendly 2 line /32 character display
- Rotating 'No Touch' Information Display (i.e. Date last regenerate, volume remaining)
- Seven Year Warranty



765 valve

- Simple electronics with index knob to manually initiate regeneration and select cycle position
- Five Year Warranty



89 valve

- True 1" porting for high flow rates up to 18" systems. Ideal for larger homes.
- Large Backlit LCD display screen with 4 line / 80 character touch pad screen.
- Seven Year Warranty



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