
Products

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About Us

VOC Concentrator "PURO-SAVE"

About VOC concentrator

VOC concentrator can effectively purify and concentrate VOCs (Volatile Organic Compounds) being contained in the exhausted stream from industrial factories. By being combined with incinerator or solvent recovery equipment, both initial and operating costs of the entire VOC abatement system can be drastically diminished.

Function of the VOC concentrator

- **Purification**

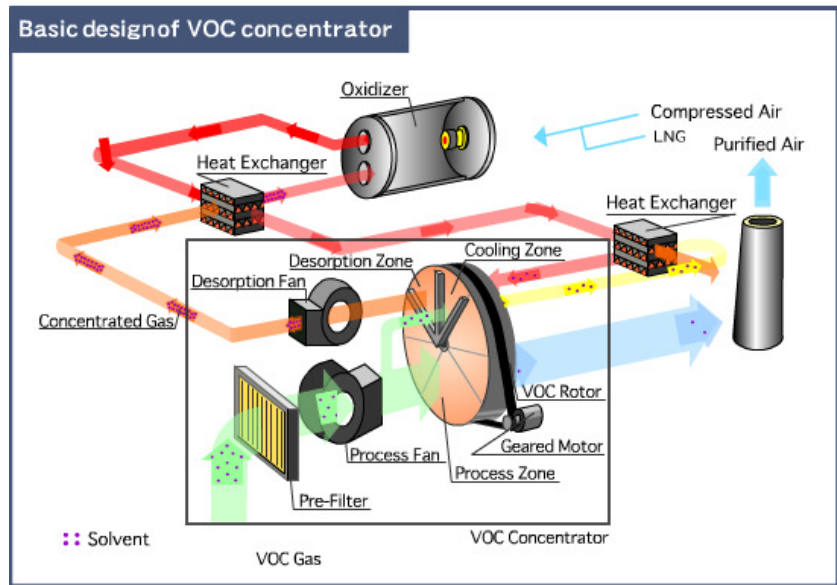
The laden VOC(s) in the exhaust stream is purified by zeolite or other adsorbent while passing through the rotor and the purified air stream is vented into the atmosphere.

- **Concentration**

The laden VOC(s) in the exhaust air stream is adsorbed in the process zone and desorbed in the desorption zone by heated desorption air stream with much less air volume than that of process air stream. The concentration of VOC is concentrated nearly equal to the air volume ratio(5~15) of process and desorption (QP/QD).

Applications of the concentrator

- EPainting booth (Automobile, Airplane, Furniture, etc.)
- EPrinting
- ESemi-conductor(DRAM/LCD/etc)



VOC concentrator PURO-SAVE consists of a VOC rotor, a rotor driving device, a rotor casing with a set of seal, a pair of chamber(front/rear) with a zone partition wall, and a desorption heater.

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