

CARTRIDGE TANK SYSTEM



SPECIALTY MEDIA CARTRIDGES FITS CTS-125 CARTRIDGE TANK™

Specialty Filtration Media Filter Cartridges

The CTS1-OX cartridge features ATOMUS® MD1, a proprietary filtration media specifically designed to simultaneously oxidize and adsorb organic and inorganic contaminants along with heavy metals that could be present in water. This unique oxidative media does not add residuals to the water stream or create harmful disinfectant byproducts. Unlike typical oxidation agents (ozone, chlorine, peroxide, etc) ATOMUS MD1 is a "solid state" oxidizing agent. Overall system simplification is paramount in the usage of the CTS-OX cartridge, eliminating an airdraw or standard control valve head, the use of salt, or oxidation agents for regeneration.

Features

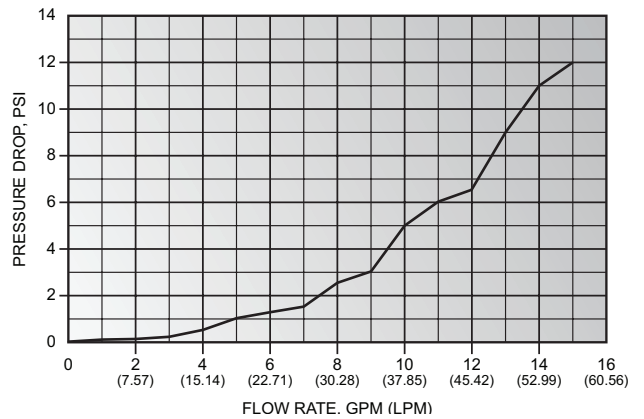
- For the reduction of sulfur, iron, manganese, color/tannins/organics and heavy metals from water
- Help to eliminate the orange and brown stains often found in sinks, toilets, tubs and other plumbing fixtures
- Reduces the possibility of damage to pipes and water heaters

Benefits

- Fast kinetics and empty bed contact time (EBCT) from 1 to 5 minutes, depending on the agent that requires oxidation
- Reduction of unwanted bad taste and odor from potable drinking water

Applications

- Residential, food service, rental fleets, commercial, and industrial applications
- Make-up water, RO prefiltration, cooling towers, chill water loops, metal finishing
- Process water (turbidity, particulate, colloidal suspensions)



Water Chemistry and Limitations

Color/Tannin: < 50 color units
 Iron, Ferrous: ≤ 3 ppm
 H₂S: ≤ 10 ppm
 Manganese: ≤ 2 ppm
 Alkalinity: < 120 ppm
 pH Range: 5.5 to 9.5
 Hardness: < 140 ppm (8 gpg)
 Temperature: 41 to 140°F (5 to 60°C)
 Flow Rates: ≤ 15 gpm (56.8 lpm)

FOR BEST RESULTS:
 Use with pre- and postfiltration product solutions, including pleated filters (orange/yellow series) and carbon blocks (blue series).

The ATOMUS MD1 media inside this system is Certified by IAPMO R&T to NSF/ANSI 61 for Material Safety and NSF/ANSI 372 for Low Lead Content.

Specialty Media Filter Cartridges — FOR USE WITH CTS-125 CARTRIDGE TANKS

Part Number	Usage	Series	Material	Flow Rate Max.		Design	Type of Filtration
				GPM	LPM		
CTS1-OX	Organics, Inorganics, Heavy Metals	Magenta	Filtration Media	15	56.8	Radial Flow	Oxidation and Adsorption

Performance claims are based on independent lab results and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rate, system design, and application. Results may vary. Micron ratings are based on 85% or greater removal of a given particle size. Flush new cartridges until water runs clear prior to use. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.