

탄화수소가스회수장치 (HC-VRU)



Process

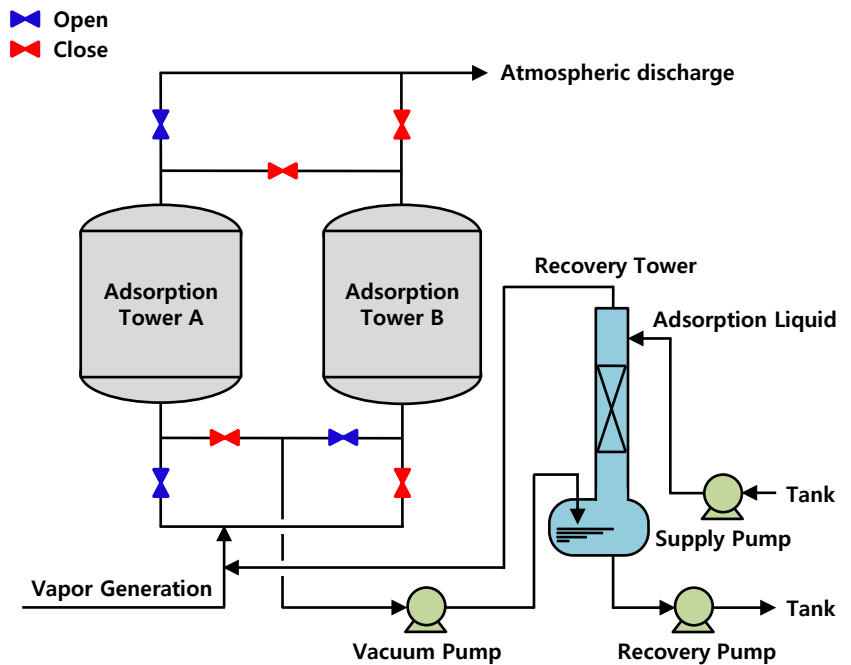
- Adsorption system : by PTSA method
- Operation temp. : 80°C or less
- Operation press : Atmos. ~ 3.3kpaA (25Torr)
- Recovery system by liquid scrubbing by co-liquid

제품개요

본 장치는 석유 화학공장, 제유소 및 저유소 등에서의 입·출하와 제품제조 시에 발생하는 탄화수소 가스의 흡착 회수를 통한 대기오염 방지가 가능합니다.

가솔린 및 나프타 비롯한 각종 유기용제로부터 발생하는 모든 탄화수소 가스에 적용 가능합니다.

제품구성



제품특징

- ▶ 안전성
 - 불연성의 소수성 흡착제를 사용하고, 탈착시 열원을 사용하지 않으므로 인화와 폭발 등의 위험이 없음
- ▶ 회수율
 - 국내 및 EPA 기준 적용 (USA의 환경보호국)
 - 배출가스 농도 1vol% 이하
 - 회수율 99% 이상
- ▶ 건식운전
 - 탈착 공정시 스팀을 사용하지 않으므로 스팀 응축에 따른 폐수 처리가 필요 없음
- ▶ 상압운전
 - 상압흡착, 감압탈착 운전



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Vapor Recovery Unit for Gas Vapor of Hydrocarbon

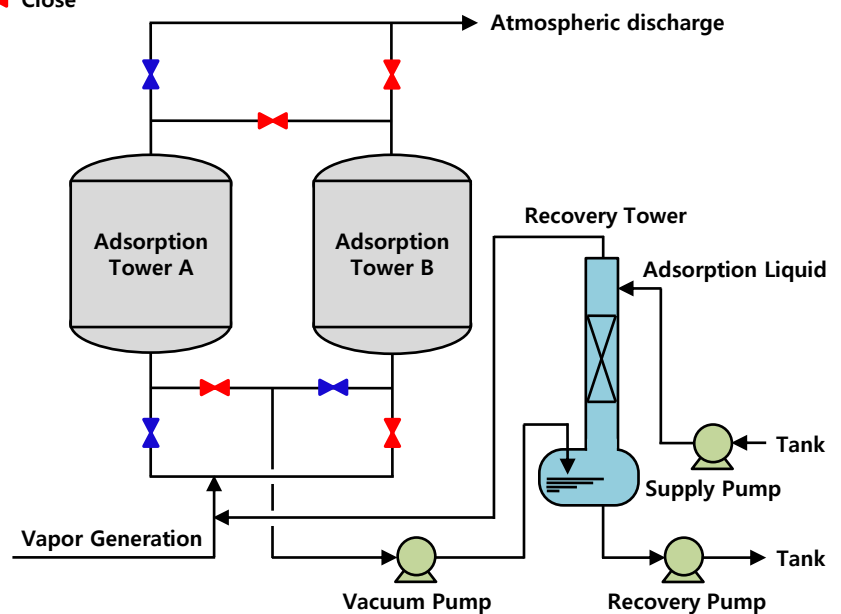


Overview

Hydrocarbon vapor is generated and dispersed during loading/unloading and shipping of products as well as plant operation at Oil terminals, Refineries, Petrochemical factories etc. This unit is applicable and capable to recover vapor emitted from these factories, such as gasoline, naphtha and solvent in order to keep clean environment while saving costs.

Figures

Open
 Close



Process

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Features

- ▶ **Safety during operation**
 - We adopt incombustible hydrophobic adsorption materials and connect with no thermal source. Therefore it is definitely safety.
- ▶ **High efficiency rate to recover**
 - Discharge gas contents : 1vol. % of less
 - Amazing recovery rate : 90% of more
- ▶ **Wet Free(Dry) operation**
 - This unit requires no steam, therefore, no need of counter measures for condensed water treatment.
- ▶ **Normal pressure operation**
 - Adsorption is done at atmospheric pressure and recovery process is done at decompress condition.



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