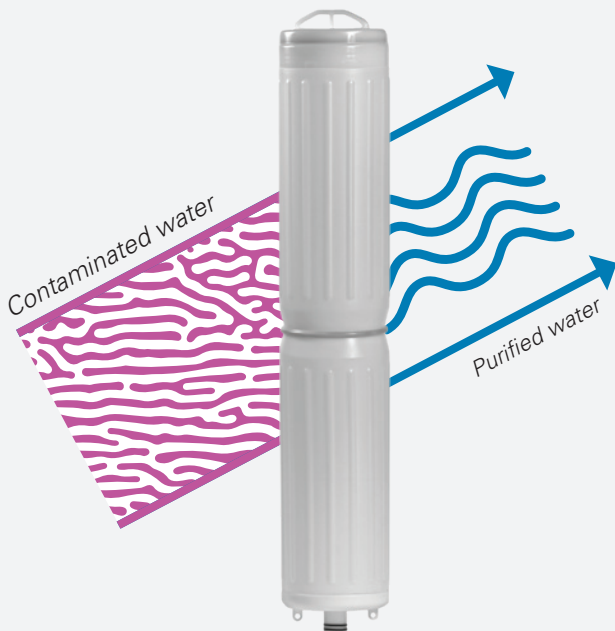




## ATOMUS® O26

**ENPRESS ATOMUS® O26**, a proprietary NSF/ANSI 61 -certified granular filtration media solution for the water treatment industry, is designed to simultaneously oxidize iron, manganese and hydrogen sulfide that could be present in water. This patented and proprietary chemistry features a microporous substructure that is infused with a powerful oxidizing agent, therefore increasing the catalytic surface and giving ATOMUS® O26 the highest oxidation rate and load capacity available with no required chemical regeneration. It delivers consistent performance across a wide range of operating conditions and is effective across a broad pH range (5.8–8.6).

The technology displays no decaying effect or loss of catalysis for up to 5–10 years of continuous performance. The media operates with a continuous injection of sodium hypochlorite at low residual levels (0.1 to 0.3 ppm). Additional oxidants such as hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>), chlorine dioxide (ClO<sub>2</sub>), or ozone can be used as long as a residual can be measured and maintained. With the use of chlorine during the filtration process, the media is kept free from bacterial biofouling and slime growth. ATOMUS® O26 can additionally remove phosphorus, nickel, zinc, lead, copper, aluminum, arsenic and other heavy metals.



### FEATURES

Catalytic oxidation of iron, manganese, hydrogen sulfide and other heavy metals

No decaying effects or loss of catalysis for up to 5–10 years of continuous service

Effective across a broad pH range (5.8–8.6)

Ozone, hydrogen peroxide, chlorine dioxide and sodium hypochlorite are approved oxidants as long as a residual can be measured and maintained (0.1 to 0.3 ppm)

Granular, backwashable media suitable for pressure vessels like Vortech®

NSF/ANSI 61 certified for drinking water use

No chemicals or regeneration needed; compatible with chlorine, oxygen, ozone and aeration systems

Available in 0.5 cu. ft. bags for ease of handling

Highly stable, permanently activated surface coating

### BENEFITS

Extended service life, high flow rates and capacity contaminant removal

Eliminates need for an air draw/backwashing control valve head, the use of salt, or other oxidation agents for regeneration

No control valve or backwashing needed with ENPRESS E3-REDOX™ system

Compatible with ENPRESS Vortech® and Mid-Vortech® technologies; full utilization of media bed and high flow rates

pH range greater than any other adsorption media (5.8–8.6)

Reduces operational complexity and chemical handling

Low pressure drop and short contact time requirements

Reliable performance in municipal/commercial/industrial systems

Simple integration into existing filtration designs

Cost-effective alternative to chemical oxidation systems

Imparts no odor, taste, or color to water

### APPLICATIONS

Residential	Food and beverage
Commercial/industrial	POE
Waste water	Process water
Small systems	Pre/post-filtration

**Additional applications:** Rental fleets, service DI exchange, rental programs, exchange systems, oxidizing agents, corrosive fluids, electronics, pre-RO, cooling towers, make-up water, polishing filters, primary filtration, wineries and juice processing, point-of-use, disaster relief, livestock and poultry, aquaculture, hospitals



