

IMS Provides Modular Ammonium Sulfate Upflow Saturator and Feed Systems for Water Processes (Pre-Assembled, Piped, Wired, and Factory Tested)

**LIQUID AMMONIUM SULFATE
FEED SYSTEM**

- Superior upflow saturator design
- Compact, fully-contained system
- Automatic saturator operation
- Integrated control panel



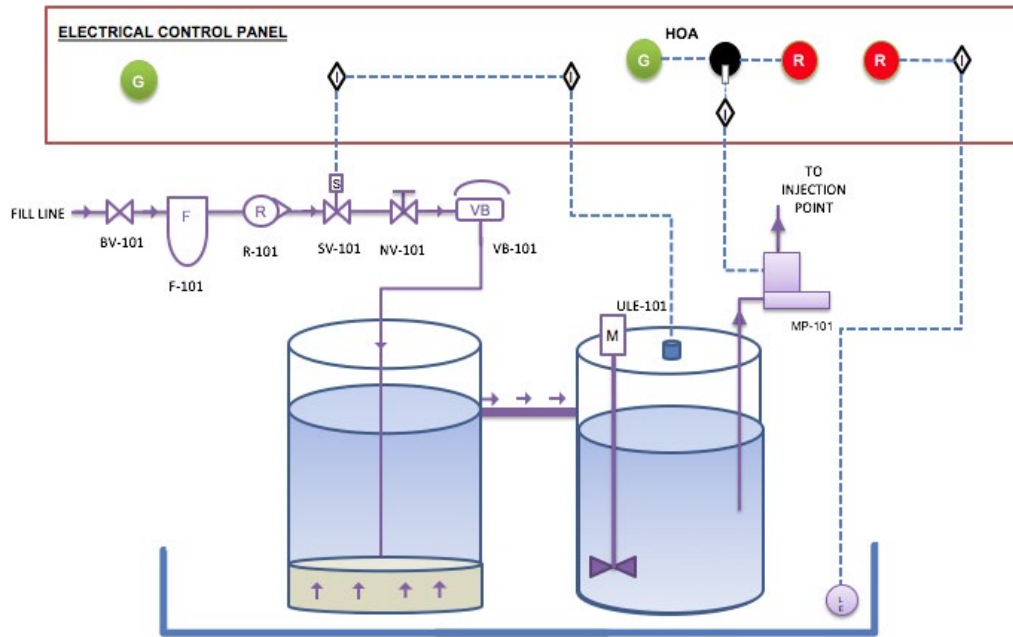
**MODULAR LIQUID AMMONIUM SULFATE
FEED SYSTEM WITH ENCLOSURE**

- Ideal for outdoor and remote locations
- FRP shelter houses equipment in weatherproof enclosure
- Complete with lighting, ventilation fan, breaker panel

Liquid Ammonium Sulfate (LAS) use is increasing as an alternative to aqueous ammonia. Unlike aqueous ammonia, LAS has an indefinite storage life, it is odorless and non-toxic.

IMS' two-tank upflow saturator and feed system technology can reliably and economically produce liquid ammonium sulfate solution from solid ammonium sulfate.

PROCESS AND INSTRUMENTATION DIAGRAM



SYSTEM FEATURES

SYSTEM BENEFITS

Superior Upflow Saturator Design

- Ensures complete saturation, high degree of reliability, and very low maintenance requirements

Separate Saturator and Solution Tanks

- Reduces or eliminates suspended solids in the solution tank and prevents dosing pump from plugging

Modular, Pre-assembled, Factory Piped, Wired, and Tested System with Compact Design (5.5'L x 5.75'H x 2.5'W)

- Very short installation time and low installation cost
- Reduces capital investment because of easy relocation, if desired
- Requires small footprint for installation
- Factory tested before delivery, significantly reducing system start-up time (~2 hrs)

Optional Skid-Mounted Equipment Enclosures Available

- Ideal for outdoor and remote locations
- FRP shelter houses equipment in weatherproof enclosure to protect from outdoor environment
- Complete with lighting, ventilation fan, breaker panel

Custom Designed System

- Meets site specific requirement and provides desired features

Fully Contained System

- Eliminates any risk of liquid ammonium sulfate solution entering floor drains

Saturator Automatic Operation

- Level controls are pre-set to allow smooth saturator operation

Integrated Control Panel

- Single point of connection by installer