

AMBIENT “95 Hi C” SYSTEM

Our Ambient BTEX emission system is made with all stainless steel, ASME stamped heat exchangers, completely manufactured and tested in-house. The unit uses the natural environment to condense BTEX exhaust within its array of finned tubes. Its function is dependent upon the surrounding environment and temperature. These systems function best in cool to warm, windy regions and do not require electric supply. Regeneration capability ranges from 200,000 - 3.5MM BTU/hr. 95% VOC destruction is claimed through SpiralX combustors paired with a **PROFIRE** burner management system. There are SIX major reasons end-users prefer this design.

1. SpiralX ambient systems use a 24” diameter stainless separator tank, complete with removable demister pad. Inferior systems use a 4” diameter separator, which often is not large enough to get good separation between the condensable and the BTEX gases, thus creating a fire hazard.
2. 35 GPM rated diaphragm pumps are used to move condensate as opposed to 4 GPM blow cases. This provides added protection in upset conditions.
3. SpiralX ambient systems come with an on or off skid combustor to destroy the BTEX gases as opposed to the dangerous practice of pushing those gases back into the dehy burner.
4. SpiralX ambient systems have modular design for multiple regen capabilities and are removable for easy cleaning and maintenance. Inferior models weld the tube bundles to the system structure and cannot be removed.
5. SpiralX is the only BTEX solutions company that features Profire burner management systems to accurately monitor the pilot flame and control the bypass.
6. Each tube bundle is covered with a hail guard protecting the heat exchanger fins. Inferior models expose the fins to hail, guaranteeing damage.



Features:

- Single pass condensing system.
- High level shut down system to prevent condensate from entering next stage of BTEX removal.
- Oversized heat exchangers as compared to inferior designs.
- Hail guards placed over finned tubes to protect against the environment.
- Optional sheet metal enclosure and/or heat trace for cold weather protection.
- Rated for Class I, Div. II, Group D environments.