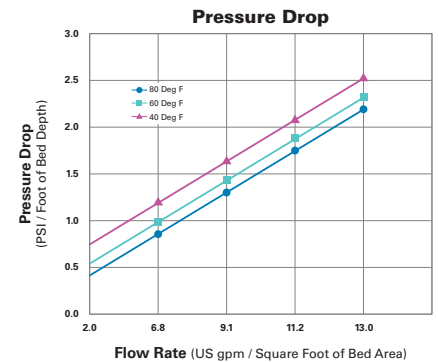
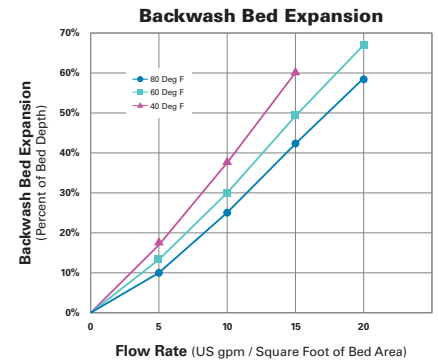
	<b>Physical Form</b>	Dry granular media
	<b>Appearance</b>	Brown to black in color
	<b>Adsorption Mechanism</b>	Hydrophobic
	<b>Bulk Density</b>	91 lbs/ft <sup>3</sup> (1.46 gr/m <sup>3</sup> )
	<b>Minimum Empty Bed Contact Time (EBCT)</b>	1–2 minutes
	<b>Surface Loading Rate</b>	2–8 gpm/ft <sup>2</sup>
	<b>Backwash Rate</b>	~12 gpm/ft <sup>2</sup>
	<b>Mesh Size</b>	0.3–0.65 mm (20 × 40 mesh)
	<b>Service Flow Rate</b>	2–13 gpm/ft <sup>2</sup>
	<b>Backwash Flow Rate</b>	10–16 gpm/ft <sup>3</sup>
	<b>Backwash Expansion</b>	20–50%
	<b>Porosity</b>	45.8%
	<b>Total Adsorptive Capacity</b>	~1 kg/m <sup>3</sup>
	<b>Minimum Bed Depth</b>	24"
	<b>Specific Gravity</b>	2.69 gr/cm <sup>3</sup>
	<b>Media Disposal</b>	Landfill
	<b>Additional Considerations</b>	Use with Vortech® tank solutions
	<b>Certifications</b>	NSF/ANSI Standard 61 Certified Materials

## BETTER FILTRATION THERE'S NO COMPETITION

ATOMUS® O26 is also available for use with ENPRESS Vortech® and Mid-Vortech® full-plate distributor plate tanks, an exclusive and patented technology that reduces backwash during a system cleaning cycle while increasing flow and operational efficiency.

### PART NUMBER

**R-ATOMUS-O26-05**



## WATER CHEMISTRY AND LIMITATIONS

ATOMUS® O26 outperforms competitive medias when one or more of the ideal water characteristics are exceeded in PIONEER OX radial flow cartridges.

<b>pH Range:</b> 5.8–8.6	<b>Salt (NaCl):</b> < 1000 ppm	<b>Manganese (Mn):</b> < 3 ppm
<b>Turbidity:</b> < 2 NTU	<b>TDS:</b> < 2000 ppm	<b>Calcium (CaCO<sub>3</sub>):</b> < 250 ppm
<b>Iron (Fe):</b> < 15 ppm	<b>Silica (SiO<sub>2</sub>):</b> < 70 ppm	<b>Ammonia (NH<sub>3</sub>):</b> < 1 ppm

*Optimum range of water chemistry for up to 15 years of continuous use.*

ENPRESS®, ONE®, ATOMUS®, VORTECH®, MID-VORTECH®, E3-REDOX™ and E3® are trademarks of ENPRESS, LLC. US and International patents, and patent pending. © ENPRESS LLC 2025 | ONE® is an ENPRESS Filtration Technology | 10/2025

ENPRESS, LLC. // 34899 Curtis Blvd., Eastlake Ohio 44095 // Phone: 866.859.9274 // Fax: 440.510.0202 // info@enpress.com

**For more information, visit  
enpress.com or onefiltration.com**

### NOTES:

- Water conditions outside of the above specified limits may lead to a shortened filtration life.
- Cartridges may contain a very small amount of fines. After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 10 minutes (at full service flow rate) prior to using water for drinking or cooking purposes.
- A ratio of 1:3 silica vs total hardness will maintain silica in solution and optimize performance for cartridge-based solutions.
- Performance claims are based on independent laboratory and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary.

**WARNING/CAUTION:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Protect against freezing to prevent cracking of the filter and water leakage.



**FILTER REPLACEMENT OPERATING INSTRUCTIONS:** New cartridges must be flushed for a minimum of 10 minutes prior to use. System and installation to comply with state and local laws and regulations.

The ATOMUS® O26 media is certified by WQA to NSF/ANSI 61 for Material Safety and NSF/ANSI 372 for Low Lead Content.