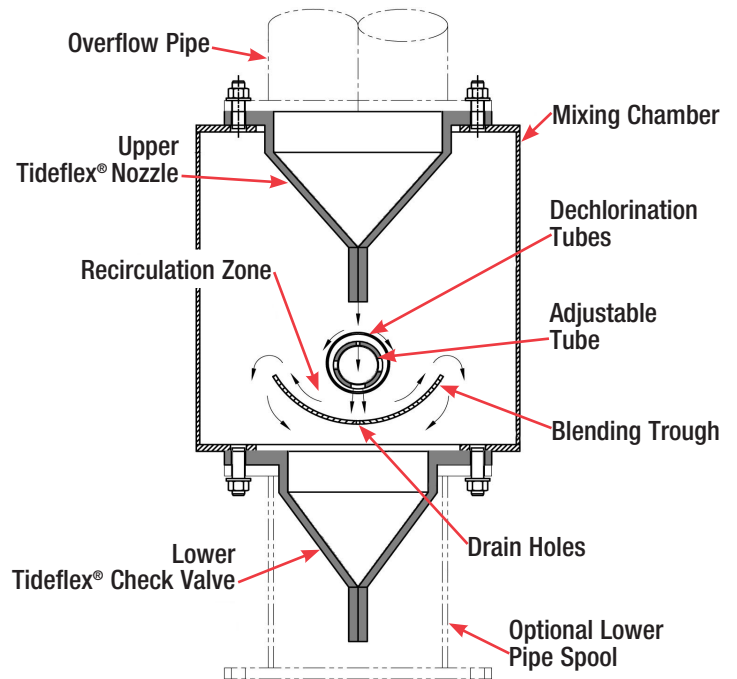


Dechlorinating Overflow Security Assembly (DOSA) Innovative System For Water Tank Overflow and Drain Pipes

Discharging chlorinated water from storage tank overflows and drain pipes onto land or into a stormwater system can be toxic and severely harmful to plant and aquatic life. In order to address environmental concerns and potential regulatory penalties, Tideflex® Engineers have created an overflow pipe assembly that prevents bird/rodent intrusion, increases tank security, and also removes chlorine residual during overflow and drain discharges. The Dechlorinating Overflow Security Assembly, or DOSA, is constructed of dual Tideflex® Nozzles and an internal adjustable dechlorination tube completely enclosed in an epoxy-coated steel body.



DOSA Features and Benefits:

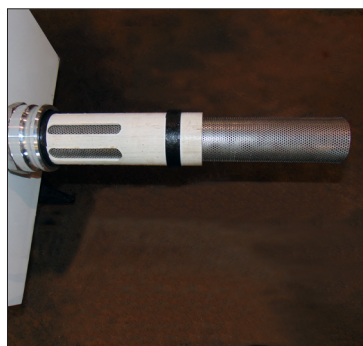
- Completely removes chlorine residuals during overflow events.
- Non-clogging.
- Adjustable internal tube maximizes removal efficiency and minimizes tablet erosion.
- Fast and slow dissolving dechlorination tablets available for increased adjustability.
- Dual Tideflex® Nozzles provide security against potential malicious intent to tank.
- Dual Tideflex® Nozzles provide favorable internal climate to preserve life of dechlorination tablets.
- Keeps water system compliant with existing or forthcoming discharge regulations.
- Prevents birds, rodents and cold air from entering tank.
- Low headloss.
- Overflow hydraulic analysis available.
- Available with lower flanged pipe spool.
- Sizes 2"-24", larger sizes available.
- Installed in vertical, horizontal and sloped pipes.
- Will not freeze in cold weather.
- Optional sensor available to signal overflow event.
- Optional sensor available to signal tablets need replaced.



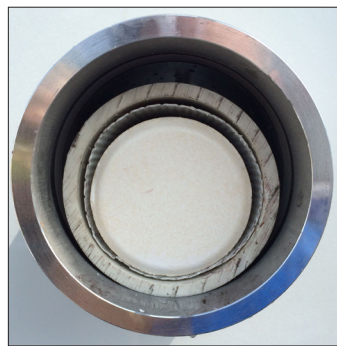
The DOSA Assembly During Testing
(Transparent Side for Illustration Only)

Dechlorinating Overflow Security Assembly (DOSA) Innovative System For Water Tank Overflow and Drain Pipes

During an overflow event, the upper Tideflex® Nozzle discharges an elliptically-shaped jet down onto the dechlorination tube. A calculated portion of the water passes through the tubes, making contact with the dechlorination tablets. The rest of the water deflects around the tubes. Both then combine in the blending trough to ensure all water has been thoroughly mixed and dechlorinated prior to discharging out of the DOSA through the lower Tideflex® Check Valve.



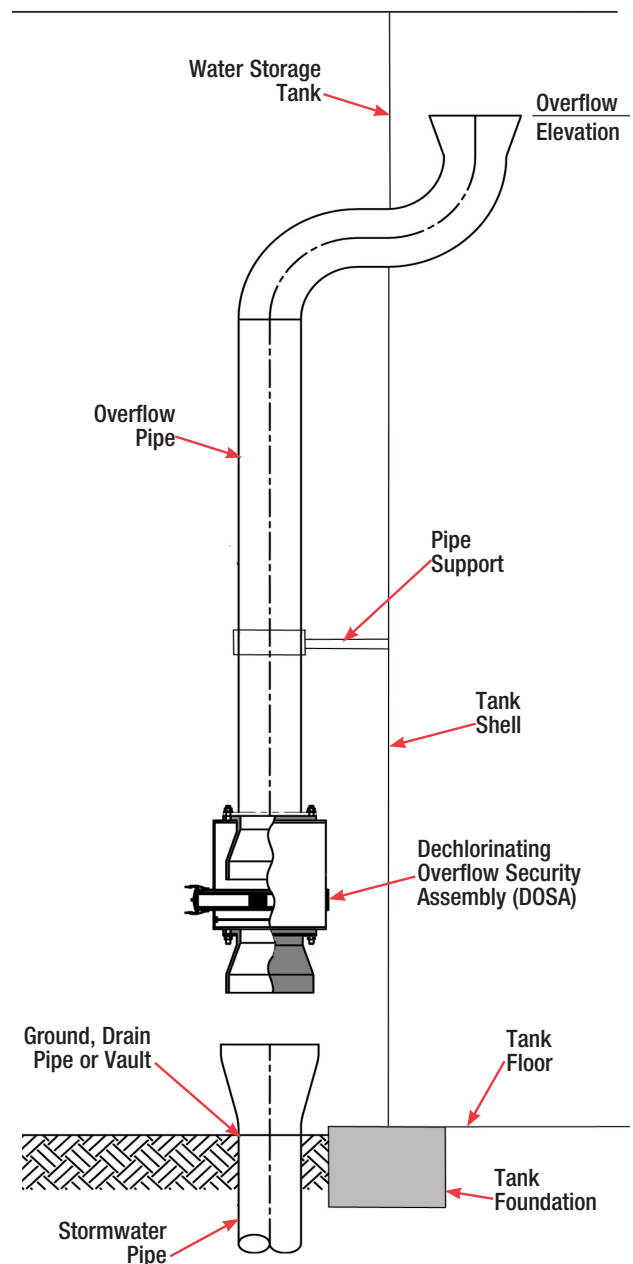
Perforated Screen and Adjustable Internal Tubes



Adjustable Internal Tubes with Dechlorination Tablets Installed



Finished Assembly



U.S. Patent No. 10,538,438
Canadian Patent No. 2,934,752