

## **IMPRESSION®** **Iron & Sulphur Series Filters** *Stain and Odour Reduction*

**Impression®**  
SERIES

The *Impression® Iron and Sulphur Series Filters* are highly effective in preventing iron/manganese staining and removing sulphur odours commonly associated with problem well water. Their innovative design uses safe, catalytic medias in combination with an air charge chamber to oxidize and capture the elements that cause staining and odour. These filters are environmentally safe – no toxic chemicals like other systems. The result is simply refreshingly good water from every tap, every time.

- Solid-state microprocessor with push-button control
- Stores system configuration and operating data – even in the event of a power outage
- Fully adjustable regeneration cycle times.
- Modular design is extremely easy to service – no screws or bolts
- Environmentally safe – no chemicals
- Low operation cost

Our unique microprocessor-based control head monitors system performance, water consumption and more ...

- Days since last regeneration
- Gallons since last regeneration
- Reserve based on water usage over last 21 days
- Water flow rates
- Peak flow over last seven days
- Total days since start up
- Total regeneration since start up
- Program cycle times
- Program sequence of cycles

If the power fails all the settings and historical data will remain unchanged.



The *Impression Series* is easy to program – six levels of programming and display

- Homeowner/user screens
- Installer screens
- Factory softener or filter system setup screens
- Factory regeneration sequence screens
- Diagnostics screens
- Valve history screens

### **CUSTOMIZED TO:**

- Remove iron and manganese
- Remove sulphur
- Remove “rotten egg” smell
- Reduce turbidity

# IMPRESSION® Iron & Sulphur Series Filters

## Stain and Odour Reduction

The *Impression Iron and Sulphur Series Filters* are proven to effectively prevent stains and remove sulphur odours commonly found in well water everywhere. IM filters are often used in combination with other Impression water conditioners to provide a total water treatment solution.

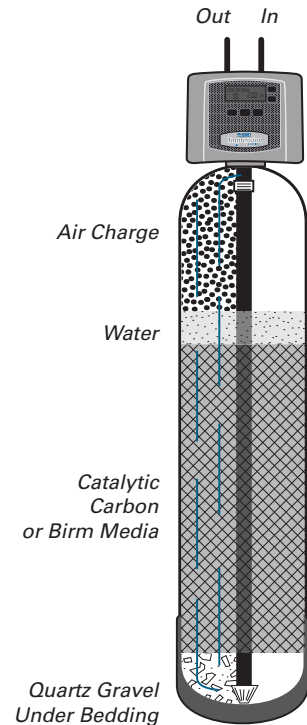
*Impression Iron and Sulphur Filters* also feature an advanced programmable controller that simplifies system operation while minimizing water usage. This microprocessor-based controller provides control over “cycle sequencing” – the various operations needed to effectively remove contaminants and thoroughly clean the filter media. This allows your system to be custom programmed to meet the needs of your specific well water.

### HOW DOES THE SYSTEM WORK?

#### *Impression Iron (BA Models) and Sulphur (CS Models) Filter Series*

Sulphur removal uses a catalytic carbon media bed which works in combination with an air charge chamber within the tank to oxidize and filter the elements that cause sulphur odours and other unpleasant ground water smells. For iron and/or manganese removal, BIRM media is used in combination with an air charge to oxidize and trap dissolved iron.

At the programmed time, these systems regenerate using ordinary water to backwash the system clean of sulphur, iron and other well water contaminants. All Impression filters are environmentally safe, eliminating the need for messy or toxic chemicals and feed pumps.



## SPECIFICATIONS

MODEL	AWPBFI-1054CS	AWPBFI-1248CS	AWPBFI-1354CS	AWPBFI-1054BA	AWPBFI-1248BA	AWPBFI-1354BA
Solves	sulphur & odour	sulphur & odour	sulphur & odour	iron & manganese	iron & manganese	iron & manganese
Mineral	Catalytic Carbon 0.03 m <sup>3</sup> (1.0 ft <sup>3</sup> )	Catalytic Carbon 0.04 m <sup>3</sup> (1.5 ft <sup>3</sup> )	Catalytic Carbon 0.06 m <sup>3</sup> (2.0 ft <sup>3</sup> )	Birm 0.03 m <sup>3</sup> (1.0 ft <sup>3</sup> )	Birm 0.04 m <sup>3</sup> (1.5 ft <sup>3</sup> )	Birm 0.06 m <sup>3</sup> (2.0 ft <sup>3</sup> )
Gravel Amount	9.5 kg (21 lbs)	12.7 kg (28 lbs)	12.7 kg (28 lbs)	9.5 kg (21 lbs)	12.7 kg (28 lbs)	12.7 kg (28 lbs)
Maximum Contaminant Level	5.0 ppm Sulphur	5.0 ppm Sulphur	5.0 ppm Sulphur	5.0 ppm Iron <sup>1</sup>	5.0 ppm Iron <sup>1</sup>	5.0 ppm Iron <sup>1</sup>
Continuous Flow	18.9 lpm (5.0 gpm)	22.7 lpm (6.0 gpm)	26.5 lpm (7 gpm)	18.9 lpm (5.0 gpm)	22.7 lpm (6.0 gpm)	26.5 lpm (7 gpm)
<sup>2</sup> Peak Flow	30.1 lpm (8 gpm)	34.1 lpm (9 gpm)	37.9 lpm (10 gpm)	30.1 lpm (8 gpm)	34.1 lpm (9 gpm)	37.9 lpm (10 gpm)
Backwash Flow	18.9 lpm (5.0 gpm)	30.1 lpm (8.0 gpm)	37.9 lpm (10 gpm)	18.9 lpm (5.0 gpm)	30.1 lpm (8.0 gpm)	37.9 lpm (10 gpm)
<b>DIMENSIONS</b>						
Total Dimensions (width x height)	25 cm x 157 cm (10" x 62")	30 cm x 142 cm (12" x 56")	33 cm x 157 cm (13" x 62")	25 cm x 157 cm (10" x 62")	30 cm x 142 cm (12" x 56")	33 cm x 157 cm (13" x 62")
Shipping Weight	35.3 kg (78 lbs)	49.4 kg (109 lbs)	59 kg (130 lbs)	40 kg (88 lbs)	67.1 kg (126 lbs)	69 kg (152 lbs)

<sup>1</sup>Iron removal may vary depending on form of iron, pH and local conditions. On waters that are pre-chlorinated or where other pre-oxidation occurs, an iron precipitate can form that is too small to be filtered.

<sup>2</sup>The peak flow rates listed above do not represent the maximum service flow rate used for determining the filter capacity and efficiency ratings.



245 Clair Rd. W, Guelph, Ontario, Canada N1L 1R1  
 t. (+1) 519.763.1032 • tf. 1.800.265.7246 (US and Canada only) • f. (+1) 519.763.5069  
 t. +31 73 623 8116 (Europe only) • e-mail: info@viqua.com www.viqua.com

