

# Fluoride Feed System

For the past 70 years, active fluoridation of public potable drinking water systems has provided protection against tooth decay in the United States. Today, the nearly 75% of Americans served by public water systems are provided with significantly improved oral health through fluoridation.<sup>1</sup>

Integrity Municipal Systems' (IMS) Fluoride Feed System makes potable water fluoridation safer, more effective, and less costly to operate than any other packaged fluoridation products. The IMS design – which includes an up-flow saturator and a separate solution storage tank – sets the IMS Fluoride Feed System apart from the competition. Water is introduced and distributed at the bottom of the up-flow saturator and passes through the sodium fluoride salt resulting in a saturated sodium fluoride solution at the top. This solution passes through an overflow to the separate solution storage tank and is then metered from there to an injection point.

The IMS Fluoride Feed System is a completely packaged system, enabling low-cost, simple plug- and-play installation. The IMS Fluoride Feed System's proven up-flow saturator and separate solution storage tank design is easier to operate and requires less maintenance than downflow saturators. The entire system is fully contained within a fiberglass-reinforced plastic structure. This secondary containment supplemented with a high-water alarm eliminates the need for separate system containment. Finally, the IMS Fluoride Feed System's chemical metering pump can integrate with facility SCADA control and operation.



The IMS Fluoride Feed System is backed by IMS' technical support and enhanced parts and service delivery system.

<sup>1</sup> United States Department of Human Health Services press release, April 27, 2015. <http://www.hhs.gov/news/press/2015pres/04/20150427a.html>

"The IMS fluoride unit is compact and reliable, with everything we need for fluoride injection. It has proven itself the superior choice for maintaining the safety of our employees over other methods of fluoridation."

- Victor Seanez, Production Foreman

## IMS Fluoride Feed System

- **Completely Packaged System** – factory plumbed, wired, assembled, and tested
- **Plug-and-Play Installation** – compact, known footprint and input requirements
- **Up-flow Saturator and Solution Storage Tank** – reduces plugging of metering pump, cleaning requirements, and maintenance
- **Fully-Contained** – the entire packaged system resides in a secondary, alarmed containment vessel.



Park Water Company, CA



Sacramento, CA-I



Liberty, MO



Golden State Water, CA-I



Golden State Water, CA-II



Grand Prairie Bayou, AR-II



Sacramento, CA-II



Sacramento, CA-III



Roseville, CA



Sacramento, CA-IV

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