

Integrity Municipal Systems (IMS) is a specialty engineering company devoted to the design and supply of innovative, pre-assembled, process solutions for the water and wastewater industry. With over 25 years of systems engineering innovation and project execution, the IMS team has the knowledge and dedication to tackle your odor control and chemical feed needs. IMS has achieved a reputation for producing unique, practical, and cost-effective solutions for our customers. We are committed to providing quality, service, and overall value that exceed your expectations.

Lime Slaker Systems (A-758 & A-758 Plus)



The A-758 and A-758 Plus IMS Lime Slaker Systems provide continuous high volume lime slurries (up to 8,000 lbs/hour) for industrial and municipal process pH adjustment, flocculation, and chemical reaction. The superior paste-type slaking technology consistently produces a higher strength and more reactive lime slurry resulting in more efficient and more economical use of the quicklime. Systems are factory assembled and tested for quick and easy installation, and include options for lime feed and grit removal.

Lime Slaker Feeders



Series 31-165 Gravimetric Feeder



Series 32-215 Volumetric Feeder



Series 32-300 Volumetric Feeder

Chemical Feed Systems

IMS chemical feed systems are pre-assembled, fully-functional chemical delivery systems for water treatment applications. These compact, user-friendly chemical skids include local storage tanks, full secondary containment, dosing pumps, instrumentation and controls. Systems are piped and wired at the factory for easy and quick hook-up.



Fluoride Feed System

IMS Fluoride Feed Systems use sodium fluoride for community water fluoridation. They are designed with separate saturator and solution tanks, unlike conventional methods, to assure complete saturation, high reliability, low maintenance and ease of use.



Aqueous Ammonia Feed System

IMS packaged Aqueous Ammonia Feed Systems are used in the formation of chloramines for disinfection. The system includes a heavy-duty pressure rated aqueous ammonia storage tank, integral ammonia fume scrubber, peristaltic dosing pump, instrumentation and controls in a fully contained, pre-assembled skid. Optional enclosure, shown right, is ideal for outdoor or remote locations. The FRP shelter houses the equipment in an air conditioned environment and comes complete with lighting, ventilation fan, and breaker panel.



Odor Control Systems

Standardized, pre-engineered, factory assembled odor control systems for treating odors at sewage pump stations and wastewater treatment plants. Systems are simple to install, reducing installed cost and delivery time.



Biological Odor Control Systems

The I-BOx™ Biological Odor Control System (Patent Pending) uses a two-stage process with a biological stage to remove 99% of the hydrogen sulfide (H₂S), followed by an activated carbon polishing stage to remove residual H₂S and organic odors. Standard models are available to treat up to 5,000 cfm (8,500 m³/h) of odorous air.

Carbon Odor Control Systems

The carbon adsorber odor control systems consist of an exhaust fan, damper, interconnecting ductwork, vessel with activated carbon (3 ft. bed) and a control panel. The carbon odor control systems are designed to work with a wide selection of media: virgin activated carbon for low odor level, and high capacity carbon for higher H₂S concentrations.



MCS Carbon Odor Control System

- Standard models are available to treat up to 1,400 cfm (2400 m³/h) of odorous air in a single carbon stage.



BCS Carbon Odor Control System

- Standard models treat up to 6,800 cfm (11600 m³/h) in a single carbon stage and up to 20,000 cfm (34000 m³/h) in a dual carbon bed system.

Emergency Chlorine Scrubbers

IMS wet emergency chlorine scrubber systems contain and treat accidental releases of chlorine gas, limiting the atmospheric release of chlorine to less than 1 ppm. The compact scrubber systems are factory pre-assembled, piped, wired and tested, with a low profile suitable for either indoor or outdoor installation. The system design surpasses the requirements of the Uniform Fire Code.



EVS-150

This multi-stage wet scrubber system treats chlorine vapors from a bank of 150lb (70kg) chlorine cylinders, at leak rates of 28 lbs/min or more.



EVS-2000

This multi-stage wet scrubber system treats up to 3-Ton of chlorine vapor, at leak rates of 100 lbs/min or more.

EVS-2000C

The EVS-2000C emergency chlorine scrubber is a multi-stage wet scrubber system designed to treat up to 1-Ton of chlorine vapor, at leak rates of 100 lbs/min or more.