

# Hydrotech®

## AIO Series Chemical Free Iron Filter

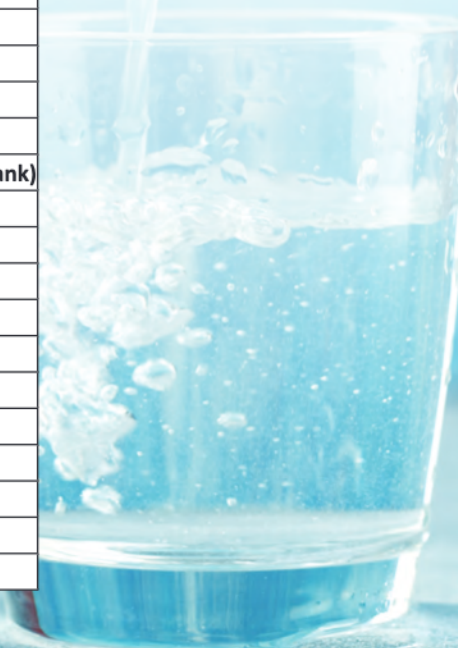
The AIO Chemical Free Iron filter is intended to be an effective and economical way to remove iron from water without the use of messy and dangerous chemicals or expensive pumps or an external venturi. The AIO valve uses a unique process to create an air bubble at the upper portion of the tank to oxidize 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			
<b>AIO (Air Induction Oxidizer) Chemical Free Iron Filter (Single Tank)</b>							
AIO75	0.75	2	4	3.5	8 x 44	3/4"	93
AIO10	1.0	3	6	4	9 x 48	3/4"	120
AIO15	1.5	4	10	5	10 x 54	3/4"	164
AIO20	2.00	5	12	7	1252	3/4"	207
AIO30	3.00	6	14	10	1465	3/4"	330
AIO75M	0.75	2	4	3.5	8 x 44	3/4"	93
AIO10M	1.0	3	6	4	9 x 48	3/4"	120
AIO15M	1.5	4	10	5	10 x 54	3/4"	164
AIO20M	2.00	5	12	7	1252	3/4"	207
AIO30M	3.00	6	14	10	1465	3/4"	330
<b>AIOC (Air Induction Oxidizer) Filter For Hydrogen Sulfide Reduction (Single Tank)</b>							
AIOC75	0.75	2	4	3.5	8 x 44	3/4"	50
AIOC10	1.0	3	6	4	9 x 48	3/4"	60
AIOC15	1.5	4	10	5	10 x 54	3/4"	78
AIOC20	2.00	5	12	7	1252	3/4"	95
AIOC30	3.00	6	14	10	1465	3/4"	138
<b>AIOB (Air Induction Oxidizer) Birm Iron Filter</b>							
AIOB75	0.75	2	4	3.5	8 x 44	3/4"	67
AIOB10	1.0	3	6	4	9 x 48	3/4"	79
AIOB15	1.5	4	10	5	10 x 54	3/4"	101
AIOB20	2.00	5	12	7	1252	3/4"	121
AIOB30	3.00	6	14	10	1465	3/4"	184

## AIO CHEMICAL FREE IRON FILTER

Part #	Model	Resin Tanks Size & Colour	Weight (LBS)
--------	-------	---------------------------	--------------

### 89 Series 1" DownFlow

15551000	HT89-075AIO	8x44 Black	110
15551007	HT89-100AIO	9x48 Black	145
15551014	HT89-150AIO	10x54 Black	250
15551021	HT89-200AIO*	12x52 Black	355
15551025	HT89-300AIO*	14x65 Natural	455

### 565 Series

15550547	HT765-075AIO	8x44 Black	110
15550554	HT565-100AIO	9x48 Black	145
15550561	HT565-150AIO	10x54 Black	250

### 765 Series

15550800	HT765-075AIO	8x44 Black	110
15550807	HT765-100AIO	9x48 Black	145
15550814	HT765-150AIO	10x54 Black	250

## AIOM CHEMICAL FREE IRON FILTER

Choose AIOM Models for low pH and/or high manganese applications.

### 89 Series 1" DownFlow

15551027	HT89-075AIOM	8x44 Black	110
15551034	HT89-100AIOM	9x48 Black	145
15551041	HT89-150AIOM	10x54 Black	250
15551048	HT89DF-200AIOM*	12x52 Black	355
15551052	HT89DF-300AIOM*	14x65 Natural	455

### 565 Series

15550568	HT565-075AIOM	8x44 Black	110
15550575	HT565-100AIOM	9x48 Black	145
15550582	HT565-150AIOM	10x54 Black	250

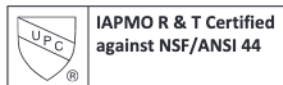
### 765 Series

15550821	HT765-075AIOM	8x44 Black	110
15550828	HT765-100AIOM	9x48 Black	145
15550835	HT765-150AIOM	10x54 Black	250

\*Media not loaded in mineral tank.

## Options:

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



## AIOC FILTER FOR HYDROGEN SULFIDE REDUCTION

Part #	Model	Resin Tanks Size & Colour	Weight (LBS)
--------	-------	---------------------------	--------------

### 89 Series 1" DownFlow

15551054	HT89-075AIOC	8x44 Black	110
15551061	HT89-100AIOC	9x48 Black	145
15551068	HT89-150AIOC	10x54 Black	250
15551075	HT89-200AIOC*	12x52 Black	355
15551079	HT89-300AIOC*	14x65 Natural	455

### 565 Series

15550747	HT765-075AIOC	8x44 Black	110
15550754	HT565-100AIOC	9x48 Black	145
15550761	HT565-150AIOC	10x54 Black	250

### 765 Series

15550842	HT765-075AIOC	8x44 Black	110
15550849	HT765-100AIOC	9x48 Black	145
15550856	HT765-150AIOC	10x54 Black	250

## AIOB BIRM IRON FILTER

### 89 Series 1" DownFlow

15551081	HT89-075AIOB	8x44 Black	110
15551088	HT89-100AIOB	9x48 Black	145
15551095	HT89-150AIOB	10x54 Black	250
15551102	HT89DF-200AIOB*	12x52 Black	355
15551106	HT89DF-300AIOB*	14x65 Natural	455

### 565 Series

15550768	HT565-075AIOB	8x44 Black	110
15550775	HT565-100AIOB	9x48 Black	145
15550782	HT565-150AIOB	10x54 Black	250

### 765 Series

15550869	HT765-075AIOB	8x44 Black	110
15550876	HT765-100AIOB	9x48 Black	145
15550883	HT765-150AIOB	10x54 Black	250



### 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



### 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

Your Local Water Treatment Professional

# Hydrotech®

TOLL-FREE 1-877-288-9888  
www.hydrotechwater.com

Regina, SK • Cambridge, ON • Whitestown, IN  
Houston, TX • Phoenix, AZ • Guadalajara, MX